

Brihanmumbai Municipal Corporation

CITY ENGINEER'S AND CHIEF ENGINEER'S DEPARTMENT (BM+HIC)



VOLUME-I

UNIFIED SCHEDULE OF RATES FOR
COMMON AND BUILDING CONSTRUCTION WORKS

2023

PREFACE

Ever since establishment of Bombay Municipal Corporation (now Brihanmumbai Municipal Corporation) in 1888 by the erstwhile British rulers in India , in the last 125 years of the history of its existence B.M.C. has catered to every aspect of the citizen of Mumbai that can be conceived of. Look to heritage buildings like Victoria Terminus (Chhatrapati Shivaji Terminus), Office of Municipal Corporation, Dadabai Naoroji Road, Dr. Babasaheb Ambedkar Road, Marine Drive (Netaji Subhash Road), Prince of Wales Museum, Gateway of India, Malabar Hill Reservoir, Nair Hospital, Lokmanya Tilak Hospital, K.E.M. Hospital etc which are the service centers for the citizens. Municipal Services have also been provided in the suburban and extended suburban areas merged in 1950 & 1957 respectively. The obligatory duties are performed well but still there is need to improve in quantity and quality of services to be provided to the citizens.

Ethical governance and righteous work culture will certainly bring positive changes in design and implementation of projects. One may take an example of the first Municipal Head Quarter Building, that was completed in year 1893, in four years, designed by F W Stevens and the execution part was dealt by Project Engineer Shri RaoSaheb Sitaram Khanderrao Vaidya, who executed the project of 77.70m high structure and saved Rs.68,000/- as against estimated cost of Rs. 11.80 Lakhs.

The need is to work with precision and accuracy. There shall be harmony between planning and execution so as to evolve best economics with focused goals.

B.M.C. is one of the largest local self government in the Asian Continent. In observance of historic traditions of strong civic activism, with the change in time and living conditions to match with the urbanization, B.M.C. has focused in providing variety of engineering services viz, storm water drain, sewerage, water supply, roads, bridges, solid waste management, environmental services. Beside this, the Corporation is also providing dedicated services in the Health sector by establishing Major and Peripheral hospitals.

To update and modernize the mechanism being used for working on related projects from the stage of conceptualization to execution, the need was realized to revise prevailing "Schedule Of Rates" along with specifications which were in operation with various departments and being prepared individually as per their need and revised at different span of time, resulting into various anomalies. To overcome



all these, it was essential to revise the schedule of rates, not only with simple mechanized revision but incorporating major changes to keep up with the pace of urbanization, civilization, construction techniques / mechanization and voluminous developments by restructuring items in the schedule to cover all requirements. This exercise would provide comfort with designs and field necessities and will assist in effective checks on creation of extra items during execution.

A conscious decision has been taken to prepare Unified Schedule of Rates to keep pace with the changing time; a first step forward in this direction. Since long time, there have been demands made by the stake holders like Municipal Engineers and Contractors to remove non-uniformity, anomalies and discrepancies in various schedules of rates for work contracts of various departments of B.M.C. Every department had its own expertise and way of functioning which got reflected in its independent schedule of rates, which however, had no linkage with the fair market rates and schedules of other departments, resulting into extra items and fair rates. In place of earlier 10 Schedule Of Rates, the Unified Schedule of Rates is an effort and seeks to rectify the defects, discrepancies and non uniformities which will provide ease and accuracy of estimation to the Engineers.

The Unified Scheduled of Rates is linked with its comprehensive specifications of basic important activities so as to have clarity in execution. These specifications follow a chronology of general scope of the item, material required, processing of material, construction operation, finishing and mode of measurement. Rigid Standard Operating Procedures (S.O.Ps) and complete control on processes will certainly satisfy quality parameter. The need for checking the quality of construction is quite apparent and shall be ensured throughout the construction process. To achieve this, the Unified Scheduled of Rates incorporates quality assurance procedures.

All the rates are also linked to their detailed specifications and wherever required, with drawings. Though there are about 2,431 items in SOR-2023 of City Engineer and Chief Engineer (B.M.+ H.I.C.), every item is now given a Unique Code No. which will eliminate the repetition.

It has been our endeavour to include all the necessary modern materials and technologies in Unified Schedule of Rates, for example, the concept of green building, which will go a long way to have control on creation of extra items and fair rates. A salient feature of this Unified Schedule of Rates is 'Starring of items' specified categorically which can be used only at certain works or locations.



Another salient feature is 'Dynamic Rate System' which will be based on study of data base of quantities and bidding prices of awarded contracts on the basis of which necessary corrections can be applied to the Unified Schedule of Rates at specified intervals. Accordingly B.M.C. had finalized Unified Schedule of Rates and same were uploaded in October 2013.

The central government has enacted the law of Goods and Services Tax and issued the directive to implement the goods and services tax with effect from 1st July 2017. With G.S.T. coming into effect force, Octroi, VAT, etc. were abolished and one single tax structure came into effect. The Unified schedule of Rates of B.M.C. has been revised with the help of M/s Tata consulting Engineers by taking due cognizance of G.S.T. However during current revision GST is excluded and all rates are exclusive of GST.

Highlights of the Revised Schedule:

- The items in schedule of rates are linked to the rate analysis and further the rate analysis is linked to basic material rates, labour rates and machinery rates.
- Also, various items are linked to their comprehensive specifications of basic important activities and drawings so as to have clarity in execution.
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- The new rate analysis format in excel, has been formulated separately showing the taxes applicable, in order to have clear understanding of the taxes levied on material, machinery, labour etc.
- Further revisions in U.S.O.R. shall become a simple process due to the current rate analysis format.
- All these items are provided with technical specifications, in fixed chronology with unified code for each item with linkages for rate analysis and specifications
- This will also assist in minimizing and to have effective checks on creation of extra items.
- This complete exercise is certainly going to facilitate Engineers working in the office for the estimation as well as in execution.



- A new nomenclature with the prefix R3 has been adopted to highlight the revision of schedule.

I am sure that Revised 'Unified Scheduled of Rates' will be a useful in civic governance by B.M.C. This publication shall be of great help and guidance to the officers engaged in the project work of B.M.C.

-sd/-

Ch.Eng.(B.M.)

-sd/-

Dir.(ES&P)



GENERAL NOTES

A. COMMON GENERAL NOTES

1. The schedule of rates will be operative from 01/02/2023
2. The unified schedule of rates includes following department:
 - i. Buildings
 - ii. Water Supply Projects
 - iii. Hydraulic Engineering
 - iv. Sewerage Projects
 - v. Storm Water Drainage
 - vi. Roads
 - vii. Bridges
 - viii. Traffic and Signals
 - ix. Mechanical and Electrical
 - x. Garden Works
3. Volume-I contains USR, basic rate list and approved makes and Volume-II contains specification along with drawings wherever necessary and mandatory tests.
4. The specification of the items shall be as per latest Indian Standard Codes unless otherwise specified.
5. The rates of the items in this schedule of rates are worked out assuming average lead for Greater Mumbai area for all sorts of materials.
6. The rates are inclusive of transportation, duties, taxes and charges of all Government, Municipal or any other statutory body, applicable from time to time but exclusive of Works Contract Tax and Labour Cess levied by Government of Maharashtra.
7. The rates also includes Overheads @ 5% and Contractor's Profit @10% which is inclusive of labour supervision charges, tools and plants.
8. Rates of common material and labour is attached in the Annexure-A in Volume-I.

9. The building Schedule of Rates 2023 includes the existing items of FMA, FMB 2009, USOR 2013, USOR 2018, Retrofitting works item with deletion of obsolete items, merger of similar items Fair items for HIC and value addition of new items in line with modern technology and trends in accordance with latest rules, regulation, byelaws etc.
10. As per the Government policy the use fly ash is done for framing the items of work in accordance with the latest provisions of IS Codes. Also green building items have been introduced in new schedule to minimize the consumption of energy during construction and occupancy of building and also maintaining ecological balance.
11. From safety, health and environment point of view two legged steel tubular scaffolding shall be used, without making any holes in the outer face of the building or any structure. And no extra payment shall be made for works like scaffolding, centering for any height unless otherwise specified.
12. All materials shall be as per approved list of BMC or equivalent material having quality standards as per relevant IS codes and shall be of first quality unless otherwise specified.
13. Following basic rates are considered in the USR:
 - i. Cement : Rs. 5,600/ MT
 - ii. Mild Steel : Rs. 75,000/ MT
 - iii. HYSD Steel (Fe415) : Rs. 52,800/ MT
 - iv. T.M.T. (Fe500) : Rs. 50,900/ MT
 - v. Structural Steel : Rs. 56,652/ MT
14. Rates given in SOR are for estimation purpose. The rates should be finalized with the items uploaded on SAP System.
15. Rates of items and specification for excavation, concrete, plaster and brickwork shall be referred from common schedule unless and otherwise not mentioned in concerned department's schedule.

For Earthwork:

16. Lead will be admissible only within BMC limits. The distance between centerlines shall be taken as the lead which shall be measured by the shortest route on the plan and not the actual route taken by the Contractor. Here

Centerlines represents the center point (for area/mass excavation) and the center chainage for linear excavation.

17. The Engineer In Charge shall exclusively include these directions in the Tender/Bid document and the Tenders/Bidders shall be insisted to make the declaration of the dumping plot at the time of submission of Bid.
18. The Engineer In Charge shall take the quantity in account for the disposal only upto Municipal Limits for the Shortest Route and payment will be made as per the actual distance within municipal limit. The payment will be restricted to the shortest distance upto the Municipal limit for the plot identified outside the Municipal limit.

For Lift:

19. For the depth beyond 1.5 meter, the excavated quantity shall be worked out with the base rate plus the rate of respective slab of the lift. This is elaborated as below:

If total depth of excavation is 6 meter, wherein for first 4.5 meter soft soil is there and beyond it hard rock is available, then estimate shall be worked out as follows:

Assumed dimension 1 meter x 1 meter x 6 meter

Upto 4.5 meter depth, amount shall be calculated as:

$(1 \times 1 \times 4.5) \text{ Cu.M} \times \text{Rs. } 220 \text{ (Item no. CS-EW-1)} +$

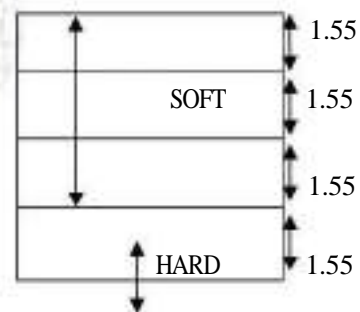
$(1 \times 1 \times 1.5) \text{ Cu.M} \times \text{Rs. } 48 \text{ (Item no. CS-EW-2-a)} +$

$(1 \times 1 \times 1.5) \text{ Cu.M} \times \text{Rs. } 71 \text{ (Item no. CS-EW-2-b)}$

For next hard strata excavation (4.5 - 6.0 meter), amount shall be calculated as:

$(1 \times 1 \times 1.5) \text{ Cu.M} \times \text{Rs. } 873 \text{ (Item no. CS-EW-4)} +$

$(1 \times 1 \times 1.5) \text{ Cu.M} \times \text{Rs. } 220 \text{ (Item no CS-EW-7-c)}$



20. Coding of items:

- The Coding procedure for Basic master material is as follows:
 - Code will start with the common prefix of “MA” which stands for materials

- Followed by Abbreviation code for each schedule of rate for eg B.M. for Building works, SP for Sewerage, WSP for water supply and so on and so forth.
 - The first item category in the list will be numbered as “1”
 - The last part of the code will be a number starting with “a” to indicate the item number in the master list.
 - The alpha numerics will be separated by (dash).
 - The code will look like: MA-GN-01
- The Coding procedure for SOR is as follows:
 - Code will start from abbreviation for Department name “HE” or “WSP” or “SP”
- The USR will be subdivided into chapters according to the item classification; these chapters will be numbered as 1, 2, 3
- The items under the chapter will be numbered from 1
 - The sub items will be numbered as a, b, c
 - The code will look like R2-CS-CW-1-a-1
- Abbreviations to be used for Department

| Sr. No. | Department | Abbreviation |
|---------|--------------------------------|--------------|
| 1 | Building works/Common Schedule | CS |
| 2 | Roads | RW |
| 3 | Traffic and Signaling | RT |
| 4 | Bridges | BW |
| 5 | Water Supply Projects | WSP |
| 6 | Hydraulic Engg. | HE |
| 7 | Sewerage Projects | SE |
| 8 | Storm Water Drains | SWD |
| 9 | Mechanical and electrical | ME |
| 10 | Garden Works | GW |

B. SALIENT FEATURES OF SOR FOR BUILDING WORKS

- 1) All the rates are for all heights and levels unless noted otherwise.
- 2) Chloropyrifos EC 20 has been considered for anti termite treatment.
- 3) Artificial sand (crushed sand) has been considered for flooring bedding and for concrete work.
- 4) All the items are excluding fixtures otherwise not specified in respective item. In such case, items of Hardware section shall be used for fixtures.
- 5) For plastering and mortar work, river sand has been considered.
- 6) For plastering work all the rates are for all heights and levels and architectural decorative surface.
- 7) All external plaster items are including waterproofing compound except plastering item for structures like compound wall, masonry pedestals, pillars, etc.
- 8) Items for ashlar masonry, dewatering, self compacting concrete, vacuum dewatered concrete flooring and TMT steel bars have been introduced.
- 9) Rates of all the items in roofing work are inclusive of staging or scaffolding for any height.
- 10) Non-asbestos cement sheet provided in place of asbestos cement sheet roofing.
- 11) Concreting of pile shall be done with RMC only.
- 12) Rates of piling are inclusive of Chiseling of intermediate local boulders. No separate payment shall be made for the same
- 13) While estimating the quantity for Grouting of bentonite slurry in bored precast piles shall be measured as per bore dia. and pile dia. Exact quantity can be measured while execution and shall be paid accordingly
- 14) Rates considered in concrete items are including pumping of concrete upto placing point.
- 15) New items like Self compacting concrete, vacuum dewatered concrete flooring and TMT steel bars have been introduced.
- 16) The dismantling and demolishing chapter covers only removing old items and repair work covers both removing old items and re-fixing the new.
- 17) For heritage works the rate includes the statutory charges for heritage committee and conservation architect and no extra payment will be made.
- 18) APP (Atactic poly-propylene) modified polymeric membrane water proofing will be used only for trial basis on approval of City Engineer and/or Chief Engineer (B.M.).
- 19) In plumbing waterless urinals, fly ash bricks, fly ash concrete for green building concept have been introduced.

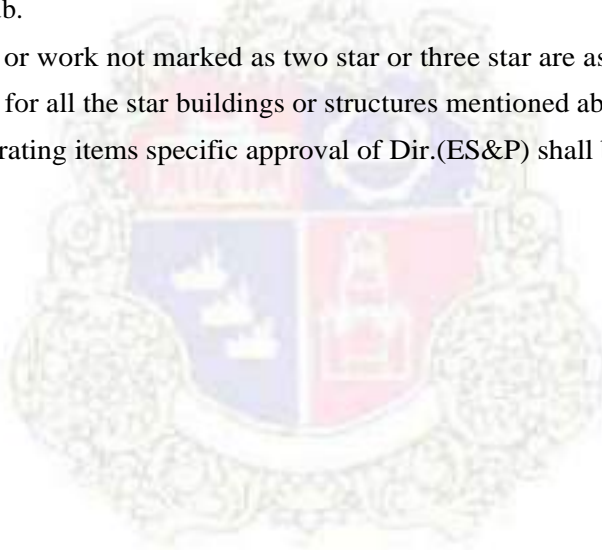
Star Rating:

In view of ambiguity related to choice of quality or grade of materials and subsequent items of works to be used at Ward level projects, Centralized projects or Special projects of and for smooth functioning during planning stage of a project, the new concept of Star Rating has been introduced for building works depending on the life expectancy of building, degree of occupancy of building and comfort to the end user. The buildings or structures rated are as follows:

- i. Two Star **- Ward offices and Central dept. Offices, schools, Small Hospitals, Primary Health Center, Fire Station, Crematorium, Slaughter Houses, Markets, Swimming Pools, Zoos, Chowkies, Libraries, Staff quarters and residential colonies, Public Toilets and Water tanks.
- ii. Three Star ***- Super specialty Hospitals, Drama Theatres, BMC Mayor's and Officer's bungalow, Heritage Structures, Head Office and Engineer's Hub.

The items or work not marked as two star or three star are assumed to be applicable for all the star buildings or structures mentioned above.

For 3 star rating items specific approval of Dir.(ES&P) shall be taken



Building Schedule/ Common Schedule 2023

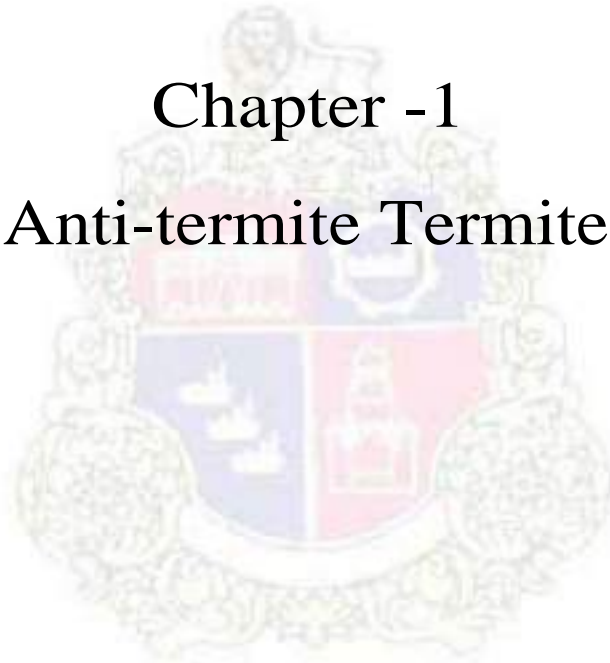
| Sr. No. | Content | ITEM CODE | PAGE NO. |
|---------|-------------------------------------|-------------|----------|
| 1 | Anti-termite Treatment | CS-AT | 1-3 |
| 2 | Earth Work | CS-EW | 4-9 |
| 3 | Concrete Work | CS-CW | 10-33 |
| 4 | Masonry Work | CS-MW | 34-40 |
| 5 | Plastering | CS-PL | 41-49 |
| 6 | Water Proofing Work | CS-WP | 50-64 |
| 7 | Painting | CS-PN | 65-70 |
| 8 | Flooring | CS-FL | 71-96 |
| 9 | Roofing Work | CS-RW | 97-102 |
| 10 | Structural Steel Work | CS-SS | 103-111 |
| 11 | Steel Work | CS-SL | 112-115 |
| 12 | Wood Work | CS-WW | 116-128 |
| 13 | FRP-PVC | CS-PV | 129-132 |
| 14 | Aluminium Work | CS-AW | 133-143 |
| 15 | Hardware | CS-HW | 144-152 |
| 16 | Piling Work | CS-PLG | 153-162 |
| 17 | Plumbing & Sanitation | CS-PS | 163-211 |
| 18 | Repair and Miscellaneous work | CS-RM | 212-226 |
| 19 | Conservation of Heritage Structures | CS-CH | 227-233 |
| 20 | Dismantling and Demolishing Works | CS-DD | 234-243 |
| 21 | Retrofitting Works | CS-RF | 244-249 |
| 22 | Furniture Work | CS-FUR | 250-261 |
| 23 | Basic Rate List | Appendix-A | 262-296 |
| 24 | List of Approved Material | Appendix- B | 297-305 |





Chapter -1

Anti-termite Termite



Buildings Schedule/Common Schedule 2023
Anti-termite Treatment

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|
| R3-CS-AT | ANTITERMITE WORKS | | |
| R3-CS-AT-1 | Providing Pre-constructional anti-termite treatment conforming to IS-6313 (part II) using chloropyrifos EC 20 Emulsion or equivalent of 1% concentration by weight for creating barrier under and all around foundation pits, wall trenches, basement excavation, backfill in immediate contact with foundation and treating the top surface of plinth filling, junction of wall & floor, along the external perimeter of building, expansion joints, surrounding of pipes, water conduits and at places suggested and as directed by Engineer-In-Charge covering 10 years guaranty. (plinth area should be considered for measurement and payment.) | Sqm | 187 |
| R3-CS-AT-2 | Providing anti-termite treatment around the periphery of the existing building conforming to IS-6313 (part III) by excavating trenches of 20cm width and exposing the sides of the columns, plinth beams and wall upto a depth of 300mm, rodding for the holes of 300mm deep and at 150m c/c in the trenches, treating with chloropyrifos EC 20 Emulsion or equivalent of 1% concentration by weight at the total rate of 2.25 Liters per meter including backfilling the trenches etc. complete as directed by Engineer-in-Charge covering 2 years guaranty. | Rmt | 81 |
| R3-CS-AT-3 | Providing anti termite treatment conforming to IS- 6313 (part-III) to the sides of flooring of the Existing building by punching/ drilling the holes of 16 mm dia at a distance of 300mm centre to centre and injecting 150 ml untill refusal or to a maximum of 1 Lit. per hole with chloropyrifos EC 20 Emulsion or equivalent of 1% concentration by weight, sealing the hole by filling the putty etc. complete as directed by Engineer-In-Charge with 2 years guaranty. | Per Hole | 32 |
| R3-CS-AT-4 | Providing anti termite treatment conforming to IS- 6313 (part-III) to the wooden frames of doors / windows of the Existing building by drilling the 3 mm dia. holes at 150mm c/c and at the junction of wood work and masonry work to downward angle of 45 degree and injecting 500 ml per hole or until refusal with oil / kerosene based chloropyrifos EC 20 emulsion or equivalent of 1% concentrate, sealing the holes by filling the putty etc complete as directed by Engineer-In-Charge with 2 years guaranty | Rmt | 366 |



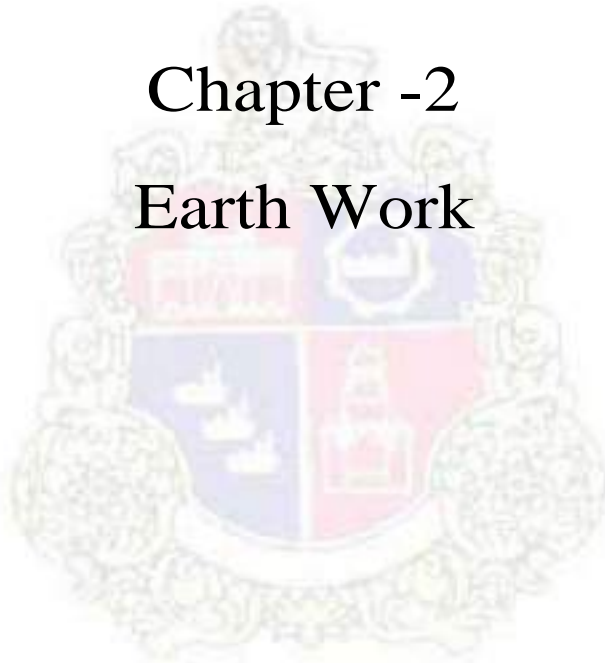
Buildings Schedule/Common Schedule 2023
Anti-termite Treatment

| | | | |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----|
| R3-CS-AT-5 | Providing anti termite treatment conforming to IS- 6313 (part-III) to the joints of wooden frames of beams/ joists used for the roof work of the Existing building by drilling the 3 mm dia holes at the four corners at downward angle of 45 degree at the junction of wood work and masonry work and injecting 500ml or until refusal per hole with oil / kerosene based chloropyrifos EC 20 emulsion or equivalent of 1% concentrate, sealing the hole by filling the putty etc complete as directed by Engineer-In-Charge with 2 years guaranty. | Per Joint | 99 |
| R3-CS-AT-6 | Providing general pest control service to the buildings to control the nuisance of cockroaches, lizards, bed bugs and other insects etc. by minimum four operation as and when directed in a year including monthly check up with additional operations if required and as directed by Engineer-In-Charge. | Sqm | 44 |
| R3-CS-AT-7 | Providing general pest control service to big sizes (Volume more than 1 Cum) of inspection chamber to control the nuisance of cockroaches and other insects etc by minimum four operations in a year and monthly check up with additional operations if required and as directed by Engineer-In-Charge. | Nos | 440 |
| R3-CS-AT-8 | Providing general pest control service to small sizes (Volume less than 1 Cum) of inspection chamber to control the nuisance of cockroaches and other insects etc by minimum four operations in a year and monthly check up with additional operations if required and as directed by Engineer-In-Charge. | Nos | 178 |
| R3-CS-AT-9 | Providing and applying two coats of an approved wood preservative for anti-termite treatment to wooden surface as per manufacturer's specifications and as directed by Engineer-In-Charge. | Sqm | 27 |



Chapter -2

Earth Work



Buildings Schedule/ Common Schedule 2023
Earth Work Items

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs)2023 |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------|
| R3-CS-EW | EARTHWORK | | |
| R3-CS-EW-1 | Excavation for foundations, substructures, basements, tanks, sumps, walls, chambers, manholes, trenches, poles, pits & general building works in all types of soils, vegetable earth, soft murum, running sand, shingle, turf clay, loam, peat, ash, shale, slag, chalk, garbage, muddy/ marshy/ slushy soil, marine clay, reclaimed land etc. for depths/lifts upto 1.5M measured from the ground level, including dressing/ trimming the sides, leveling and ramming of bottoms, manual dewatering, removing rank vegetation, backfilling in layers not more than 200mm thickness, watering, consolidating, compacting to achieve not less then 97% Modified Proctor density conforming to relevant IS, stacking the selected material in measurable heaps for future use within owners space or disposing within an initial lead of 150m as directed, loading, unloading, leveling excluding shoring, strutting etc. complete as directed by Engineer-in-Charge. Note: 1) The rate includes the handling/supporting the existing utilities such as cables, drains, pipes, water mains etc. 2) It also includes the royalty and other taxes applicable if any. For more details refer General Notes. | Cum | 387 |
| R3-CS-EW-2-a | Extra over above item CS-EW-1,15 &16 for lift from 1.5m to 3.0m. | Cum | 91 |
| R3-CS-EW-2-b | Extra over above item CS-EW-1,15 &16 for lift from 3.0m to 4.5m | Cum | 137 |
| R3-CS-EW-2-c | Extra over above item CS-EW-1,15 &16 for lift from 4.5m to 6.0m | Cum | 221 |
| R3-CS-EW-2-d | Extra over above item CS-EW-1,15 &16 for lift from 6.0m to 7.5m | Cum | 305 |
| R3-CS-EW-2-e | Extra over above item CS-EW-1,15 &16 for lift from 7.5m to 9.0m | Cum | 389 |
| R3-CS-EW-2-f | Extra over above item CS-EW-1,15 &16 for lift from 9.0m to 10.5m | Cum | 473 |
| R3-CS-EW-2-g | Extra over above item CS-EW-1,15 &16 for lift from 10.5m to 12.0m | Cum | 557 |
| R3-CS-EW-2-h | Extra over above item CS-EW-1,15 &16 for lift from 12.0m to 13.5m | Cum | 640 |
| R3-CS-EW-2-i | Extra over above item CS-EW-1,15 &16 for lift from 13.5m to 15.0m | Cum | 724 |
| R3-CS-EW-3 | Excavation for foundation, substructures, basements, tanks, sumps, walls, chambers, manholes, trenches, poles, pits & general building works in soft/ disintegrated rock, sand stone, stiff clay, gravel, cobblestone, hard laterite, water bound macadam, wet mix macadam, asphalt mix carpet of any type, pitching, soling, paths and hardcore, lime concrete, plain cement concrete, stone masonry and all types of brick/ block masonry below ground level, rock boulders, etc. for depths/ lifts upto 1.5M measured from the ground level, including dressing/ trimming the sides, leveling of bottoms, manual dewatering, removing rank vegetation, backfilling in layers not more than 200mm thickness, watering, consolidating, compacting to achieve not less then 97% Modified Proctor density conforming to relevant IS, stacking in measurable heaps for future use within owners space or disposing within an initial lead of 150m as directed, loading, unloading, leveling excluding shoring, strutting etc. complete as directed by Engineer-in-Charge. Note: 1) The rate includes the handling/supporting the existing utilities such as cables, drains, pipes, water mains etc. 2) It also includes the royalty and other taxes if any. | Cum | 644 |



Earth Work Items

| | | | |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| R3-CS-EW-4 | Excavation by chiseling by manual operations, pneumatic breaker, hammer, drilling, compressor breaker, jack hammer etc. for foundations, substructures, basements, tanks, sumps, walls, chambers, manholes, poles, pits & general building works in hard rock, reinforced concrete, Bituminous macadam for depths/lifts upto 1.5M, including dressing/trimming the sides, leveling of bottoms, manual dewatering, removing rank vegetation, backfilling in layers not more than 200mm thickness, watering, consolidating, compacting to achieve not less than 97% Modified Proctor density conforming to relevant IS, stacking in measurable heaps for future use within owners space or disposing within an initial lead of 150m as directed, unloading, leveling excluding shoring, strutting etc. complete as directed by Engineer-in-Charge, loading. Note: 1) The rate includes the handling/supporting the existing utilities such as cables, drains, pipes, water mains etc. 2) It also includes the royalty and other taxes if any. | Cum | 1347 |
| R3-CS-EW-5 | Excavation by using splitters for foundations, substructures, basements, tanks, sumps, walls, chambers, manholes, trenches, poles, pits & general building works in hard rock, reinforced concrete, for depths/lifts upto 1.5M, including drilling, breaking in small pieces, mucking, dressing/trimming the sides, leveling of bottoms, manual dewatering, removing rank vegetation, backfilling in layers not more than 200mm thickness, watering, consolidating, compacting to achieve not less than 97% Modified Proctor density conforming to relevant IS, stacking in measurable heaps for future use within owners space or disposing within an initial lead of 150m as directed by Engineer-in-Charge, loading, unloading, leveling excluding shoring, strutting etc. complete. Note: 1) The rate includes the handling/supporting the existing utilities such as cables, drains, pipes, water mains etc. 2) It also includes the royalty and other taxes if any. | Cum | 4433 |
| | [Note : Sanction of Director/DMC(SE)/DMC(E) should be obtained for including the above item in BOQ during the approval of Draft Tender.] | | |
| R3-CS-EW-6 | Excavation by controlled blasting with necessary safety precautions as per statutory requirement, for foundations, substructures, basements, tanks, sumps, walls, chambers, manholes, trenches, poles, pits & general building works in hard rock for depths/ lifts upto 1.5M, including drilling, breaking in small pieces, mucking, dressing/ trimming the sides, leveling/ grading of bottoms, manual dewatering, removing rank vegetation, backfilling in layers not more than 200mm thickness, watering, consolidating, compacting to achieve not less than 97% Modified Proctor density conforming to relevant IS, stacking in measurable heaps for future use within owners space or disposing within an initial lead of 150m as directed, loading, unloading, leveling excluding shoring, strutting etc. complete as directed by Engineer-in-Charge. Note: 1) The rate includes the handling/supporting the existing utilities such as cables, drains, pipes, water mains etc. 2) It also includes the royalty and other taxes if any. For more details refer General Notes. | Cum | 1123 |
| R3-CS-EW-7-a | Extra over the items CS-EW-03 to CS-EW-06 for lift from 1.5m to 3.0m. | Cum | 164 |
| R3-CS-EW-7-b | Extra over the items CS-EW-03 to CS-EW-06 for lift from 3m to 4.5m. | Cum | 294 |
| R3-CS-EW-7-c | Extra over the items CS-EW-03 to CS-EW-06 for lift from 4.5m to 6.0m. | Cum | 423 |
| R3-CS-EW-7-d | Extra over the items CS-EW-03 to CS-EW-06 for lift from 6.0m to 7.5m. | Cum | 553 |
| R3-CS-EW-7-e | Extra over the items CS-EW-03 to CS-EW-06 for lift from 7.5m to 9.0m. | Cum | 682 |
| R3-CS-EW-7-f | Extra over the items CS-EW-03 to CS-EW-06 for lift from 9.0m to 10.5m. | Cum | 812 |



Buildings Schedule/ Common Schedule 2023
Earth Work Items

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| R3-CS-EW-7-g | Extra over the items CS-EW-03 to CS-EW-06 for lift from 10.5m to 12.0m. | Cum | 942 |
| R3-CS-EW-7-h | Extra over the items CS-EW-03 to CS-EW-06 for lift from 12.0m to 13.5m. | Cum | 1071 |
| R3-CS-EW-7-i | Extra over the items CS-EW-03 to CS-EW-06 for lift from 13.5m to 15.0m. | Cum | 1201 |
| R3-CS-EW-8 | Add for lead upto 3 km including levelling. Note 1.This lead will be admissible only within MCGM limits. The distance between centerlines shall be taken as the lead which shall be measured by the shortest route on the plan and not the actual route taken by the Contractor. Here Centerlines represents the center point (for area/mass excavation) and the center chainage for linear excavation. 2. The Engineer In Charge shall exclusively include these directions in the Tender/Bid document and the Tenders/Bidders shall be insisted to make the declaration of the dumping plot at the time of submission of Bid. 3. The Engineer In Charge shall take the quantity in account for the disposal only upto Municipal Limits for the Shortest Route and payment will be made as per the actual distance within municipal limit. The payment will be restricted to the shortest distance upto the Municipal limit for the plot identified outside the Municipal limit. 4. Prior Specific sanction of Head of Dept. should be taken if transportation is to be done at night for above items, (i.e. between 8.00 pm. to 6 am.) and the rate shall be reduced by 10%. This item will be operated/executed with the specific sanction of the Chief Engineer. | Cum | 180 |
| R3-CS-EW-9 | Add for each additional lead of 1km beyond initial lead of 3km including levelling. Note .This lead will be admissible only within MCGM limits. The distance between centerlines shall be taken as the lead which shall be measured by the shortest route on the plan and not the actual route taken by the Contractor. Here Centerlines represents the center point (for area/mass excavation) and the center chainage for linear excavation. 2. The Engineer In Charge shall exclusively include these directions in the Tender/Bid document and the Tenders/Bidders shall be insisted to make the declaration of the dumping plot at the time of submission of Bid. 3. The Engineer In Charge shall take the quantity in account for the disposal only upto Municipal Limits for the Shortest Route and payment will be made as per the actual distance within municipal limit. The payment will be restricted to the shortest distance upto the Municipal limit for the plot identified outside the Municipal limit. 4. Prior Specific sanction of Head of Dept. should be taken if transportation is to be done at night for above items, (i.e. between 8.00 pm. to 6 am.) and the rate shall be reduced by 10%. This item will be operated/executed with the specific sanction of the Chief Engineer. | Cum | 37 |
| R3-CS-EW-10 | Dewatering the excavated trenches/pits, pools of water, well works by using pumps and other devices including disposing off water to safe distance as directed by Engineer-in-charge including cost of machinery, labour, fuel, pipe and it's accessories etc. complete. Note : This item will be operated/executed with the prior specific sanction of the Head of department. | HP/Hr. | 104 |
| R3-CS-EW-11 | Filling in plinth, floors, trenches, pits with approved excavated materials, murum / good earth in layers not exceeding 200mm including breaking of clods, watering, consolidating each layer in filled up area by rolling and compacting with roller/ plate compactor as required to achieve not less than 97% modified proctor density conforming to relevant IS etc. complete as directed by Engineer In charge. Note: 1) The rate includes the royalty and other taxes if any. | Cum | 236 |



Earth Work Items

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| R3-CS-EW-12 | Filling in plinth, floors, trenches, pits with approved contractor's murum in layers not exceeding 200mm including breaking of clods, watering, consolidating each layer in filled up area by rolling and compacting with roller/ plate compactor as required to achieve not less than 97% modified proctor density conforming to relevant IS etc. complete as directed by Engineer In charge. The rate includes necessary soil testing charges at laboratory & field as per relevant I.S. codes, royalty, octroi and other taxes if any. (Note: Borrow areas selected by CONTRACTOR shall be got approved from Engineer In Charge, before executing the work) 1) The rate includes the royalty and other taxes if any. | Cum | 1038 |
| R3-CS-EW-13 | Providing and removing open or closed shoring and strutting in the trenches/ pits for all depths as per specifications/ drawings and or as directed by Engineer-in-charge by including walling, struts, open poling boards, horizontal sheeting, runners, dog spikes by using timber etc. complete. | Sqm | Ref. rate of item SE-1-4 |
| R3-CS-EW-14 | Providing and leaving permanently in position the open or closed shoring and strutting in the trenches/ pits for all depths as per specifications/ drawings and or as directed by Engineer-in-charge including walling, struts, open poling boards, horizontal sheeting, runners, dog spikes by using timber etc. complete. | Sqm | Ref. rate of item SE-1-5 |
| R3-CS-EW-15 | Excavation over areas for basements, roads, land/plot developement in all types of soils, vegetable earth, soft murum, running sand, shingle, turf clay, loam, peat, ash, shale, slag, chalk, garbage, muddy/ marshy/ slushy soil, marine clay, reclaimed land etc. for all depths/lifts including manual dewatering, filling the selected excavated earth at the locations as directed, in layers not more than 200mm thickness, watering, consolidating, compacting to achieve not less then 97% Modified Proctor density conforming to relevant IS, stacking the selected material in measurable heaps for future use within owners space or disposing within an initial lead of 150m as directed, loading, unloading, leveling excluding shoring, strutting etc. complete as directed by Engineer-in-Charge. Note: 1) The rate includes the handling/supporting the existing utilities such as cables, drains, pipes, water mains etc. 2) It also includes the royalty and other taxes if any. | Cum | 273 |
| R3-CS-EW-16 | Excavation over areas for basements, roads, land/plot developement in soft/ disintegrated rock, sand stone, stiff clay, gravel, cobblestone, hard laterite, water bound macadam, wet mix macadam, pitching, soling, paths and hardcore, lime concrete, plain cement concrete, stone masonry and all types of brick/ block masonry below ground level, rock boulders, etc. for all depths/lifts including manual dewatering, filling the selected excavated earth at the locations as directed, in layers not more than 200mm thickness, watering, consolidating, compacting to achieve not less then 97% Modified Proctor density conforming to relevant IS, stacking the selected material in measurable heaps for future use within owners space or disposing within an initial lead of 150m as directed, loading, unloading, leveling excluding shoring, strutting etc. complete as directed by Engineer-in-Charge. Note: 1) The rate includes the handling/supporting the existing utilities such as cables, drains, pipes, water mains etc. 2) It also includes the royalty and other taxes if any. | Cum | 419 |



Buildings Schedule/ Common Schedule 2023
Earth Work Items

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| R3-CS-EW-17 | <p>Excavation by chiseling by manual operations, pneumatic breaker, hammer, drilling, compressor breaker, jack hammer etc. over areas for basements, roads, land/plot development etc. in hard rock, reinforced concrete, Bituminous macadam for all depths/lifts including manual dewatering, filling the selected excavated earth at the locations as directed, in layers not more than 200mm thickness, watering, consolidating, compacting to achieve not less than 97% Modified Proctor density conforming to relevant IS, stacking the selected material in measurable heaps for future use within owners space or disposing within an initial lead of 150m as directed, loading, unloading, leveling excluding shoring, strutting etc. complete as by Engineer-in-Charge.</p> <p>Note: 1) The rate includes the handling/supporting the existing utilities such as cables, drains, pipes, water mains etc. 2) It also includes the royalty and other taxes if any.</p> | Cum | 1232 |
| R3-CS-EW-18 | <p>Excavation by using splitters over areas for basements, roads, land/plot development etc. in hard rock, reinforced concrete, Bituminous macadam for all depths/lifts, including manual dewatering, filling the selected excavated earth at the locations as directed, in layers not more than 200mm thickness, watering, consolidating, compacting to achieve not less than 97% Modified Proctor density conforming to relevant IS, stacking the selected material in measurable heaps for future use within owners space or disposing within an initial lead of 150m as directed, loading, unloading, leveling excluding shoring, strutting etc. complete as directed by Engineer-in-Charge.</p> <p>Note: 1) The rate includes the handling/supporting the existing utilities such as cables, drains, pipes, water mains etc. 2) It also includes the royalty and other taxes if any.</p> | Cum | 4309 |
| R3-CS-EW-19 | <p>Excavation by controlled blasting with necessary safety precautions as per statutory requirement, over areas for basements, roads, land/plot development etc. in hard rock, reinforced concrete, Bituminous macadam for all depths/lifts, including manual dewatering, filling the selected excavated earth at the locations as directed, in layers not more than 200mm thickness, watering, consolidating, compacting to achieve not less than 97% Modified Proctor density conforming to relevant IS, stacking the selected material in measurable heaps for future use within owners space or disposing within an initial lead of 150m as directed, loading, unloading, leveling excluding shoring, strutting etc. complete by Engineer-in-Charge.</p> <p>Note: 1) The rate includes the handling/supporting the existing utilities such as cables, drains, pipes, water mains etc. 2) It also includes the royalty and other taxes if any.</p> | Cum | 1003 |
| R3-CS-EW-20 | <p>Filling in embankment and / or low lying ground with approved excavated materials, murum in layers not exceeding 200mm including breaking of clods and dressing to the required lines, curves and section, watering, consolidating each layer in filled up area by rolling and compacting with vibro roller not less than 10 MT & using other compacting equipment as required to achieve Field C.B.R. not less than 4 in soaked condition etc. complete as directed by Engineer In charge.</p> <p>Note: 1) The rate includes the royalty and other taxes if any.</p> | Cum | 489 |



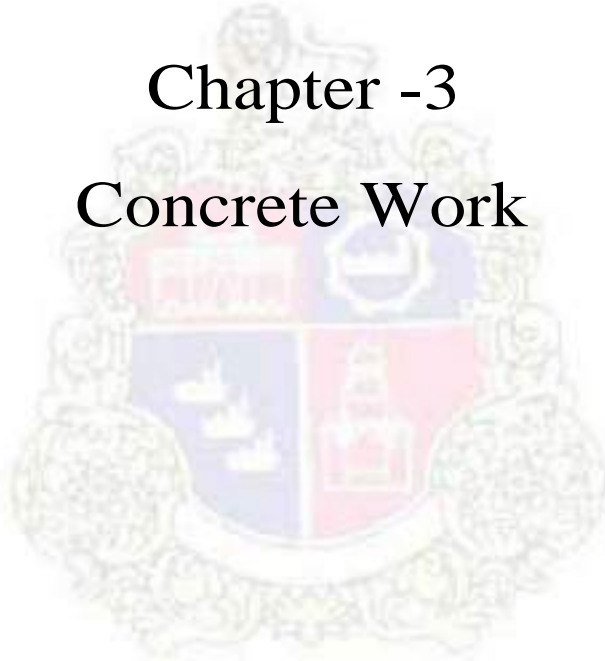
Buildings Schedule/ Common Schedule 2023
Earth Work Items

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| R3-CS-EW-21 | Filling in embankment and / or low lying ground with contractors murum in layers not exceeding 200mm including breaking of clods and dressing to the required lines, curves and section, watering, consolidating each layer in filled up area by rolling and compacting with vibro roller not less than 10 MT & using other compacting equipment as required to achieve Field C.B.R. not less than 4 in soaked condition etc. complete as directed by Engineer In charge. The rate includes necessary soil testing charges at laboratory & field as per relevant I.S. codes, royalty, octroi and other taxes if any. (Note: 1) Borrow areas selected by CONTRACTOR shall be got approved from Engineer In Charge, before executing the work 2) The rate includes the royalty and other taxes if any.) | Cum | 1231 |
| R3-CS-EW-22 | Rebate for stones available from the hill cutting, excavation, loose boulders including carting away the same as directed and making the site clean and neat as directed by Engineer-in-Charge. (The payment will be made on the basis of depot measurements of broken stones, taking average depth of depot by deducting 40% for voids) | Cum | 190 |
| R3-CS-EW-23 | Providing & Laying dry stone Rubble Pitching with average 150 mm size and of minimum thickness 230 mm hard stone set in regular lines to form plane surface, handpacked and interstices thoroughly filled with small chips including providing and laying gravel quarry spells underneath for leveling undulations of the ground. etc complete as directed by Engineer In Charge. (Note: The rate includes the royalty and other taxes if any) | Sqm | 547 |
| R3-CS-EW-24 | Providing and Laying 230mm thick Rubble Stone for Pitching on sloping ground or wherever directed, properly arranging and placing the rubble stones to achieve a plane top surface, set in regular line & slope, including breaking, laying gravel, quarry spells underneath and manually packing the voids with rubble chips, flush pointing with cement mortar 1:4 up to 25mm deep, etc. complete as specified & as directed. (Note: The rate includes the royalty and other taxes if any) | Sqm | 696 |
| R3-CS-EW-25 | Providing and Laying 230mm thick Rubble Stone for Pitching on sloping ground or wherever directed, properly arranging and placing the rubble stones to achieve a plane top surface, set in regular line & slope, including breaking, laying gravel, quarry spells underneath and manually packing the voids with rubble chips, tuck pointing with cement mortar 1:2 up to 25mm deep, etc. complete as specified & as directed. (Note: The rate includes the royalty and other taxes if any) | Sqm | 699 |
| R3-CS-EW-26 | Providing & Laying dry stone Rubble Soling with average 230 mm size hard stone set in regular lines, handpacked and interstices thoroughly filled with small chips including filling in with good quality murum brought from outside, compacting with iron rammers, watering, sand spreading 12mm thk. layer of grit on top etc complete as directed by Engineer In Charge. (Note: The rate includes the royalty and other taxes if any) | Cum | 2434 |
| R3-CS-EW-27 | Providing & Laying 150 mm thick dry stone Rubble Soling with average 150 mm size hard stone set in regular lines, handpacked and interstices thoroughly filled with small chips including filling in with good quality murum brought from outside, compacting with iron rammers, watering, sand spreading 12mm thk. layer of grit on top etc complete as directed by Engineer In Charge. (Note: The rate includes the royalty and other taxes if any) | Sqm | 278 |
| R3-CS-EW-28 | Prpviding and laying dry dry rubble stone packing with Municipal rubble hand set in regular lines, interstices being filled in with small pieces of stones, throughly rammed, consolidated and watered complete as directed and specified. | cum | 762 |
| R3-CS-EW-29 | Providing and laying dry rubble stone placing 150-230mm thick municipal rubble. | cum | 763 |



Chapter -3

Concrete Work



Buildings Schedule/ Common Schedule 2023
Concrete Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------------|
| R3-CS-CW | Concrete Works | | | |
| | Plain Cement Concrete Mixer Mix | | | |
| R3-CS-CW-1 | Providing and laying in position plain cement concrete of specified grade cement with trap/granite/quartzite/gneiss metal mixing in concrete mixer including bailing out water, compacting, finishing surface, curing and including the cost of centering and shuttering at all level : | | | |
| R3-CS-CW-1-a | Nominal Mix of 1:1.5:3 (1 cement OPC: 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) | Cum | 7467 | |
| R3-CS-CW-1-b | Nominal Mix of 1:2:4 (1 cement OPC: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) | Cum | 7232 | |
| R3-CS-CW-1-c | Nominal Mix of 1:3:6 (1 Cement OPC: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size). | Cum | 6682 | |
| R3-CS-CW-1-d | Nominal Mix of 1:4:8 (1 Cement OPC: 4 coarse sand : 8 graded stone aggregate 20 mm nominal size). | Cum | 6453 | |
| R3-CS-CW-1-e | Nominal Mix of 1:1.5:3 (1 cement (PPC) : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) | Cum | 7283 | |
| R3-CS-CW-1-f | Nominal Mix of 1:2:4 (1 cement (PPC): 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) | Cum | 7085 | |
| R3-CS-CW-1-g | Nominal Mix of 1:3:6 (1 Cement (PPC): 3 coarse sand : 6 graded stone aggregate 20 mm nominal size). | Cum | 6581 | |
| R3-CS-CW-1-h | Nominal Mix of 1:4:8 (1 Cement (PPC): 4 coarse sand : 8 graded stone aggregate 20 mm nominal size). | Cum | 6375 | |
| R3-CS-CW-1-j | Nominal Mix of 1:1:2 (1 cement OPC: 1 coarse sand : 2 graded stone aggregate 20 mm nominal size) | Cum | 7624 | |
| | Plain Cement Concrete RMC | | | |
| R3-CS-CW-2 | Providing and laying in position ready mixed plain cement concrete, using fly ash and cement content as per approved design mix from Engineer-in-charge and fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS 456 and uniform blending with cement is to be ensured in accordance with clauses 5.2 and 5.2.1 of IS: 456-2000 in the items of ready mixed concrete and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, including the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. | | | |
| R3-CS-CW-2-a | All works upto plinth level. | | | |



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Concrete Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------------|
| R3-CS-CW-2-a-1 | M-20 grade plain cement concrete (cement content considered @ 260 kg/cum). | Cum | 6432 | |
| R3-CS-CW-2-a-2 | M-15 grade plain cement concrete (cement content considered @ 240 kg/cum). | Cum | 6002 | ** *** , |
| R3-CS-CW-2-a-3 | M-10 grade plain cement concrete (cement content considered @ 220 kg/cum). | Cum | 5807 | ** *** , |
| R3-CS-CW-2-b | All works above plinth . | | | |
| R3-CS-CW-2-b-1 | M-20 grade plain cement concrete (cement content considered @ 260 kg/cum). | Cum | 7865 | ** *** , |
| R3-CS-CW-2-b-2 | M-15 grade plain cement concrete. (cement content considered @ 240 kg. /cum). | Cum | 7435 | ** *** , |
| R3-CS-CW-2-b-3 | M-10 grade plain cement concrete (cement content considered @ 220 kg/cum). | Cum | 7240 | |
| R3-CS-CW-3 | Providing and laying in position ready mixed plain cement concrete, with cement content as per approved design mix by Engineer-in-charge and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, including the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. | | | |
| R3-CS-CW-3-a | All works upto plinth level. | | | |
| R3-CS-CW-3-a-1 | M-20 grade plain cement concrete (cement content considered @ 260 kg/cum as per IS 456 table showing minimum cement content). | Cum | 6432 | ** *** , |
| R3-CS-CW-3-a-2 | M-15 grade plain cement concrete (cement content considered @ 240 kg/cum as per IS 456 table showing minimum cement content). | Cum | 6002 | ** *** , |
| R3-CS-CW-3-a-3 | M-10 grade plain cement concrete (cement content considered @ 220 kg/cum as per IS 456 table showing minimum cement content). | Cum | 5807 | ** *** , |
| R3-CS-CW-3-b | All works above plinth . | | | |
| R3-CS-CW-3-b-1 | M-20 grade plain cement concrete (cement content considered @ 260 kg/cum as per IS 456 table showing minimum cement content). | Cum | 7865 | ** *** , |
| R3-CS-CW-3-b-2 | M-15 grade plain cement concrete. (cement content considered @ 240 kg. /cum as per IS 456 table showing minimum cement content). | Cum | 7435 | ** *** , |



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Concrete Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|--------------------|
| R3-CS-CW-3-b-3 | M-10 grade plain cement concrete (cement content considered @ 220 kg/cum as per IS 456 table showing minimum cement content). | Cum | 7240 | ** *** , |
| | Pre-Cast Concrete | | | |
| R3-CS-CW-4 | Providing, hoisting and fixing at all level precast reinforced cement concrete work in string courses, bands, copings, drain covers, bed plates, anchor blocks, plain window sills and the like including the cost of required centering, shuttering and reinforcement, of | | | |
| R3-CS-CW-4-a | Nominal Mix 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size). | Cum | 8378 | |
| R3-CS-CW-4-b | Nominal Mix 1:1.5:3 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size). | Cum | 8613 | |
| R3-CS-CW-5 | Providing, hoisting and fixing at all level precast reinforced cement concrete in small lintels not exceeding 1.5m clear span up to all level including the cost of required centering, shuttering and reinforcement, with | | | |
| R3-CS-CW-5-a | 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size). | Cum | 13257 | |
| R3-CS-CW-5-b | 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size). | Cum | 13492 | |
| R3-CS-CW-6 | Providing precast cement concrete Jali of Nominal Mix 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia mild steel wire including centering and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete excluding plastering of the jambs, sills and soffits. | | | |
| R3-CS-CW-6-a | 100 mm thick | Sqm | 3055 | |
| R3-CS-CW-6-b | 50 mm thick | Sqm | 1997 | |
| R3-CS-CW-6-c | 40 mm thick | Sqm | 1634 | |
| R3-CS-CW-6-d | 25 mm thick | Sqm | 1507 | |
| | RCC RMC Concrete | | | |



Buildings Schedule/ Common Schedule 2023

Concrete Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------------|
| R3-CS-CW-7 | Providing and laying in position ready mixed design mix M-20 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying and the cost of centering, shuttering, finishing and excluding reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. The Mix design as per particular specifications shall be got approved by Engineer-in-Charge before execution of the item. The rate shall include cost of all specified materials and operations at all levels and heights, including the cost of centering, shuttering and and excluding reinforcement which shall be paid under relevant item. (Note :- Cement content considered in this item is @ 300 kg/cum as per IS 456 table showing minimum cement content. No extra will be paid nor any amount will recovered on account of variation of cement in mix design as per specifications for controlled concrete). | | | |
| | All works (including Centering & Shuttering) | | | |
| R3-CS-CW-7-a | Foundations, footings, bases of columns, rafts, pilecap | Cum | 7056 | ** *** , |
| R3-CS-CW-7-b | Walls (any thickness) including attached buttresses, retaining wall, shear wall, diaphragm wall , trench,pit walls, etc | Cum | 10793 | ** *** , |
| R3-CS-CW-7-c | Slabs, Suspended floors, roofs, landings, balconies, canopy and access platform | Cum | 12270 | ** *** , |
| R3-CS-CW-7-d | Lintels, beams, plinth beams, girders, floor beam, coping. | Cum | 9506 | ** *** , |
| R3-CS-CW-7-e | Columns, Pillars, Piers, Posts and Struts. | Cum | 11568 | ** *** , |
| R3-CS-CW-7-f | Stairs (waist slab), folded slab, inclined slab | Cum | 11718 | ** *** , |
| R3-CS-CW-7-g | Spiral staircases (including landing). | Cum | 13011 | ** *** , |
| R3-CS-CW-7-h | Extra for shuttering in circular work arches, columns (20% of respective centering and shuttering items). | Cum | 2314 | ** *** , |
| R3-CS-CW-7-i | Weather shade, Chajjas, corbels, cantilever beam, etc., including edges. | Cum | 13289 | ** *** , |
| R3-CS-CW-8 | Vertical and horizontal fins individually or forming box louvers, fascias and eaves | Cum | 12324 | ** *** , |
| R3-CS-CW-9 | Extra for providing two stage centering for height more than 4.5m and upto 9m height in terms of floor slabs including finishing, etc | Cum | 1988 | ** *** , |
| R3-CS-CW-10 | Extra for providing two stage centering for height more than 9m and upto 13m height in terms of floor slabs including finishing, etc | Cum | 2753 | ** *** , |
| R3-CS-CW-10-a | Extra for providing two stage centering for height more than 13m and upto 20m height in terms of floor slabs including finishing, etc | Cum | 3977 | *** |



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Concrete Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|--------------|
| R3-CS-CW-11 | Extra for providing two stage centering for height more than 4.5m and upto 9m height in terms of floor beams including finishing, etc | Cum | 1297 | ** ***, , |
| R3-CS-CW-12 | Extra for providing two stage centering for height more than 9m and upto 13m height in terms of floor beams including finishing, etc | Cum | 1785 | ** ***, , |
| R3-CS-CW-12-a | Extra for providing two stage centering for height more than 13m and upto 20m height in terms of floor beams including finishing, etc | Cum | 2457 | *** |
| R3-CS-CW-13 | Extra for providing two stage centering for height more than 4.5m and upto 9m height in terms of columns including finishing, etc | Cum | 1812 | ** ***, , |
| R3-CS-CW-14 | Extra for providing two stage centering for height more than 9m and upto 13m height in terms of columns including finishing, etc | Cum | 2507 | ** ***, , |
| R3-CS-CW-14-a | Extra for providing two stage centering for height more than 13m and upto 20m height in terms of columns including finishing, etc | Cum | 3591 | *** |
| R3-CS-CW-15 | Rebate in items of M20 R.C.C. for providing leaner mix of M15 with prior permission. | Cum | 430 | |
| R3-CS-CW-16 | Extra and over for providing richer RMC of M-25 grade cement concrete instead of M20 (Note :- Cement content considered in this item is @ 330 kg/cum as per IS 456 table showing minimum cement content.) | Cum | 560 | ** ***, , |
| R3-CS-CW-17 | Extra and over for providing richer RMC of M-30 grade cement concrete instead of M20 (Note :- Cement content considered in this item is @ 340 kg/cum as per IS 456 table showing minimum cement content.) | Cum | 780 | ** ***, , |
| R3-CS-CW-18 | Extra and over for providing richer RMC of M-35 grade cement concrete instead of M20 (Note :- Cement content considered in this item is @ 350 kg/cum as per IS 456 table showing minimum cement content.) | Cum | 1213 | ** ***, , |
| R3-CS-CW-19 | Extra and over for providing richer RMC of M-40 grade cement concrete instead of M20 (Note :- Cement content considered in this item is @ 360 kg/cum as per IS 456 table showing minimum cement content.) | Cum | 1544 | ** ***, , |
| R3-CS-CW-20 | Extra and over for providing richer RMC of M-45 grade cement concrete instead of M20 (Note :- Cement content considered in this item is @ 435 kg/cum as per IS 456 table showing minimum cement content.) | Cum | 1788 | ** ***, , |
| R3-CS-CW-21 | Extra and over for providing richer RMC of M-50 grade cement concrete instead of M20 (Note :- Cement content considered in this item is @ 450 kg/cum as per IS 456 table showing minimum cement content.) | Cum | 2237 | ** ***, , |
| | Self Compacting Concrete | | | |



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Concrete Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------------|
| R3-CS-CW-22 | Designing, providing and laying in any position, without usage of vibrator, ready mixed design mix Self Compacting Cement Concrete (SCC) of required grade for Form Finished reinforced cement concrete work in super structure at all floor levels, using cement & fly ash, content as required including transportation of concrete through transit mixer to site of laying for all leads, all floor levels, pumping of concrete to site of laying but excluding the cost of centering, shuttering, including admixtures conforming to IS 9103 as per designed proportions to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. The Mix design as per particular specifications shall be got approved by Engineer-in-Charge before execution of the item. The rate shall include cost of all specified materials and operations , but exclude the cost of centering, shuttering and reinforcement which shall be paid under relevant item. | | | |
| R3-CS-CW-22-a | M-30 Grade SCC | Cum | 8755 | *** |
| R3-CS-CW-22-b | M-35 Grade SCC | Cum | 9100 | *** |
| R3-CS-CW-22-c | M-40 Grade SCC | Cum | 9560 | *** |
| R3-CS-CW-22-d | M-45 Grade SCC | Cum | 9847 | *** |
| R3-CS-CW-22-e | M-50 Grade SCC | Cum | 10022 | *** |
| | Vacuum Dewatered Concrete Flooring | | | |
| R3-CS-CW-23 | Providing and laying C.C. floor of mix M-25 with ready mixed concrete from RMC. The ready mixed concrete shall be laid and vibrated with a poker vibrator and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-charge. The channel shuttering spaced 4m apart shall be included in this item.) | Cum | 7785 | |
| R3-CS-CW-24 | Providing and laying C.C. floor of mix M-20 with ready mixed concrete from RMC. The ready mixed concrete shall be laid and vibrated with a poker vibrator and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-charge. The channel shuttering spaced 4m apart shall be included in this item.) | Cum | 6601 | |
| | Encased Rolled Steel Section | | | |
| R3-CS-CW-25 | Encasing rolled steel sections, in beams and columns, with cement concrete of 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size) including centering and shuttering complete but excluding cost of reinforcement. | Cum | 12718 | ** *** , |



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| R3-CS-CW-26 | Encasing rolled steel sections, in beams and columns, with cement concrete of 1:1½:3 (1 cement: 1½ coarse sand: 3 graded stone aggregate 20mm nominal size) including centering and shuttering complete but excluding cost of reinforcement. | Cum | 12943 | ** *** , |
| R3-CS-CW-27 | Encasing rolled steel section in grillages with cement concrete of Nominal Mix 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size) including centering and shuttering but excluding cost of expanded metal and hangers. | Cum | 7948 | |
| R3-CS-CW-28 | Encasing rolled steel section in grillages with cement concrete of Nominal Mix 1:1½:3 (1 cement: 1½ coarse sand: 3 graded stone aggregate 20mm nominal size) including centering and shuttering but excluding cost of expanded metal and hangers. | Cum | 8182 | |
| R3-CS-CW-29 | Extra for providing and fixing expanded metal mesh of size 20x60mm and strands 3.25mm wide 1.6mm thick weighing 3.64 kg. per sqm. for encasing of rolled steel sections in beams, columns and grillages excluding cost of hangers. | Sqm | 560 | |
| | Centering and shuttering | | | |
| R3-CS-CW-30 | Centering and shuttering of steel plates with M.S. Angles including strutting, propping etc. and removal of form for : | | | |
| R3-CS-CW-30-a | Foundations, footings, bases of columns, rafts, pilecap | Sqm | 341 | |
| R3-CS-CW-30-b | Walls (any thickness) including attached buttermesses, ,retaining wall, shear wall, diaphragm wall etc | Sqm | 681 | |
| R3-CS-CW-30-c | Suspended floors, roofs, landings, balconies and access platform. | Sqm | 687 | |
| R3-CS-CW-30-d | Lintels, beams, plinth beams, girders, and cantilevers beam. | Sqm | 550 | |
| R3-CS-CW-30-e | Columns, Pillars, Piers, Posts and Struts. | Sqm | 813 | |
| R3-CS-CW-30-f | Stairs (waist slab), folded slab, inclined slab | Sqm | 619 | |
| R3-CS-CW-30-g | Spiral staircases (including landing). | Sqm | 636 | |
| R3-CS-CW-30-h | Vertical and horizontal fins individually or forming box louvers | Sqm | 1040 | |



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| R3-CS-CW-30-i | Extra for shuttering in circular or octagonal work , columns (20% of respective centering and shuttering item for column,pillar, post). | Sqm | 163 | |
| R3-CS-CW-30-j | Cornices and mouldings | Sqm | 777 | |
| R3-CS-CW-30-k | Weather shade, Chajjas, corbels, cantilever beam etc., including edges. | Sqm | 793 | |
| R3-CS-CW-30-m | Arches, Domes, Shells upto 6m span | Sqm | 1783 | |
| R3-CS-CW-30-l | Extra and over on item no. CS-CW-24-m for additional cost of centering for arches exceeding 6m span including all strutting, bolting, wedging etc. and removal (area of soffit to be measured). | Sqm | 737 | |
| | Architectural Form Finished Concrete Shuttering | | | |
| R3-CS-CW-31 | Centering and shuttering including strutting, propping etc. and removal of form for Architectural Form finished concrete work using water proof ply 12mm thick conforming to IS:710. The water proof ply shall be used for only 2(two) repetitions after first use, and any repetition after the first usage shall be taken up only after prior approval for water proof ply material for suitability for use in form finish concrete (Architectural finishes) by the Engineer-in-Charge in walls (any thickness) including attached pilasters, butteresses, plinth and string courses, Suspended floors, roofs, landings, balconies and access platform, Shelves (Cast in situ), Columns, Pillars, Piers, Abutments, Posts and Struts, Stairs, (excluding landings) except spiral-staircases with water proof ply 12mm thick. | Sqm | 891 | |
| R3-CS-CW-32 | Centering and shuttering including strutting, propping etc. and removal of form for Architectural Form finished concrete work using water proof ply 12mm thick conforming to IS:710. The water proof ply shall be used for only 2(two) repetitions after first use, and any repetition after the first usage shall be taken up only after prior approval for water proof ply material for suitability for use in form finish concrete (Architectural finishes) by the Engineer-in-Charge in lintels, beams, plinth beams, girders, bressumers and cantilevers Small lintel not exceeding 1.5m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like with water proof ply 12mm thick. | Sqm | 786 | |



Concrete Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|---------------------------|
| R3-CS-CW-33 | Centering and shuttering including strutting, propping etc. and removal of form for Architectural Form finished concrete work using water proof ply 12mm thick conforming to IS:710. The water proof ply shall be used for only 2(two) repetitions after first use, and any repetition after the first usage shall be taken up only after prior approval for water proof ply material for suitability for use in form finish concrete (Architectural finishes) by the Engineer-in-Charge in shuttering in circular work for column in plan with water proof ply 12mm thick. | Sqm | 1114 | |
| R3-CS-CW-34 | Extra over and above Centering and shuttering for making chamfering in columns, beams, walls with wooden battens of varying sizes & shape as shown in detail typical section drawing .The rate includes providing required battens fixed to ply shuttering with nails etc.at all heights complete as per design and drawing and direction of Engineer-in-Charge.The wooden batten shall be used for only 2(two) repetitions after first use, and any repetition after the first usage shall be taken up only after prior approval of the material by the Engineer-in-Charge for suitability for use in form finish concrete works (Architectural finishes) . Length of batten for chamfering shall be measured and paid for in this item. | Rmt | 47 | |
| | Reinforcement Steel | | | |
| R3-CS-CW-35 | Providing and fixing in position steel bars reinforcement of various diameters for R.C.C. pile, pile caps, footings,raft,retaining wall,shear wall, lift wall, foundations, slabs, beams, columns, canopies, staircases, newels, chajjas, lintels, pardies, coping, fins, arches, etc. as per detailed designs, drawings and bar bending schedules,including straightening, cutting, bending, hooking the bars, binding with wires or tack welding, supporting as required etc. all complete at all levels. | | | |
| R3-CS-CW-35-a | Mild steel bars | MT | 98314 | |
| R3-CS-CW-35-b | HYSD steel bars (Fe 415) | MT | 82375 | |
| R3-CS-CW-35-c | Thermo-Mechanically Treated steel bars. (Fe 500 D) | MT | 80080 | ** *** , |
| R2-CS-CW-35-d | Thermo-Mechanically Treated steel bars. (Fe 600 D) | MT | 88774 | *** |
| R3-CS-CW-35-e | Corrosion Resistant Steel (500 CRS D) | MT | 90706 | *** |
| | Shotcrete (Gunit treatment) | | | |



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| | (1) The work of short creting includes propping wherever required and removing debris from the site. The contractors will have to put up proper and sufficient hoarding, screen and fencing etc . during execution of work, to prevent damage/nuisance to Municipal Offices/premises and nothing will be paid extra on this account. (2) After breaking and removing loose or cracked concrete the measurement for thickness of the gunite should be taken as follows :-- Using nail and thread (line dori) the depth should be measured for every square meter at least 10 measurements should be taken. Based on these measurements the average depth should be worked out for overall work of guniting for slab, beam & column etc.(3) The rates of shortcreting are inclusive of scaffolding. | | | |
| R3-CS-CW-36 | Providing and applying epoxy resin in 2 coats before guniting to bond fresh concrete and old concrete surface as per manufacturer's specifications and inclusive of cleaning of reinforcement as directed. | Sqm | 455 | |
| R3-CS-CW-37 | Guniting in the proportion of 1:3.5 (C.S.) to the R.C.C. slabs, walls, floor etc. to an average thickness 40 mm and providing B.R.C. fabric 15 cm sq.mesh, 3.15 mm (10 G) thick or M. S. bars 6 mm dia. at 10 cm to 20 cm C/C both ways as directed. The rate includes the cost of removal of loose or cracked concrete and roughening the surfaces to receive guniting but excludes rate of scaffolding which will be paid seperately. | Sqm | 1324 | |
| R3-CS-CW-38 | Guniting in the proportion of 1:3.5 (C.S.) to the R. C. C. ledges and cornices portions by cutting the projected portions 30 cm to 60 cm (as required) with water drip arrangement as required etc complete. The rate excludes scaffolding which will be paid seperately. | Sqm | 1381 | |
| R3-CS-CW-39 | Guniting in the proportion of 1:3.5 (C.S.) to encase R. S. beams and joists to an average thickness of 50 mm including removing all loose or cracked concrete from the sides and roughening the same to prepare them to receive treatment and providing B. R. C. fabric 15 cm sq. mesh 3.15 mm thick (10 G) of M. S. bars 6 mm dia. 100 mm C/C as directed including rendering smooth the guniting surface as in the above items. The gunited beams shall be of original shape and size. Extra thickness in the web portion will be paid seperately. The rate excludes scaffolding which will be paid seperately. | Sqm | 1420 | |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|-------------|
| R3-CS-CW-40 | Guniting in the proportion of 1:3.5 (C.S.) R. C. C. beams, corbels, columns, vertical face etc., to an average thickness of 50 mm including removing all loose or cracked concrete from the site and roughening the same to prepare them to receive gunite treatment and providing B. R. C. fabric 15 cm sq. mesh 3.15 mm (10 G) thick or M. S. bars 6 mm dia. at 10 cm to 20 cm C/C both ways as directed, including rendering smooth the gunited surface as in the above items. The gunited beams, columns shall be as far as practicable to the original size. The rate excludes scaffolding which will be paid separately. | Sqm | 1420 | |
| R3-CS-CW-41 | Guniting in the proportion of 1:3.5 (C.S.) (without reinforcement of M.S. bars or B.R.C. fabric) for extra thickness of gunite over and above that specified in all the above items. The rate excludes scaffolding which will be paid separately. | Cu.M. | 18878 | |
| R3-CS-CW-42 | Guniting in the proportion 1:3.5 (C.S.) to an average thickness of 50 mm for waterproofing basement slabs, basement lift pit walls, retaining wall, etc., including provision of B.R.C. fabric 15 cm sq. mesh 3.15 mm thick (10 G) or M.S. bars 6 mm dia. at 10 cm to 30 cm C/C as directed roughening the original surface for receiving the gunite and leaving the site clean. The rate excludes scaffolding which will be paid separately. | Sqm | 1450 | |
| R3-CS-CW-43 | Guniting in the proportion of 1:3.5 (C.S.) to the R.C.C. slabs, walls, vertical face, floor etc. to an average thickness 25 mm and providing B.R.C. fabric 15 cm sq. mesh, 3.15 mm (10 G) thick or M. S. bars 6 mm dia. at 10 cm to 20 cm C/C both ways as directed. The rate includes the cost of removal of loose or cracked concrete and roughening the surfaces to receive guniting. The rate excludes scaffolding which will be paid separately. | Sqm | 1169 | |



Concrete Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
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| R3-CS-CW-44 | Jacketting the existing column of size as shown in the drawing by removing the concrete cover to reinforcement, by chipping or other suitable means to expose the reinforcement of existing column in order to make available the same for binding the extra reinforcement as shown in the drawing and also removal of rust, scales of the reinforcement in order to provide and apply approved make of epoxy resin to get proper bond with newly laid M25 grade concrete. The aforesaid concrete shall be laid by the sides of the existing column with uniform thickness of 115 mm or as specified, for jacketing purposes thereby increasing the sectional dimensions by 150 mm or as specified (excluding finishing) at any height with requisite shuttering, centring, scaffolding, propping, repairing the existing surface as specified and also removal of debris, curing etc. complete as per design and drawing etc. directed. (NOTE :- Reinforcement will be paid separately under respective item of schedule). | Cum | 17595 | |
| R3-CS-CW-44a | Jacketting the existing beam or beam connections as shown in the drawing by removing the concrete cover to reinforcement, by chipping or other suitable means to expose the reinforcement of existing beam or beam connections in order to make available the same for binding the extra reinforcement as shown in the drawing and also removal of rust, scales of the reinforcement in order to provide and apply approved make of epoxy resin to get proper bond with newly laid M25 grade (Site mix or RMC) concrete. The aforesaid concrete shall be laid by the sides of the existing beam with uniform thickness of 75 mm or as specified, for jacketing purposes thereby increasing the sectional dimensions by 100 mm or as specified (excluding finishing) at any height with requisite shuttering, centring, scaffolding, propping, repairing the existing surface as specified and also removal of debris, curing etc. complete as per design and drawing etc. directed. (NOTE :- Reinforcement will be paid separately under respective item of schedule). | Cum | 14768 | |
| R3-CS-CW-45 | Repairing to the existing RCC structural members (vertical or horizontal) using ready mix Micro Concrete of approved brand where the thickness of repair is more than 30 mm and upto 115 mm. It can be used for carrying out extensive repairs to beams, columns and other structural elements, repairing of structural members subjected to repetitive loading & for Jacketing of beams, columns and other structural elements for strengthening. <i>Procedure for carrying out repairing/jacketing using ready mix micro concrete-</i> | Kg | 41 | |



Concrete Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
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| | <p>Surface preparation- (separate payment shall be made) All loose traces of concrete or mortar, dust, grease oil, etc. must be removed. Damaged or contaminated concrete shall be removed to obtain a keyed aggregate exposed surface. Non-impact/ vibrating cleaning methods, e.g. grit or high pressure water blasting are recommended. Cut the edges of the repair vertically to a minimum depth of 20 mm. Clean all exposed reinforcement to a minimum grade of Sa 2 according to ISO 8501-1 / ISO 2944-4. Ensure back of reinforcing bar is also clean. Where reinforcing bars are corroded, cut back the concrete to at least 20mm behind the reinforcing bars and coat old and new with approved epoxy coating for corrosion protection Water Powder ration Grit blast around the reinforcing bars to remove corrosion products or any other method recommended by Engineer In charge or Structural Consultant. Replace the affected part of reinforcing bar if the diameter after grit blasting is found reduced by more than 20% of the original diameter on the advice of the structural engineer responsible for the works.</p> <p>Bond Coat- (separate payment shall be made) Providing & applying One coat of structural grade epoxy bond coat by brush conforming to ASTM-C-882-87 to the prepared concrete surface to be repaired / strengthened and micro concreting pouring shall be done when the surface is tacky.</p> | | | |
| | <p>Formwork – (No separate payment shall be made) The forms must be of good quality, treated with a chemical release agent for smooth release, provided with water drain holes, strong and well braced to withstand the fluid pressure of the mortar until it hardens.</p> <p>Mixing - Only full bags are mixed. Damaged or opened bags should not be used. Mix the ready mix Micro Concrete in a forced action pan mixer, or with a helical paddle attached to a low speed (300-600rpm) mixer for 3 minutes until a lump free, flowable consistency is achieved. Only use clean water. Mixing water needed: 3.25 to 3.75 litres per 25kg bag or as recommended by the Manufacturer of Micro Concrete. Allow the mortar to rest for 2 - 3 minutes and then remix briefly before pouring into formwork. If temperature more than 40°C then use chilled water for mixing.</p> | | | |



Concrete Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
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| | <p>Mortar application- The minimum temperatures must be maintained during application and for at least 24 hours thereafter for optimum curing of the product. The prepared substrate should be pre-soaked, preferably for 24 hours, but at least 2 hours before applying Ready Mix Micro Concrete ensure all water is removed from formwork prior to installation and formwork is resealed. Ready Mix Micro Concrete should be pumped or poured into the prepared formwork until the void is filled. Pumping is recommended for larger pours. Do not vibrate Ready Mix Micro Concrete as it could lead to segregation. The formwork should be removed after 1-3 days and a curing compound applied. If subsequent coats are to be applied the use of clear polythene is recommended for the first three days after removal of formwork. For repairs beyond 80mm to 100mm in thickness, extend Ready Mix Micro Concrete with up to 25kg of 5-12mm sized washed, saturated surface-dry (SSD), graded low absorption, high density aggregates.</p> <p>Protective coatings- (separate payment shall be made) Subsequent coatings of any anticarbonation barriers or silane impregnations should be applied if recommend by the Structural Engineer.</p> | | | |
| | <p>Curing - Minimum 7 days curing shall be done to the newly repaired/jacketed area using any suitable method. Required Compressive strength (ASTM C109 7cm cube) Ready Mix Micro Concrete used on site shall be sent for testing of compressive strength and minimum strength required to be achieved is as follows – 1 Day-15 MPa, 3 Day-25 MPa, 7 Day-35 MPa, 28 Day-40 MPa. Note- Payment is to be made by weight premixed of micro concrete product consumed as per site register records.</p> | | | |
| | Miscellaneous items | | | |
| R3-CS-CW-46 | Providing and laying premoulded asphalt filler for expansion joints cut to the required depth and camber. | | | |
| R3-CS-CW-46-a | 12 mm thick | Sqm | 825 | |
| R3-CS-CW-46-b | 18 mm thick | Sqm | 961 | |
| R3-CS-CW-46-c | 25 mm thick | Sqm | 1102 | |
| R3-CS-CW-47 | Providing and fixing copper strip upto 25cm wide and of 1.6 mm thick as specified for expansion joints etc. as per design. | Kg | 704 | |
| R3-CS-CW-48 | Providing and fixing thermocol board for expansion joints as directed. | | | |



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| R3-CS-CW-48-a | 25 mm thick | Sqm | 98 | |
| R3-CS-CW-48-b | 35 mm thick | Sqm | 223 | |
| R3-CS-CW-48-c | 50 mm thick | Sqm | 317 | |
| R3-CS-CW-49 | Sealing the expansion joints by polysulphide sealant so as to make the joint completely water tight complete as directed. | | | |
| R3-CS-CW-49-a | size 25 mm x 25 mm | Rmt | 1495 | |
| R3-CS-CW-49-b | size 35 mm x 25 mm | Rmt | 2026 | |
| R3-CS-CW-49-c | size 50 mm x 25 mm | Rmt | 2822 | |
| R3-CS-CW-50 | Providing & fixing 25mm thick alkali resistant, closed cell polymer based expansion joint filler board of approved make, having minimum density of 28 Kg/ Cum & compression strength of 0.21 Kg/sqm; using double sided adhesive tape, all complete as per the particular specifications and instructions of the Engineer in-charge. | Sqm | 483 | |
| R3-CS-CW-51 | Providing and fixing sheet covering over expansion joints with iron screws as per design to match the colour / shade of wall treatment. | | | |
| R3-CS-CW-51-a | Aluminium fluted strips 3.15mm thick. | | | |
| R3-CS-CW-51-a-1 | 150mm wide | Rmt | 705 | |
| R3-CS-CW-51-a-2 | 200mm wide | Rmt | 881 | |
| R3-CS-CW-51-b | Non-asbestos fibre cement board 6 mm thick as per IS:14862 | | | |
| R3-CS-CW-51-b-1 | 150mm wide | Rmt | 387 | |
| R3-CS-CW-51-b-2 | 200mm wide | Rmt | 449 | |
| R3-CS-CW-52 | Providing and fixing hydrophilic water sealing materials (20mm x 10mm) of assorted profiles of approved make at construction joints at different locations during the construction of Basement Raft RCC and peripheral RCC Retaining wall, construction joints and at other water retaining structures like UG and OH tanks including creating necessary nominal trapezoidal key shape in the formwork finish or by mason's finish, including applying suitable adhesives and sealants as per particular specification and as recommended, supplied by the approved manufacturer for proper and highly secure bonding with substrate, rough / smooth and wet / dry, proper splicing and jointing at corners, T, L and X junctions using suitable glue, at all such locations, and as directed by Engineer in-charge. | Rmt | 239 | |



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| R3-CS-CW-53 | Providing and applying Hydrophobic Silane-Siloxane coating of approved make, to exposed concrete surfaces at all heights & leads and wherever instructed by Engineer-In-Charge. The treatment shall be in two coats wet-on-wet or as recommended by approved manufacturer including preparation of surfaces by cleaning, curing, protecting, independent double legged scaffolding etc. complete .The rate includes the cost of all materials , its application by specialized applicators by spray coating with airless sprayer, cleaning the substrate of all laitance, construction dust, contaminants, double scaffolding, labour etc., all complete and at all heights, leads as per particular specification & directions of Engineer-in-Charge. Guarantee Bond in the prescribed proforma shall be executed by the contractor for the satisfactory performance of the application for 10 years. | Sqm | 195 | *** |
| R3-CS-CW-54 | Chipping /removing loose concrete upto reinforcement bars, without damaging the reinforcement, removing all the loose materials and to make all the exposed surfaces free from oil, dust and all impurities etc complete. | Sqm | 305 | |
| R3-CS-CW-55 | Removing corrosion of steel reinforcement by mechanical means like wire brushing, chipping to remove loose rust and then applying rust removal solution by using brush application, leaving the surface for at least 15 to 30 minutes, then removing loose materials by scrubbing or with brush. After detachment of loose scales reddish rusted surface is still left exposed, this has to be retreated or as per approved manufacturers specifications. (Note:- Consider surface area of concrete for payment) | Sqm | 46 | |
| R3-CS-CW-56 | Repairing to the existing RCC structural members (vertical or horizontal) using ready mix Polymer Modified Mortar (Fibre reinforced structural grade repair mortar) of approved brand where the thickness of repair is upto 15 mm. It can be used for carrying out extensive repairs to beams, columns, slab, and other structural elements, repairing of structural members subjected to repetitive loading for strengthening. Procedure for carrying out repair Polymer Modified Mortar - | Sqm | 3063 | |



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| | <p>Surface preparation- (separate payment shall be made) All loose traces of concrete or mortar, dust, grease oil, etc. must be removed. Damaged or contaminated concrete shall be removed to obtain a keyed aggregate exposed surface. Non-impact/ vibrating cleaning methods, e.g. grit or high pressure water blasting are recommended. Clean all exposed reinforcement to a minimum grade of Sa 2 according to ISO 8501-1 / ISO 2944-4. Ensure all visible portions of the reinforcing bar is clean. Where reinforcing bars are corroded, cut back the concrete around the reinforcing bars, Grit blast to remove corrosion products from around reinforcing bars and coat with approved epoxy coating for corrosion protection or any other protective coating as recommended by the Structural Engineer to protect from corrosion. Replace the affected part of rebar if the diameter after grit blasting is found reduced by more than 20% of the original diameter on the advice of the structural engineer responsible for the works. Bond Coat- (separate payment shall be made only for bond coat used for old surface to new surface) Providing & applying One coat of structural grade epoxy bond coat by brush conforming to ASTM-C-882-87 to the prepared concrete surface to be repaired / strengthened and repairing with PMM shall be done when the surface is tacky.</p> | | | |
| | <p>Mixing - Only full bags are mixed. Damaged or opened bags should not be used. Mix the ready-mix Polymer Modified Mortar in a forced action pan mixer, or with a helical paddle attached to a low speed (300-600rpm) mixer for 3 minutes until a lump free, thixotropic consistency is achieved. Only use clean water. Mixing water needed: 3.75 to 4.25 litres per 25kg bag or as recommended by the Manufacturer of Polymer Modified Mortar. Allow the mortar to rest for 2 - 3 minutes and then remix briefly before pouring into formwork. If temperature more than 40°C then use chilled water for mixing.</p> | | | |



Concrete Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
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| | <p>Mortar application-</p> <p>The minimum temperatures must be maintained during application and for at least 24 hours thereafter for optimum curing of the product. The prepared substrate should be pre-soaked, preferably for 24 hours, but at least 2 hours before applying Polymer Modified Mortar. The surface must be saturated surface dry, but without standing water. Polymer Modified Mortar can be spray- or hand-applied. Apply mixed product directly to the prepared damp substrate, or wet on wet onto the primed surface. Spraying the material with the necessary pressure will ensure good adhesion of the material. A thin scrape coat or contact layer before building up to the required thickness, wet on wet, will improve adhesion especially in case of hand application. Apply to the desired layer thickness upto 15 mm and level using a screeding bar, trowel or wooden board. Smoothing with a trowel or finishing by float or sponge can be done as soon as the mortar has begun to stiffen.</p> | | | |
| | <p>Protective coatings</p> <p>Subsequent coatings of any anticarbonation barriers or silane impregnations should be applied if recommended by the Structural Engineer.</p> <p>Plaster- (No separate payment shall be made)</p> <p>The repaired surface shall be matched to the surrounding surface by providing required thickness of plaster internal or external plaster.</p> <p>Curing</p> <p>Minimum 7 days curing shall be done to the newly repaired area using any suitable method.</p> <p>Required Compressive strength (ASTM C109 7cm cube)</p> <p>Ready Mix Polymer Modified Mortar used on site shall be sent for testing of compressive strength and minimum strength required to be achieved is as follows –</p> <p>1 Day-15 MPa, 3 Day-25 MPa, 7 Day-35 MPa, 28 Day-45 MPa.</p> | | | |
| R3-CS-CW-57 | <p>Repairing to the existing RCC structural members (vertical or horizontal) using ready mix Polymer Modified Mortar (Fibre reinforced structural grade repair mortar) of approved brand where the thickness of repair is upto 30 mm in two layers. It can be used for carrying out extensive repairs to beams, columns, slab, and other structural elements, repairing of structural members subjected to repetitive loading for strengthening.</p> <p>Procedure for carrying out repair Polymer Modified Mortar -</p> | Sqm | 5866 | |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
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| | <p>Surface preparation- (separate payment shall be made) All loose traces of concrete or mortar, dust, grease oil, etc. must be removed. Damaged or contaminated concrete shall be removed to obtain a keyed aggregate exposed surface. Non-impact/ vibrating cleaning methods, e.g. grit or high pressure water blasting are recommended. Clean all exposed reinforcement to a minimum grade of Sa 2 according to ISO 8501-1 / ISO 2944-4. Ensure all visible portions of the reinforcing bar is clean. Where reinforcing bars are corroded, cut back the concrete around the reinforcing bars, Grit blast to remove corrosion products from around reinforcing bars and coat with approved epoxy coating for corrosion protection or any other protective coating as recommended by the Structural Engineer to protect from corrosion. Replace the affected part of rebar if the diameter after grit blasting is found reduced by more than 20% of the original diameter on the advice of the structural engineer responsible for the works. Bond Coat- (separate payment shall be made only for bond coat used for old surface to new surface) Providing & applying One coat of structural grade epoxy bond coat by brush conforming to ASTM-C-882-87 to the prepared concrete surface to be repaired / strengthened and repairing with PMM shall be done when the surface is tacky.</p> | | | |
| | <p>Mixing - Only full bags are mixed. Damaged or opened bags should not be used. Mix the ready-mix Polymer Modified Mortar in a forced action pan mixer, or with a helical paddle attached to a low speed (300-600rpm) mixer for 3 minutes until a lump free, thixotropic consistency is achieved. Only use clean water. Mixing water needed: 3.75 to 4.25 litres per 25kg bag or as recommended by the Manufacturer of Polymer Modified Mortar. Allow the mortar to rest for 2 - 3 minutes and then remix briefly before pouring into formwork. If temperature more than 40°C then use chilled water for mixing.</p> | | | |



Concrete Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------------|
| | <p>Mortar application- The minimum temperatures must be maintained during application and for at least 24 hours thereafter for optimum curing of the product. The prepared substrate should be pre-soaked, preferably for 24 hours, but at least 2 hours before applying Polymer Modified Mortar. The surface must be saturated surface dry, but without standing water. Polymer Modified Mortar can be spray- or hand-applied. Apply mixed product directly to the prepared damp substrate, or wet on wet onto the primed surface. Spraying the material with the necessary pressure will ensure good adhesion of the material. A thin scrape coat or contact layer before building up to the required thickness, wet on wet, will improve adhesion especially in case of hand application. Apply to the desired layer thickness upto 15 mm in single layer and after hardening, provide second layer of required thickness (total upto 30 mm) and level using a screeding bar, trowel or wooden board. If required, bond coat shall be provided as per the recommendation of manufacturer between two layers of polymer Modified Mortar and no separate payment shall be made for it. (However, between old & new surface of concrete bond coat shall be applied & paid separately) Smoothing with a trowel or finishing by float or sponge can be done as soon as the mortar has begun to stiffen.</p> | | | |
| | <p>Protective coatings Subsequent coatings of any anticarbonation barriers or silane impregnations should be applied if recommended by the Structural Engineer. Plaster- ((No separate payment shall be made)) The repaired surface shall be matched to the surrounding surface by providing required thickness of plaster internal or external plaster. Curing Minimum 7 days curing shall be done to the newly repaired/jacketed area using any suitable method. Required Compressive strength (ASTM C109 7cm cube) Ready Mix Polymer Modified Mortar used on site shall be sent for testing of compressive strength and minimum strength required to be achieved is as follows – 1 Day-15 MPa, 3 Day-25 MPa, 7 Day-35 MPa, 28 Day-45 MPa.</p> | | | |
| R3-CS-CW-58 | Extra for spreading broken glass pieces under pavement 0.12 cu.m. of broken glass pieces per 10 sq.m. of area. | Sqm | 48 | |
| R3-CS-CW-59 | Providing Pre fabricated concrete louvres of Nominal Mix 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia mild steel wire including centering and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete | Sqm | 1441 | |



Concrete Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------------|
| R3-CS-CW-60 | Providing and applying modified approved polymer coating for concrete surfaces up to plinth in locations where attack on steel is anticipated due to excessive presence of sulphates and chlorides in ground water. | Sqm | 950 | |
| R3-CS-CW-61 | Providing hot dip galvanizing conforming to IS 12594-1988 to reinforcement bars, having mass of zinc coating shall not be less than 610 gms/sqm of bar surface area, unloading the material at Pre-treatment area and 1) Degreasing to remove grease, oil, dirt, paints 2) Rinsing with water to remove any of the de-greasing solution carried forward on the surface of bars. 3) Acid pickling by immersing bars in a dilute solution of Hydrochloric acid solution to remove all rust, mill scales, any other surface contaminants 4) Rinsing with water to remove excess acid and iron salts. 5) Jet spraying the surface with water for removal of pickling salts, 6) Fluxing - immersing the bars in a heated aqueous zinc ammonium chloride solution forming an oxide film to make surface optimally clean and ready for galvanizing, 7) Bars then to be dried on hot plate, 8) Galvanising - The bars to be immersed in a high grade 99.95% pure molten zinc to allow reaction to form a series of zinc-iron alloy layers for sufficient time to have the minimum coating thickness as specified, 9) Quenching - The bars then to be immersed in a quenching solution to stop galvanising reaction to ensure proper adhesion, 10) Passivation - to make bars less susceptible to wet storage stains, the bars to be treated by dipping in sodium dichromate solution (trivalent) (0.2%), 11) Finishing - if necessary the material to be cleaned to remove excess zinc drips and runs on surface. 12) Packing the material wherever if necessary, loading for shipment to the customers site excluding transportation. | | | |
| | Minimum requirements: | | | |
| | 1) Minimum zinc bath size must be 8 mtr (L) x 1.8 Mtr (D) x 1.2 Mtr (W). 2) Minimum length of Pre and Post Treatment tanks must be 11 Mtrs. 3) Zinc purity in the bath must be minimum 98.5% as per IS 209. 4) Vibrators installed along with dual speeds in Dipping crane. 5) BIS License required as per IS 12594 - 1988. | | | |
| R3-CS-CW-61-a | For 8 to 12 mm reinforcement bars | MT | 4140 | |
| R3-CS-CW-61-b | For 16 to 25 mm reinforcement bars | MT | 4140 | |
| R3-CS-CW-61-c | For 32 to 40 mm reinforcement bars | MT | 4416 | |
| R3-CS-CW-62 | Providing & Laying Plum concrete consisting of 80% P.C.C. mix (1:3:6) and 20% Rubble stone of maximum size of 150 mm laid in layers with ramming consolidating, watering including dewatering cost, seigniorage & conveyance of all materials, labour charges, machine mixing, finishing the surface etc. complete. | Cum | 6785.00 | |



Concrete Works

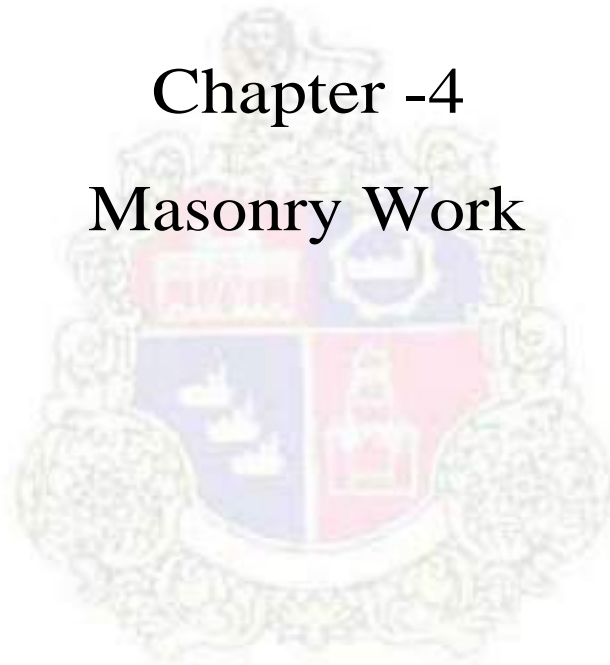
| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------------|
| R3-CS-CW-63 | -Do- as per Item No. 3.1.3 above but with evenly distributed plums of size 160 mm and above upto any reasonable size to a maximum limit of 30% by volume of concrete including mechanically vibrating and compacting, curing, cleaning, dewatering, preparing surface if any, required shuttering including providing pockets of any size and depth, forming drains, sumps etc. complete. | Cum | 6085.00 | |
| R3-CS-CW-64 | Centering and Wooden (Marine plywood) shuttering including strutting, propping, beacing, bolting, wedging, casting, striking, etc. and removal of form for : (Note: props shall consist of well designed adequately braced | | | |
| R3-CS-CW-64-a | Foundations, footings, bases of columns, rafts, pilecap | Sqm | 427.00 | |
| R3-CS-CW-64-b | Walls (any thickness) including attached butteresses, ,retaining wall, shear wall, diaphragm wall , Columns, Pillars, Piers, Posts and Struts. etc | Sqm | 909.00 | |
| R3-CS-CW-64-c | Suspended floors, roofs, landings, balconies and access platform, Lintels, beams, plinth beams, girders, and cantilevers beam, Stairs (waist slab), folded slab, inclined slab etc. | Sqm | 881.00 | |
| R3-CS-CW-65 | Providing & fixing parallel threaded couplers conforming to IS-16172 code on "Reinforcement couplers for mechanical splices of bars for concrete reinforcement Specifications", to reinforcement bars includinh threading enlargement at connection by forcing, protecting the prepare reinforcement bars at related operations as required to complete the works as per the directions of engineer incharge. | | | |
| R3-CS-CW-65-a | 25 mm | Nos | 196.00 | |
| R3-CS-CW-65-b | 32 mm | Nos | 270.00 | |



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Chapter -4

Masonry Work



Buildings Schedule/ Common Schedule 2023

Masonry Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------------|
| R3-CS-MW | Masonry Works | | | |
| | BRICK WORK | | | |
| R3-CS-MW-1 | Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 3.5 and above in foundation and plinth in: | | | |
| R3-CS-MW-1-a | Cement mortar 1:3 (1 cement : 3 coarse sand) | Cum | 9467 | |
| R3-CS-MW-1-b | Cement mortar 1:4 (1 cement : 4 coarse sand) | Cum | 9257 | |
| R3-CS-MW-1-c | Cement mortar 1:6 (1 cement : 6 coarse sand) | Cum | 9048 | |
| R3-CS-MW-2 | Brick work with common burnt clay modular bricks of class designation 3.5 and above in foundation and plinth in: | | | |
| R3-CS-MW-2-a | Cement mortar 1:3 (1 cement : 3 coarse sand) | Cum | 6832 | |
| R3-CS-MW-2-b | Cement mortar 1:4 (1 cement : 4 coarse sand) | Cum | 6647 | |
| R3-CS-MW-2-c | Cement Mortar 1:6 (1 cement : 6 coarse sand) | Cum | 6463 | |
| R3-CS-MW-3 | Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 3.5 and above in superstructure above plinth level upto floor five level in all shapes and sizes in : | | | |
| R3-CS-MW-3-a | Cement mortar 1:3 (1 cement : 3 coarse sand) | Cum | 10907 | |
| R3-CS-MW-3-b | Cement mortar 1:4 (1 cement : 4 coarse sand) | Cum | 10698 | |
| R3-CS-MW-3-c | Cement mortar 1:6 (1 cement : 6 coarse sand) | Cum | 10488 | |
| R3-CS-MW-4 | Brick work with common burnt clay modular bricks of class designation 3.5 and above in superstructure above plinth level upto floor five level in all shapes and sizes in : | | | |
| R3-CS-MW-4-a | Cement mortar 1:3 (1 cement : 3 coarse sand) | Cum | 10907 | |
| R3-CS-MW-4-b | Cement mortar 1:4 (1 cement : 4 coarse sand) | Cum | 10698 | |
| R3-CS-MW-4-c | Cement mortar 1:6 (1 cement : 6 coarse sand) | Cum | 10488 | |
| R3-CS-MW-5 | Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) : | | | *** |
| R3-CS-MW-5-a | With F.P.S.(non modular) bricks | Cum | 20229 | |
| R3-CS-MW-5-b | With Modular bricks | Cum | 19735 | |
| R3-CS-MW-6 | Extra for brick work / AAC block masonry / Tile brick masonry in superstructure all level, for each four floors or part thereof by mechanical means. | Cum | 479 | |
| R3-CS-MW-7 | Extra for forming cavity 5 cm to 7.5 cm wide in cavity walls with necessary weep and vent holes including use of cores and cost of providing and fixing bitumastic coated M .S. ties 300 mm long of 25x3 mm section at not less than 3 ties per Sqm as per approved design. (Measurement shall be made for per Sqm of elevational area on one side only) | Sqm | 185 | |



Buildings Schedule/ Common Schedule 2023
Masonry Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------------|
| R3-CS-MW-8 | Brick work in plain arches in superstructure above plinth level and upto floor five level including centering and shuttering complete for span up to 6 metres with common burnt clay F.P.S. (non modular) bricks of class designation 3.5 and above in cement mortar 1:3 (1 cement : 3 coarse sand) | Cum | 15407 | |
| R3-CS-MW-9 | Extra for additional cost of centering for arches exceeding 6m span including all shuttering, bolting, wedging and removal (Area of the soffit to be measured) | Sqm | 514 | |
| | HALF BRICK MASONRY | | | |
| R3-CS-MW-10 | Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 3.5 and above in foundations and plinth in : | | | |
| R3-CS-MW-10-a | Cement mortar 1:3 (1 cement : 3 coarse sand) | Sqm | 1040 | |
| R3-CS-MW-10-b | cement mortar 1:4 (1 cement : 4 coarse sand) | Sqm | 1017 | |
| R3-CS-CS-MW-11 | Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 3.5 and above in superstructure above plinth level up to floor V level. | | | |
| R3-CS-MW-11-a | Cement mortar 1:3 (1 cement : 3 coarse sand) | Sqm | 1202 | |
| R3-CS-MW-11-b | Cement mortar 1:4 (1 cement : 4 coarse sand) | Sqm | 1178 | |
| R3-CS-MW-12 | Extra for half brick masonry in superstructure, above floor V level for every four floors or part thereof by mechanical means. | Sqm | 42 | |
| R3-CS-MW-13 | Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. | Sqm | 101 | |
| | BRICK TILE WORK | | | |
| R3-CS-MW-14 | Tile brick masonry work 5 cm thick with common burnt clay F.P.S. (non modular) tile bricks of class designation 10 in cement mortar 1:3 (1 cement : 3 coarse sand) in superstructure above plinth and upto floor five level. | Sqm | 889 | *** |
| | HONEY COMB WORK, FLY ASH AND FIRE CLAY BRICK | | | |
| R3-CS-MW-15 | Honey-comb brick work 10 / 11.5 cm thick with common burnt clay bricks of class designation 3.5 and above in super structure at all levels in soak pit, garden walls, etc. | | | |
| R3-CS-MW-15-a | Cement mortar 1:4 (1 cement : 4 coarse sand) | Sqm | 678 | |
| R3-CS-MW-15-b | Cement mortar 1:6 (1 cement : 6 coarse sand) | Sqm | 665 | |
| R3-CS-MW-16 | Brick work with clay flyash F.P.S. (non modular) brick of class designation 3.5 and above in superstructure above plinth level up to floor five level in | | | |
| R3-CS-MW-16-a | Cement mortar 1:4 (1 cement : 4 coarse sand) | Cum | 7615 | |
| R3-CS-MW-16-b | Cement mortar 1:6 (1 cement : 6 coarse sand) | Cum | 7405 | |
| R3-CS-MW-17 | Brick work with fire bricks of fire clay (refractory bricks) machine moulded conforming to IS:6 in crematorium, fire stations, etc. at upto floor five level in : | | | |
| R3-CS-MW-17-a | Cement mortar 1:4 (1 cement : 4 coarse sand) | Cum | 7027 | *** |



Buildings Schedule/ Common Schedule 2023
Masonry Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------------|
| R3-CS-MW-17-b | Cement mortar 1:6 (1 cement : 6 Coarse sand) | Cum | 7705 | *** |
| | UNCOURSED RUBBLE MASONRY | | | |
| R3-CS-MW-18 | Uncoursed rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) upto plinth level with : | | | |
| | Cement mortar 1:6 (1 cement : 6 coarse sand). | Cum | 5083 | |
| R3-CS-MW-19 | Random rubble masonry with hard stone in superstructure above plinth level , including leveling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) at window sills, ceiling level and the like.Cement mortar 1:6 (1 cement : 6 coarse sand) | Cum | 6503 | |
| R3-CS-MW-20 | Extra for random rubble masonry with hard stone in square and rectangular pillars | Cum | 744 | |
| R3-CS-MW-21 | Extra for random rubble masonry with hard stone in circular pillars | Cum | 1880 | |
| | COURSED RUBBLE MASONRY | | | |
| R3-CS-MW-22 | Coursed rubble masonry (first sort) with hard stone in foundation and plinth with : | | | |
| | Cement mortar 1:6 | Cum | 6216 | |
| R3-CS-MW-23 | Coursed rubble masonry (second sort) with hard stone in foundation and plinth with : | | | |
| | Cement mortar 1:6 | Cum | 5771 | |
| R3-CS-MW-24 | Coursed rubble masonry (first sort) with hard stone in superstructure above plinth with : | | | |
| | Cement mortar 1:6 | Cum | 7627 | |
| R3-CS-MW-25 | Coursed rubble masonry (second sort) with hard stone in superstructure above plinth with : | | | |
| | Cement mortar 1:6 | Cum | 7182 | |
| | ASHLAR MASONRY | | | |
| R3-CS-MW-26 | Stone work in plain ashlar in super structure upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) including pointing with cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : | | | |
| | One face dressed | | | *** |
| R3-CS-MW-26-a | Red sand stone Cum | Cum | 83061 | *** |
| R3-CS-MW-26-b | White sand stone Cum | Cum | 89959 | *** |
| | Both face dressed | | | *** |
| R3-CS-MW-26-c | Red sand stone Cum | Cum | 100208 | *** |
| R3-CS-MW-26-d | White sand stone Cum | Cum | 107105 | *** |



Buildings Schedule/ Common Schedule 2023

Masonry Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------------|
| R3-CS-MW-27 | Stone work plain ashlar in arches in super structure upto floor V level in cement mortar 1:3 (1 cement : 3 coarse sand) including centring, shuttering and pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade. | | | *** |
| | One face dressed | | | *** |
| R3-CS-MW-27-a | Red sand stone Cum | Cum | 86741 | *** |
| R3-CS-MW-27-b | White sand stone Cum | Cum | 93639 | *** |
| | Both face dressed | | | *** |
| R3-CS-MW-27-c | Red sand stone Cum | Cum | 103888 | *** |
| R3-CS-MW-27-d | White sand stone Cum | Cum | 114235 | *** |
| R3-CS-MW-28 | Stone work plain ashlar in domes , in super structure upto floor V level in cement mortar 1:3 (1 cement : 3 coarse sand) including centring, shuttering and pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade. | | | *** |
| | One face dressed | | | *** |
| R3-CS-MW-28-a | Red sand stone Cum | Cum | 116079 | *** |
| R3-CS-MW-28-b | White sand stone Cum | Cum | 122976 | *** |
| | Both face dressed | | | *** |
| R3-CS-MW-28-c | Red sand stone Cum | Cum | 159111 | *** |
| R3-CS-MW-28-d | White sand stone Cum | Cum | 166008 | *** |
| R3-CS-MW-29 | Extra for stone work, random rubble / coursed rubble masonry / ashlar masonry above floor V level for every four floors or part thereof. | Cum | 1525 | *** |
| | STONE WORK IN DRY CLADDING | | | |
| R3-CS-MW-30 | Providing and fixing dry cladding upto 10 metre heights with 30 mm thick gang saw cut stone with (machine cut edges) of uniform colour and size upto 1mx1m, fixed to structural steel frame work and/ or with the help of cramps, pins etc. and sealing the joints with approved weather sealant as per Architectural drawing and direction of Engineer-in-charge. (The steel frame work, stainless steel cramps and pins etc. shall be paid for separately). | | | |
| R3-CS-MW-30-a | Red sand stone | Sqm | 7495 | *** |
| R3-CS-MW-30-b | White sand stone | Sqm | 8095 | *** |



Buildings Schedule/ Common Schedule 2023
Masonry Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------------|
| R3-CS-MW-31 | Providing and fixing structural steel frame (for dry cladding with 30 mm thick gang saw cut with machine cut edges sand stone) on walls at all heights using M.S. square/ rectangular tube in the required pattern as per architectural drawing, including cost of cutting, bending, welding etc. The frame work shall be fixed to the wall with the help of M.S. brackets/ lugs of angle iron/ flats etc. which shall be welded to the frame and embedded in brick wall with cement concrete block 1:2:4 (1cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) of size 300x230x300 mm, including cost of necessary centring and shuttering and with approved expansion hold fasteners on CC/RCC surface, including drilling necessary holes. Approved cramps/ pins etc. shall be welded to the frame work to support stone cladding, the steel work will be given a priming coat of Zinc primer as approved by Engineerin-charge and painted with two or more coats of epoxy paint (Shop drawings shall be submitted by the contractor to the Engineer-in-charge for approval before execution). The frame work shall be fixed in true horizontal & vertical lines/planes. (Only structural steel frame work shall be measured for the purpose of payment, stainless steel cramps shall be paid for separately and nothing extra shall be paid). | Kg | 192 | |
| R3-CS-MW-32 | Providing and fixing adjustable stainless steel cramps of approved quality, required shape and size, adjustable with stainless steel nuts, bolts and washer (total weight not less than 260 gms), for dry stone cladding fixed on frame work at suitable location, including making necessary recesses in stone slab, drilling required holes etc complete as per direction of the Engineer-in-charge. | Each | 343 | |
| | AAC BLOCK MASONRY | | | |
| R3-CS-MW-33 | Providing and laying autoclaved aerated (cellular) cement blocks masonry with more than 100 mm thick AAC blocks in cement mortar 1:4 (1 cement : 4 coarse sand) including RCC stiffeners. The rate includes providing and placing in position 2 Nos 6 mm dia M.S. bars at every third course of masonry work, racking of joints, scaffolding and curing,etc. completed as directed by Engineer-in-Charge. | Cum | 8822 | ** ***, |
| | COLCRETE MASONRY | | | |
| R3-CS-MW-34 | Providing colcrete masonry with contractors rubble for foundation, and superstructure in cement and sand grout of 1:3 by weight with stones facing on both sides, including the cost of racking of joints wherever necessary curing etc. complete as directed. | Cum | 4268 | |
| R3-CS-MW-35 | Providing colcrete masonry with free Municipal rubble for foundations and superstructures in cement and sand grout of 1:3 by weight with stone facing on both sides, including the cost of racking of joints wherever necessary curing etc. complete as directed. | Cum | 3202 | |

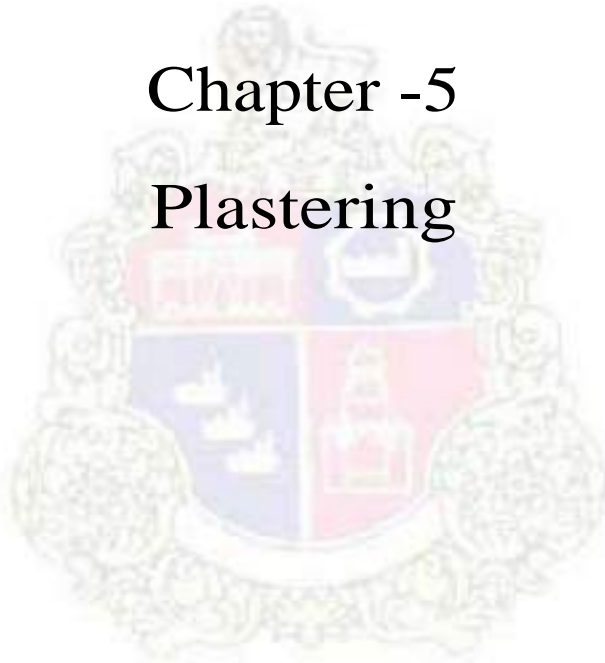


Buildings Schedule/ Common Schedule 2023
Masonry Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------------|
| R3-CS-MW-36 | Providing colcrete masonry with contractors rubble for foundations and superstructures in cement and sand grout of 1:3 by weight with grout finish of 12 mm thickness on both sides, including curring etc. complete as directed. | Cum | 5383 | |
| R3-CS-MW-37 | Providing colcrete masonry with free Municipal rubble for foundations and superstructures in cement and sand grout of 1:3 by weight withgrout finish of 12 mm thickness on both sides, including curing etc. complete as directed. | Cum | 4317 | |
| | MISCELLANEOUS WORK | | | |
| R3-CS-MW-38 | Stone work, plain in copings, cornices, string courses and plinth courses, upto 75 mm thick in cement mortar 1:6 (1 cement: 6 coarse sand) including pointing with white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade. | | | |
| R3-CS-MW-38-a | Red sand stone | Cum | 101933 | |
| R3-CS-MW-38-b | White sand stone | Cum | 108831 | |
| R3-CS-MW-39 | Brick cornice, architraves moulded 75mm projection from brickwork or RCC lintel and 10 to 15 cm in height in cement mortar 13 finished smooth with sand faced plaster 20 mm thick in two layers with W.P. Compound. | Rmt | 539 | |
| R3-CS-MW-40 | Constructing precast cement concrete solid block masonry (1:3) in valve chambers of any size and wall thickness, the concrete block used shall be of 1:2:4 grade and of size 400x200x300, including racking of joints, curing etc complete and as directed by Engineer In Charge. | Cum | 15290 | |
| R3-CS-MW-41 | Providing and laying autoclaved aerated (cellular) cement blocks masonry with more than 100 mm thick AAC blocks in Chemical Adhasive including RCC stiffeners. The rate includes providing and placing in position 2 Nos 6 mm dia M.S. bars at every third course of masonry work, racking of joints, scaffolding and curing,etc. completed as directed by Engineer-in-Charge. | Cum | 8065 | |



Chapter -5 Plastering



| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------------|
| R3-CS-PL | PLASTERING WORKS | | | |
| R3-CS-PL-01 | Providing and applying 6 mm thick internal sand faced ceiling plaster in cement mortar 1:3 at all heights and locations in single coat for concrete surfaces including scaffolding, hacking of concrete surface, watering, finishing, curing etc. complete. | Sqm | 286 | |
| R3-CS-PL-02 | Providing and applying 6 mm thick internal ceiling plaster in cement mortar 1:3 with neeru finish at all heights and locations in single coat for concrete surfaces including scaffolding, hacking of concrete surface, watering, finishing, curing etc. complete. | Sqm | 382 | |
| R3-CS-PL-03 | Providing and applying 6 mm thick internal ceiling plaster in single coat in cement mortar 1:3 with white cementitious wall putty (Birla white or equivalent) finish at all heights and locations for concrete surfaces including hacking of concrete surface, watering, finishing, curing, scaffolding etc. complete. | Sqm | 370 | |
| R3-CS-PL-04 | Providing and applying 12 mm thick internal sand faced plaster in cement mortar 1:3 at all heights and locations in one coat for masonry (except stone masonry) and concrete surfaces including racking out joints, hacking of concrete surface, watering, finishing, curing, scaffolding etc. complete. | Sqm | 314 | |
| R3-CS-PL-05 | Providing and applying 12 mm thick internal plaster in cement mortar 1:3 with neeru finish at all heights and locations in one coat for masonry (except stone masonry) and concrete surfaces including racking out joints, hacking of concrete surface, watering, finishing, curing, scaffolding etc. complete. | Sqm | 427 | |
| R3-CS-PL-06 | Providing and applying 12 mm thick internal plaster in one coat in cement mortar 1:3 with white cementitious wall putty (Birla or equivalent) at all heights and locations for masonry (except stone masonry) and concrete surfaces including racking out joints, hacking of concrete surface, watering, finishing, curing, scaffolding etc. complete. | Sqm | 415 | |
| R3-CS-PL-07 | Providing and applying 12 mm thick internal plaster with neeru finish by using ready-mix mortar as per manufacturers recommendations at all heights and locations for masonry (except stone masonry) and concrete surfaces including racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc. complete. | Sqm | 468 | |
| R3-CS-PL-08 | Providing and applying 20 mm thick internal sand faced cement plaster at all heights and locations in cement mortar specified below in two coats for masonry (except stone masonry) and concrete surfaces including racking out joints, hacking of concrete surface, watering, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. | | | |
| R3-CS-PL-08-a | In cement mortar 1:2 | Sqm | 560 | |



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| R3-CS-PL-08-b | In cement mortar 1:3 | Sqm | 541 | |
| R3-CS-PL-08-c | In cement mortar 1:4 | Sqm | 519 | |
| R3-CS-PL-09 | Providing and applying 20 mm thick internal plaster with neeru finish at all heights and locations in cement mortar specified below in two coats for masonry (except stone masonry) and concrete surfaces including racking out joints, hacking of concrete surface, watering, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. | | | |
| R3-CS-PL-09-a | In cement mortar 1:2 | Sqm | 655 | |
| R3-CS-PL-09-b | In cement mortar 1:3 | Sqm | 636 | |
| R3-CS-PL-09-c | In cement mortar 1:4 | Sqm | 615 | |
| R3-CS-PL-10 | Providing and applying 20 mm thick internal plaster with neeru finish by using ready-mix Roofit mortar at all heights and locations as per manufacturers recommendations for masonry (except stone masonry) and concrete surfaces including racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc. complete. | Sqm | 573 | *** |
| R3-CS-PL-11 | Providing and applying 30 to 40 mm thick internal sand faced cement plaster to the all types of stone masonry walls, concrete surfaces at all heights and locations in cement mortar 1:4 in three coats including racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. Min. time lag between two coats shall be 24 hours.(as per IS 2402 of 1963.) | Sqm | 758 | |
| R3-CS-PL-12 | Providing and applying 30 to 40 mm thick internal cement plaster with neeru finish to the all types of stone masonry walls, concrete surfaces at all heights and locations in cement mortar 1:4 in three coats including racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. Min. time lag between two coats shall be 24 hours.(as per IS 2402 of 1963.) | Sqm | 853 | |
| R3-CS-PL-13 | Providing and applying 13 mm thick internal plaster in gypsum (Stuccoplaster) of approved make with neat smooth finish at all heights and locations for masonry (except stone masonry) and concrete surfaces including scaffolding, hacking of concrete surface, finishing etc. complete as per manufacturers specifications and as directed by Engineer In Charge. | Sqm | 423 | |
| R3-CS-PL-14 | Providing and applying 12 mm thick sand faced external cement plaster for soffit of slabs & stair, beams, columns, chajja etc. upto 10m from ground level and at all locations in cement mortar as specified below including providing water proofing compound to the first coat of plaster as per manufacturers specification, hacking of concrete surface, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. | | | |



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| R3-CS-PL-14-a | In cement mortar 1:1 | Sqm | 368 | |
| R3-CS-PL-14-b | In cement mortar 1:2 | Sqm | 345 | |
| R3-CS-PL-14-c | In cement mortar 1:3 | Sqm | 333 | |
| R3-CS-PL-15 | Providing and applying 20 mm thick external sand faced cement plaster upto 10m from ground level and at all locations in cement mortar proportion specified below in two coats for masonry (except stone masonry) and concrete surfaces including providing water proofing compound to the first coat of plaster as per manufacturers specification, racking out joints, hacking of concrete surface, finishing, curing, scaffolding, etc complete as directed By Engineer In Charge. | | | |
| R3-CS-PL-15-a | In cement mortar 1:3 | Sqm | 542 | |
| R3-CS-PL-15-b | In cement mortar 1:4 | Sqm | 520 | |
| R3-CS-PL-16 | Providing and applying 20 mm thick external sand faced cement plaster with neat cement rendering upto 10m from ground level and at all locations in cement mortar proportion specified below in two coats for masonry (except stone masonry) and concrete surfaces including providing water proofing compound to the first coat of plaster as per manufacturers specification, racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. Min. time lag between two coats shall be 24 hours.(as per IS 2402 of 1963.) | | | |
| R3-CS-PL-16-a | In cement mortar 1:1 | Sqm | 657 | |
| R3-CS-PL-16-b | In cement mortar 1:2 | Sqm | 618 | |
| R3-CS-PL-16-c | In cement mortar 1:3 | Sqm | 612 | |
| R3-CS-PL-17 | Providing and applying 25 mm thick external sand faced cement plaster with neat cement rendering upto 10m from ground level and at all locations in cement mortar proportion specified below in two coats for masonry (except stone masonry) and concrete surfaces including providing water proofing compound to the first coat of plaster as per manufacturers specification, racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. Min. time lag between two coats shall be 24 hours.(as per IS 2402 of 1963.) | | | |
| R3-CS-PL-17-a | In Cement mortar 1:1 | Sqm | 728 | |
| R3-CS-PL-17-b | In cement mortar 1:2 | Sqm | 679 | |
| R3-CS-PL-17-c | In Cement mortar 1:3 | Sqm | 655 | |



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| R3-CS-PL-18 | Providing and applying 20 mm thick external sand faced cement plaster by using ready-mix mortar upto 10m from ground level and at all locations in two coats for masonry (except stone masonry) and concrete surfaces including racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc. complete. | Sqm | 617 | *** |
| R3-CS-PL-19 | Providing and applying 20 mm thick external colour crete cement plaster made up of colour crete cement of approved quality and khrasalia sand upto 10m from ground level and at all locations in cement mortar 1:2 including 12 mm thick base coat as directed to match existing khandkee work with joints emphasized properly as specified for masonry (except stone masonry) and concrete surfaces including providing water proofing compound to the first coat of plaster as per manufacturers specification, racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. Min. time lag between two coats shall be 24 hours.(as per IS 2402 of 1963.) | Sqm | 566 | ** |
| R3-CS-PL-20 | Providing and applying 20 mm thick external Malad crete cement plaster made of Malad chip powder for masonry (except stone masonry) and concrete surfaces upto 10m from ground level and at all locations in cement mortar 1:2 including 12 mm thick base coat for brickwork and concrete surfaces including, providing water proofing compound to the first coat of plaster as per manufacturers specification, racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. Min. time lag between two coats shall be 24 hours.(as per IS 2402 of 1963.) | Sqm | 662 | *** |
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| R3-CS-PL-21 | Providing and applying 25 mm thick external plaster with sea gravel finish upto 10m from ground level and at all locations in cement mortar 1:3 in two coats for masonry (except stone masonry) and concrete surfaces as directed including, providing water proofing compound to the first coat of plaster as per manufacturers specification, racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. Min. time lag between two coats shall be 24 hours.(as per IS 2402 of 1963.) | Sqm | 428 | *** |
| R3-CS-PL-22 | Providing and applying 25 mm thick (average) external sand faced cement rough cast plaster upto 10m from ground level and at all locations in cement mortar 1:4 in two coats for masonry (except stone masonry) and concrete surfaces including, providing water proofing compound to the first coat of plaster as per manufacturers specification, racking out joints, hacking of concrete surface, providing bands, drip moulds, grooves etc. finishing, curing, scaffolding etc complete as directed By Engineer In Charge. | Sqm | 887 | |



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| R3-CS-PL-23 | Providing and applying 30 to 40 mm thick external sand faced rough cast cement plaster upto 10m from ground level and at all locations in cement mortar 1:4 in two coats for masonry (except stone masonry) and concrete surfaces including, providing water proofing compound to the first coat of plaster as per manufacturers specification, racking out joints, hacking of concrete surface, providing bands, drip moulds, grooves etc. finishing, curing, scaffolding etc complete as directed By Engineer In Charge. | Sqm | 975 | |
| R3-CS-PL-24 | Providing and applying 15 mm thick external sand faced cement plaster upto 10m from ground level and at all locations in cement mortar 1:4 in two coats for masonry (except stone masonry) and concrete surfaces including, racking out joints, hacking of concrete surface, providing bands, drip moulds, grooves etc. finishing, curing, scaffolding etc complete as directed By Engineer In Charge. | Sqm | 289 | |
| R3-CS-PL-25 | Extra for every additional height of 3 m or part thereof above 10m from ground level for all types of external plastering. | Sqm | 71 | |
| R3-CS-PL-26 | Providing and applying cement plaster for band projections of 25 to 30mm thk. and 75 to 125 mm wide, with smooth/ decorative/ rough finished surface, at all heights and locations in cement mortar 1:3 for masonry (except stone masonry) and concrete surfaces including, racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. | Rmt | 128 | ** |
| R3-CS-PL-27 | Providing and applying cement plaster for band projections of 25 to 30mm thk. and 150 to 200mm wide, with smooth/ decorative/ rough finished surface, at all heights and locations in cement mortar 1:3 for masonry (except stone masonry) and concrete surfaces including, racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. | Rmt | 152 | ** |
| R3-CS-PL-28 | Providing and applying cement plaster for molded architrave of 25 to 40mm thk and 75 to 125mm wide, with smooth/ decorative/ rough finished surface, at all heights and locations in cement mortar 1:3 for masonry (except stone masonry) and concrete surfaces including, racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. | Rmt | 139 | |
| R3-CS-PL-29 | Providing and applying cement plaster for molded architrave of 25 to 40mm thk and 150 to 200mm wide, with smooth/ decorative/ rough finished surface, at all heights and locations in cement mortar 1:3 for masonry (except stone masonry) and concrete surfaces including, racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. | Rmt | 160 | ** |
| R3-CS-PL-30 | Extra for 12 to 20mm wide and 6 to 12mm in depth forming groove in 20 to 25 mm thick plaster including scaffolding, finishing, curing etc complete as directed By Engineer In Charge. | Rmt | 68 | |



Buildings Schedule/ Common Schedule 2023
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| R3-CS-PL-31 | Marking letters and numerals upto 75mm height formed of plaster projections finished with cement or neeru and three coats of cement or synthetic enamel paint of an approved tint/color and make as directed at all heights and locations including curing, scaffolding etc complete as directed By Engineer In Charge. | Rmt | 196 | |
| R3-CS-PL-32 | Marking letters and numerals more than 75mm and upto 150mm height formed of plaster projections finished with cement or neeru and three coats of cement or synthetic enamel paint of an approved tint/color and make as directed at all heights and locations including providing bands, drip moulds, grooves etc. finishing, curing, scaffolding etc complete as directed By Engineer In Charge. | Rmt | 222 | |
| R3-CS-PL-33 | Extra for providing and mixing water proofing material Conplast X4211C (Fosroc) or equivalent in cement plaster work in proportion recommended by the manufacturers. (Per bag of cement of 50 kg used in the mix.) | Per bag of cement of 50 kg used in the mix. | 12 | |
| R3-CS-PL-34 | Providing & Fixing bird wired mesh/wired fabric (12.5mm x 24 SWG) in strips of 200 mm width or as required over junctions of concrete & brick / block masonry or any other specified location at all heights including minimum 200mm overlap at all joints / junction prior to plastering, drilling, nailing etc. complete as directed By Engineer In Charge. | Sqm | 263 | |
| R3-CS-PL-35 | Extra for providing and mixing polypropylene fibers in mortar of internal and external plaster. The dose of 6mm long fibers shall be 125gms per 50 kg of cement bag or as per the manufactures specifications etc complete as directed by Engineer In Charge | Kg | 66 | |
| R3-CS-PL-36 | Providing flush pointing to block/brick masonry work at all heights and locations in cement mortar 1:2, including raking of joints upto the depth of 15mm, finishing, curing, cleaning the surface etc. complete as directed by Engineer In Charge. | Sqm | 245 | |
| R3-CS-PL-37 | Providing raised and cut pointing to block/brick masonry work at all heights and locations in cement mortar 1:2, including raking of joints upto the depth of 15mm, finishing, curing, cleaning the surface etc. complete as directed by Engineer In Charge. | Sqm | 373 | ** |
| R3-CS-PL-38 | Providing flush pointing to any kind of stone masonry work at all heights and locations in cement mortar 1:2 as specified below, including raking of joints upto the depth of 20mm, finishing, curing, cleaning the surface etc. complete as directed by Engineer In Charge. | | | ** |
| R3-CS-PL-38-a | In Cement mortar 1:1 | Sqm | 315 | |
| R3-CS-PL-38-b | In cement mortar 1:2 | Sqm | 312 | |



Buildings Schedule/ Common Schedule 2023
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| R3-CS-PL-39 | Providing raised and cut pointing to any kind of stone masonry work at all heights and locations in cement mortar 1:2, including raking of joints upto the depth of 20mm, finishing, curing, cleaning the surface etc. complete as directed by Engineer In Charge. | Sqm | 480 | ** |
| R3-CS-PL-40 | Providing tuck pointing to any kind of stone masonry work at all heights and locations in cement mortar 1:1, including, removing the old pointing, raking of joints upto the depth of 20mm, finishing, curing, cleaning the surface etc. complete as directed by Engineer In Charge. | Sqm | 332 | ** |
| R3-CS-PL-41 | Providing flush pointing or Cement pointing flush to tandoor or shahabad stone or bluestone pavement in cement mortar 1:2 etc. complete including raking of joints, finishing, curing, cleaning the surface etc. complete as directed by Engineer In Charge. | Sqm | 96 | |
| R3-CS-PL-42 | Providing and applying 12 mm thick internal plaster in cement mortar 1:4 with white cementitious wall putty (Birla white or equivalent) finish at all heights and locations for concrete surfaces including hacking of concrete surface, watering, finishing, curing, scaffolding etc. complete. | Sqm | 414 | |
| R3-CS-PL-43 | Providing and applying Plaster of Paris punning to walls, beams, ceilings, columns in perfect line and level over the base of single coat cement plaster including roughening of existing surface making 6 mm groove at skirting and door, window jamb, sill, lintel, etc. complete. The rate is exclusive of base coat cement plaster. | SQM | 318 | |
| R3-CS-PL-44 | Providing & applying synthetic plaster "Renova" in metallic finish in 4 coats, base coat to be applied using trowel and the remaining three coats to be applied by brush as per manufacturer specifications on backing coat of 16mm cement plaster (16 mm cement plaster will be paid under separate item) including cost & conveyance of all materials, labour charges, preparing the surface, scaffolding etc. complete all as directed by Engineer - in - Charge. | SQM | 2300 | |

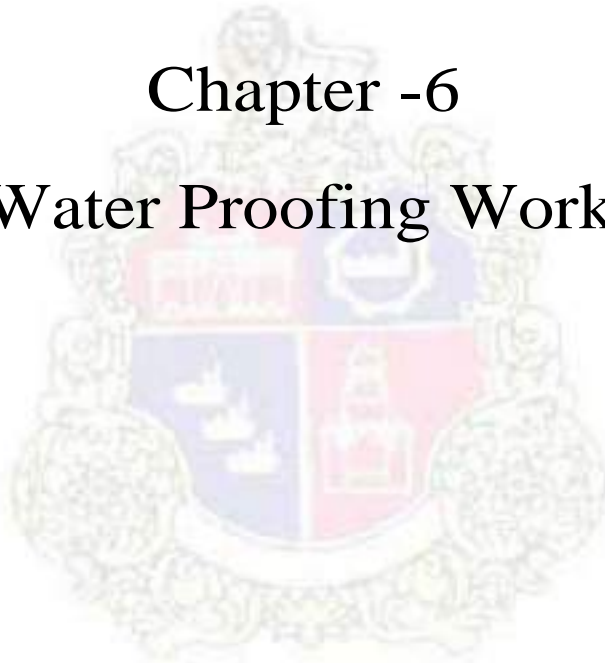


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| R3-CS-PL-45 | P&F in position Gypsum board false ceiling with 12.5mm th. Gypsum boards, screwed/ fixed to the under struct of suspended G.I. Grid const& suspended from the main ceiling of ceiling sectn at max c to c distance of 450 mm perimeter channel and intermediate channels at max c to c distance 1200 mm galvanised grid should be fixed to RF CC slab.The gypsum board should be fixed to galvanised iron grid with necessary screws.The boards should be taped and filled from underside to give smooth, seamless ceiling.The rate should include necessary additional ceiling sections and intermediate channels to be provided at openings for light fixtures, asbestos cement ducts, vertical drops, offsets etc. Additional intermediate channels should be fixed to strap hangers for additional support to prevent strapping at every 1200 mm item to be comp in all respect.(G.I. perimeter channel size-27mmx0.5mm thk.,flange-20mm &30mm,intermediate channel. size-45mm & 0.9mm thk., hanger size-25mmx0.5mm thk.)complete. | SQM | 969 | |
| R3-CS-PL-46 | Providing and Fixing Modular False Ceiling of " Armstrong /M/sHunter Douglas India/USG" make by using 600 x 600 x 15 mm thick prima fine fissured microlook mineral fibre ceiling tiles on superfine 15 mm Tee grid system suspended with the help of 2 mm prestrainedG.I.wire,etc.complete. As per Architect's Detailed Drawing & Design as directed by Engineer In Charge. | SQM | 1174 | |
| R3-CS-PL-47 | Providing and Fixing ARMSTRONG METAL FALSE CEILING with 0.5mm thick STANDARD PERFORATED METAL CLIP in tiles 600 mm x 600 mm to be suspended from slab with 2.5mm G.I. wire as per Manufacturers specification as directed by Engineer in Charge etc complete | | Deleted | |
| R3-CS-PL-48 | Providing and applying special decorative Malad crete plaster, forming the joints like Ashlar masonry in c.m. 1:3, using white cement approved pigment and crushed sand out of stones to match with the Ashlar pattern stone Khandki facing on lower floors, necessary curing and finishing with Artificial stone dressing effect all as per instruction complete. (The work to be carried out through specialized skilled masons, competent to carry out such fine finishing works) | | Deleted | |
| R3-CS-PL-49 | Rebate for not P/A neeru finish on Internal cement plaster | Sqm | 96 | |
| R3-CS-PL-50 | Providing and applying 6 mm thick internal plaster (to Celing only) in gypsum (Stuccoplaster) of approved make with neat smooth finish at all heights and locations for masonry (except stone masonry) and concrete surfaces including scaffolding, hacking of concrete surface, finishing etc. complete as per manufacturers specifications and as directed by Engineer In Charge. | Sqm | 351 | |



Chapter -6

Water Proofing Work



Buildings Schedule/ Common Schedule 2023
Water-proofing Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) |
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| R3-CS-WP | WATERPROOFING WORKS | | |
| R3-CS-WP-1 | Providing and laying integral cement based treatment for water proofing on horizontal surface at all depth below ground level for under ground structures as directed by Engineer-in-Charge and consisting of : i) 1st layer of 22 mm to 25 mm thick approved and specified rough stone slab over a 25 mm thick base of cement mortar 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound conforming to IS:2645 in the recommended proportion over the leveling course (leveling course to be paid separately). Joints sealed and grouted with cement slurry mixed with water proofing compound. ii) 2nd layer of 25 mm thick cement mortar 1:3 (1 cement: 3 coarse sand) mixed with water proofing compound in recommended proportions. iii) Finishing top with stone aggregate of 10 mm to 12 mm nominal size spreading @ 8 cum/sqm thoroughly embedded in the 2nd layer. -Using rough kota stone of size 550 mm x 850 mm | Sqm | 1480 |
| R3-CS-WP-2 | Providing and laying integral cement based treatment for water proofing on the vertical surface by fixing specified stone slab 22 mm to 25 mm thick with cement slurry mixed with water proofing compound conforming to IS:2645 in recommended proportions with a gap of 20 mm (minimum) between stone slabs and the receiving surfaces and filling the gaps with neat cement slurry mixed with water proofing compound and finishing the exterior of stone slab with cement mortar 1:3 (1 cement : 3 coarse sand) 20 mm thick with neat cement punning mixed with water proofing compound in recommended proportion complete at all levels and as directed by Engineer-in-charge : -Using rough Kota stone of size 550 mm x 850 mm | Sqm | 1893 |
| R3-CS-WP-3 | Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of : (i) 1st course of applying cement slurry @ 4.4 kg/sqm mixed with waterproofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. (ii) 2nd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. (iii) 3rd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area. (iv) 4th course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm). | Sqm | 1076 |
| R3-CS-WP-4 | Providing and Placing in position suitable PVC water stops conforming to IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before | | |
| R3-CS-WP-4-a | Serrated with central bulb (225 mm wide, 8-11 mm thick) | Rmt | 561 |
| R3-CS-WP-4-b | Dumb bell with central bulb (180 mm wide, 8 mm thick) | Rmt | 949 |
| R3-CS-WP-4-c | Kickers (320 mm wide, 5 mm thick) | Rmt | 883 |



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Water-proofing Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) |
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| R3-CS-WP-5 | <p>Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge : With average thickness of 120 mm and minimum,thickness at khurra</p> | Sqm | 1704 |
| R3-CS-WP-6 | <p>Providing and laying four courses water proofing treatment with bitumen felt over roofs consisting of first and third courses of blown bitumen 85/25 or 90/15 conforming to IS : 702 applied hot @ 1.45 Kg per square metre of area for each course, second course of roofing felt type 3 grade-I (hessian based self finished bitumen felt) and fourth and final course of stone grit 6 mm and down size or peasized gravel spread at 6 cubic diameter per square metre including preparation of surface but excluding grading complete with Bitumen felt (hessian base) type 3 grade I conforming to IS : 1322</p> | Sqm | 438 |
| R3-CS-WP-7 | <p>Providing and laying six courses water proofing treatment with bitumen felt over roofs consisting of first, third and fifth course of blown bitumen 85/25 or 90/15 conforming to IS : 702 applied hot @ 1.45, 1.20 and 1.45 Kg per square metre of area respectively, second and fourth courses of roofing felt type 3 grade I conforming to IS : 1322 (Hessian based self finished bitumen felt) conforming to IS : 1322 and sixth and final course of stone grit 6 mm and down size or pea sized gravel spread at 6 cubic dm per sqm including preparation of surface but excluding grading, complete.</p> | Sqm | 676 |
| R3-CS-WP-8 | <p>Providing and laying six courses water proofing treatment with bitumen felt over roofs consisting of first, third and fifth courses of blown or / and residual bitumen applied hot at 1.45, 1.20 and 1.70 kg per square metre of area respectively, second and fourth courses of roofing felt type 2 grade I (fibre base self finished bitumen felt) six and final courses of stone grit 6 mm and down size or pea sized gravel spread at 6cu.dm per sqm including preparation of surface, excluding grading, compete.</p> | Sqm | 772 |



Buildings Schedule/ Common Schedule 2023
Water-proofing Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) |
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| R3-CS-WP-9 | Providing and laying six courses water proofing treatment with bitumen felt over roofs consisting of first, third and fifth courses of blow or/ and residual bitumen applied hot at 1.45, 1.20 and 1.70 kg per square metre of area respectively, second and fourth courses of roofing felt type 2 grade II (glass fibre base self finished bitumen felt) and sixth and final course of stone grit 6 mm and down size or pea sized gravel spread at 6 cubic dm per sqm including preparation of surface but excluding grading, complete | Sqm | 797 |
| R3-CS-WP-10 | Supplying and applying bituminous solution primer conforming to IS 3384 on roof and or wall surface at 0.24 litre per sqm. | Sqm | 76 |
| R3-CS-WP-11 | Grading roof and toilet for water proofing treatment above slab with | | |
| R3-CS-WP-11-a | Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) | Cum | 6315 |
| R3-CS-WP-11-b | Cement mortar 1:3 (1 cement : 3 coarse sand) | Cum | 13931 |
| R3-CS-WP-11-c | Cement mortar 1:4 (1cement : 4 coarse sand) | Cum | 12661 |
| R3-CS-WP-12 | Providing and laying in situ seven course water proofing treatment with APP (Atactic poly-propylene) modified Polymeric memberane over roof consisting of first coat of bitumen primer @ 0.40 Kg per sqm, 2nd, 4th & 6th courses of bonding material @ 1.20 Kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd and 5th layers of roofing membrane APP modified Polymeric membrane 1.5 mm thick of 2.25 Kg/sqm weight consisting of five layers prefabricated with centre core as 20 micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20 micron HMHDPE film. 7th, the top most layer shall be finished with brick bats of class designation 10 grouted with cement mortar 1:3 (1cement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat (item of laying brick tiles shall be paid for separately). | Sqm | 682 |
| R3-CS-WP-13 | Providing and laying in situ five course water proofing treatment with APP (Atactic Polypropylene) modified Polymeric memberane over roof consisting of first coat of bitumen primer @ 0.40Kg per sqm, 2nd & 4th courses of bonding material @ 1.20 kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd layer of roofing membrane APP modified Polymeric membrane 2.0 mm thick of 3.00 Kg/sqm weight consisting of five layers prefabricated with centre core as 100 micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20 micron HMHDPE film. 5th, the top most layer shall be finished with brick tiles of class designation 10 grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat (item of laying brick bats shall be paid for separately). | Sqm | 481 |



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Water-proofing Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) |
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| R3-CS-WP-14 | Providing and laying in situ seven course water proofing treatment with APP (Atactic Polypropylene) modified Polymeric memberane over roof consisting of first coat of bitumen primer @ 0.40 Kg per sqm, 2nd, 4th & 6th courses of bonding material @ 1.20 kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd and 5th layers of roofing membrane APP modified Polymeric membrane 2.0 mm thick of 3.00 Kg/sqm weight consisting of five layers prefabricated with centre core as 100 micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20 micron HMHDPE film. 7th, the top most layer shall be finished with brick bats of class designation 10 grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat (item of laying brick tiles shall be paid for separately). | Sqm | 722 |
| R3-CS-WP-15 | Providing and fixing APP (Atactic Polypropylene Polymer) modified prefabricated five layer 2 mm thick water proofing membrance, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrance manufacture of density at 25°C, 0.87 - 0.89 kg/ litre and viscocity 70 - 160 cps. Over the primer coat the layer of membrance shall be laid using Butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrance shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/ 5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrance not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrance shall be got done through the authorised applicator of the manufacture of membrance. 22.18.1 2mm (for corrugated roof sheets) | Sqm | 391 |
| R3-CS-WP-16 | Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing membrance, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrance manufactured of density at 25°C, 0.87 - 0.89 kg/litre and viscocity 70 - 160 cps. Over the primer coat the layer of membrance shall be laid using butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrance shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrance not less than 150°C. Cold flexibility shall be upto - 2°C when tested in accordance with ASTM, D - 5147. The laying of membrance shall be got done through the authorised applicator of the manufacturer of membrance : | Sqm | 443 |



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Water-proofing Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) |
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| R3-CS-WP-17 | Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3 mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ litre and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc, and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 650/ 450N/5cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane 22.20.1 3 mm thick | Sqm | 459 |
| R3-CS-WP-18 | Extra for covering top of membrane with Geotextile, 120 gsm non woven, 100% polyester of thickness 1 to 1.25 mm bonded to the membrane with intermittent touch by heating the membrane by Butane Torch as per manufactures recommendation | Sqm | 115 |
| R3-CS-WP-19 | Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) including water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. | Sqm | 366 |
| R3-CS-WP-20 | Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) including water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. | Sqm | 441 |
| R3-CS-WP-21 | Applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil. | Sqm | 159 |
| R3-CS-WP-22 | Providing and filling AAC bats (of size 40-60 mm) with cement mortar mixed in the ratio 1:3:6 (1 cement : 3 coarse sand : 6 block bats) including mixing of approved water proofing compound in recommended proportion for W.C., bath and kitchen. The laid brick bat mix shall be well rammed and compacted as required. Further surfaces shall be screeded with cement concrete mix 1:1.5:3 (1 cement : 1.5 coarse sand : 3 stone grit of size 6 mm and below by volume) admixed with approved integral water proofing compound in recommended proportion, laid to an average thickness of 25mm and finished smooth or ready to receive finish material as specified. Care shall be taken prior to filling all pipes passing through sunk portion such that the pipes are pressure tested by maintaining pressure for 24 hours and junctions of pipes passing through walls, slabs are well grouted and sealed. This shall be tested by ponding water for required depth and maintaining for 7 days.(Rate includes cost of brick bats, cement mortar, top screed, labour charges for working at all levels, leads and heights). For payment the area of sunken slab and the depth of filling including the thickness of screed shall be measured. | Cum | 16963 |



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Water-proofing Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) |
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| R3-CS-WP-23 | Waterproofing the terrace slabs with average 100 mm thick, brick bats laid in cement mortar bed 1:4 filled with mortar 1:4 of total thickness 100 mm, laid to slope (1:100) with vata 15 cm, at the junction of walls and IPS flooring (1:2:3) 40 mm thick with admixture, of approved water proofing compound, as per manufacturers specification laid after grouting the slab, finishing curing etc. complete as directed and specified. (Horizontal measurement clear between walls will be paid for). | Sqm | 1158 |
| R3-CS-WP-24 | Do with broken China mosaic flooring instead of IPS set in cement mortar (1:4) 40 mm thick | Sqm | 1418 |

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| R3-CS-WP-25 | Providing and installing crystalline waterproofing treatment to inside surfaces of the water retaining structures | Sqm | 2576 |
| | VERTICAL SURFACES : | | |
| | a) Treatment shall consist of preparation of surfaces including 'V' grooves at junctions and joints, pressure grouting the same and curing for specified period. | | |
| | b) Applying two coats of approved crystalline waterproofing compound at specified intervals as recommended by manufacturer and as directed by Engineer-in charge and allowed to cure. | | |
| | c) Extra for Plastering of walls and finishing smooth with 15 mm thick cement mortar 1:4 (1 cement : 4 fine sand) admixed with approved waterproofing compound in recommended proportions. | | |
| | HORIZONTAL SURFACES : | | |
| | d) Extra for Laying of 30 mm average thick cement concrete of mix 1:2:4 (1 cement : 2 coarse sand : 4 coarse aggregate of 12.5mm nominal size) admixed with approved waterproofing compound in recommended proportions, on floors to required gradient, including rounding of corners / junctions with walls and floors etc., and finished smooth and cured. | | |
| | Tank shall be tested by filling with water for required depth and maintaining it for 72 hrs. for checking the leakages. The rate includes giving 10 year guarantee for waterproofing on a Rs.100/- stamp paper in approved proforma. | | |
| R3-CS-WP-26 | Providing & applying membrane waterproofing treatment to podium / landscape area consisting of following operations: | Sqm | 2340 |
| | a) Cementitious based chemical waterproofing coating (two or more coats) of approved make, including preparation of surfaces to receive chemicals, treatment and curing. | | |
| | b) Light weight concrete of density 450 kg/cum (for non traffic area) and of minimum 75 mm thickness at draining point and rest area sloped to drain water as detailed in drawing. | | |
| | c) Slope shall be developed with required density mix to suite the type of traffic expected. | | |
| | d) 3.0 mm thick APP Polymer modified polyester black finished reinforced with glass fibre matt sheet, laid over a coat of bitumen primer having density 0.87-0.89 kg/litre and Viscosity 70- 160cps at 25 degrees C, @ 0.4 litre / sqm. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc., and preparing the surface to receive top protective coat, complete. | | |



Water-proofing Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) |
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| | e) Top protective layer comprising of 30 mm thick water proof screed in 1:4 cement mortar mix (1 Cement :4 Coarse sand) admixed with approved water proofing compound as specified by the manufacturer or as directed by E-I-C, spread over entire terrace area and finished to receive Architectural finish. | | |
| | f) The vertical vertical surfaces shall be plastered with 12 mm thick cement mortar 1:4 (1 Cement :4 Fine sand). | | |
| R3-CS-WP-27-a | Waterproofing the terrace slab and staircase roof slab with average 100 mm thick concrete of broken brick bats and cement mortar (1:4) in the proportion of 2 parts of brick bats and 1 part of mortar, laid in proper slope (1:100) well rammed, watered and consolidated with vata 15 cm at junction of walls and Indian patent stone flooring 1:2:3 (12.5 mm chips) 40 mm thick and with admixture of approved water proofing compound as per manufacturers specifications laid after grouting the surface of brickbat coba with neat cement slurry in alternate suitable squares to required slope as directed including filling in joints with bitumen and cleaning the slab top of all dust and loose material; tamping, finishing and curing complete as directed and specified. (Horizontal measurements clear between walls will be paid for). | Sqm | 1635 |
| | NOTE: (1) Expansion joints to be provided for the full depth. (2) Expansion joints to be so provided that the area of each bay doesnot exceed 10 Sqm | | |
| R3-CS-WP-27-b | Do -- 100 mm thick I.P.S. flooring without brick bat concrete. | Sqm | 1134 |
| R3-CS-WP-28-a | Waterproofing the slab of terrace, bathrooms sanitary blocks etc. with a layer not less than 1.5 mm thick of heated bitumen 20/30 penetration applied in 2 or 3 coats, after thoroughly brushing and cleaning the slab including painting the vertical portion of the side walls upto the level of the finished terrace or floor surface. | Sqm | 401 |
| R3-CS-WP-28-b | Do -- with heated tar and pitch. | Sqm | 322 |
| R3-CS-WP-29 | Providing waterproofing treatment to terrace slab and laying flooring of broken marble mosaic tiles of plain finish of required size laid on 38mm to 50 mm thick 1:2 Cement Mortar bedding after grouting with neat cement 100 mm thick (average) bedding of concrete made of 2 parts of broken brick bats to 1 part of cement mortar laid to proper gradient 1:100 and 150 mm half round vata in 1:2:4 c.c. with necessary plaster in 1:3 C.M. at the junction with walls and the required number of expansion joint as per the directions etc. complete. The rate also includes watering, tamping, curing and cleaning the top of all dust, loose materials, stains, and machine polished etc. complete as directed. (Horizontal measurements clear | Sqm | 1560 |
| | Note : The layer of 100 mm thick average brick bat coba shall be laid in required slopes in proportion of two parts of broken bricks bats and one part of cement mortar 1:5 on slab. Over the brick bat coba, 30 mm to 38 mm thick lime mortar in proportion of 1 part of lime to 2 parts of sand shall be laid as bedding for fixing broken marble mosaic | | |



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Water-proofing Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) |
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| R3-CS-WP-30 | Providing water proofing treatment to New terrace after cleaning the surface by giving „INJECTIONS“ to the terrace slab wherever required with necessary water proofing compound and cement solution as per specifications so as to fill up all the inherent holes cavities, voids, honeycomb etc. making the whole structure consistent and homogeneous resistant to water leakage seepage, dampness and moisture etc. Brickbat waterproofing coba in 1:5 C.S. mortar as per specifications shall be laid over R.C.C.Slab with necessary gradient for easy flow of rain water. This treatment shall continue along the inner side of parapet of other adjoining wall upto height of about 30cm. in the shape of round vata. Finally the top surface shall be covered with joint less waterproofing plaster 1: 4 C.S. 12 mm to 15 mm in thickness as per specifications of specialized waterproofing Co. finished smooth with trowel in cement colour marked in 30 cm x 30 cm false squares. The average thickness of complete treatment shall be 100 mm. The surface shall be rendered hard and tough to withstand the weather, normal domestic use. The rate is inclusive of the cost of watering, tamping, curing and cleaning the top of all dust, loose materials, stains etc. complete as directed. Debris shall become contractor's property. The finished terrace surface shall be ponded for a period of 10 days to test for any leakage without any extra cost. Clear horizontal measurement between walls will be paid for actual | Sqm | 1435 |
| R3-CS-WP-31 | Extra for providing additional thickness of brickbats over 100 mm in 1:5 c.s. either due to location of rain water pipes or due to increase in the travel length of flow of rain water or brick bats required in the sunk portion of baths, W.C.s nahani etc. The rate includes for fixing brickbats in C.M., with waterproofing compound as per specification as directed. | Cum | 10101 |
| R3-CS-WP-32-a | Providing the waterproofing treatment as per item no CS-WP-30 but for existing terrace after removing the old brick bat coba, tiling work etc. completely so as to expose the R.C.C. slab surface and cleansing the same. The rate is inclusive of removing the debris from actual place of work to the ground and from there the same will have to be carted away immediately the debris will become contractors property and no extra payment will be made for removing and carting. [Injection treatment shall be given as per item no. CS-WP-45 | Sqm | 1496 |
| R3-CS-WP-32-b | Providing waterproofing treatment as per Item No.CS-WP-32-a with Broken China mosaic flooring as per design. | Sqm | 1764 |
| R3-CS-WP-33 | Providing waterproofing treatment from outside to basement lift-pits and other under ground structures during construction. The treatment shall be started after the P.C.C. bedding for the base slab or raft slab is laid. On the P.C.C. bedding a waterproofing layer based on cement with rough shahabad stones of 20 to 25 mm thick well pointed in the joints with 1:3 C.S. 40 mm thick for floors and 20 mm thick for sides with cement float and water proofing compound as per specifications shall be laid. Then the surface shall be superimposed by regular R.C.C. raft or base slab as per design. After completion of the raft / base slab and side walls the treatment of waterproofing layer shall be continued along the outer surface of the walls upto a height of 30 cm above the adjacent ground level. (The excavation of the side around the walls shall be filled with soft earth by the contractor). The total thickness of the treatment shall be 65 mm to 75 mm for floors and 32 mm to 38 mm for walls. | Sqm | 1601 |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) |
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| | Note: (a) Where no space is available on the outer side of the walls, the following procedure shall be adopted :- Brick masonry walls of adequate strength shall be provided by the contractors at the outside level of the walls of basement. The treatment shall then be done as described above for flooring and on the inner face of the brick masonry upto a height of 30 cm above adjoining ground level. The surface shall then be superimposed by regular R.C.C.raft slab and walls. The thickness of the treatment for floor and walls shall be same as stated above. | | |
| | (b) As regards pile caps , footings, The treatment shall be done by providing plain cement concrete bedding in the bottom by the contractor. Over this, brick masonry of adequate thickness shall be provided by the contractor around pile caps, footings, columns and plinth beams upto the top level of the P.C.C. bedding of the main floor. The waterproofing treatment shall then be provided over the P.C.C. bedding of the floor and the inner faces of the brick masonry walls. The treatment shall be turned over the top of brick masonry wall and continued over the P.C.C. of the main basement floor. Other details shall remain as before. | | |
| | (c) The payment for brick masonry, concrete walls and their foundation constructed to receive the waterproofing treatment will be made separately under the respective items of the tender. | | |
| | (d) The payment for waterproofing treatment shall be on the basis of the actual area of the treatment. | | |
| R3-CS-WP-34 | Providing water proofing treatment to existing RCC overhead tank, basements, lift-pits and other underground structures. The treatment shall be done by giving INJECTIONS wherever necessary with waterproofing compound and cement solution as per tenderer"s specifications into the floor & walls upto the full height of structures. All inherent holes, cavities, voids & honeycomb shall be filled up to make the structure consistent, homogenous resistant to water breakages, seepage, dampness and moisture etc. The floor shall then be treated with waterproofing metal coba of 30 mm to 35 mm thick in 1:4 C.S. mortar and walls with first coat of waterproofing plaster as per tenderer"s specifications. Finally both floor and walls shall be finished smooth with jointless waterproofing plaster 1:3 C.S. 12 mm to 15 mm thick with water proofing materials as per tenderer"s specifications in cement or finished rough to receive tile pavement or dado. The thickness of the treatment shall not be less than 50 mm to 60 mm for floors and 25 mm for walls. (The actual area of the | Sqm | 1609 |
| R3-CS-WP-35 | Extra over the rate for item No.CS-WP-34 for removing the old plaster and floor finishing completely so as to expose the original surface to receive the treatment including carting away debris etc. complete. | Sqm | 153 |
| R3-CS-WP-36 | Extra rate for removing brick bat coba more than (4") 100 mm thick including carting away the same and from the actual place of work to any other site and making the site clear as directed. The debris will become contractor's property. | Cum | 1564 |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) |
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| R3-CS-WP-37 | Providing waterproofing treatment through specialized agencies as per their specifications to the flooring of water closets, bathrooms, kitchen, nahanies, washing places, sanitary blocks etc. by giving INJECTIONS with cement solution with water proofing compound into the floor slab so as to make it consistent, homogeneous and impervious against leakage, seepage etc. The sunk portion shall then be covered with brickbat waterproof coba in 1:5 c.s. of required thickness with necessary gradient for easy flow of water. Finally the floor shall be covered with joint less waterproof cement plaster in 1:3 c.s. 12 mm to 15 mm thick finished rough for receiving tiles. The average thickness of complete treatment shall not be less than 100 mm. The soil pan area will not be deducted. (After completion of work leakage test shall be carried out after impounding the water for 7 days without any extra cost. The actual treated area will be measured and paid for). | Sqm | 619 |
| R3-CS-WP-38-a | Providing waterproofing treatment through specialized agencies to the dado portion of the R.C.C. side walls upto 1.5 m height from floor area of water closets, bath-rooms, kitchens, washing places, sanitary blocks etc. by giving „INJECTIONS“ treatment with waterproofing compound and cement solution. The walls will then be plastered with waterproof cement plaster in 1:4 c.s. 12 mm to 15 mm thk. Finally the walls shall be covered with jointless waterproof plaster in 1:3 c.s. 12 to 15 mm thick finished rough for receiving tiles. The average thickness of complete treatment shall not be less than 25 mm. (The actual treated area will be measured and paid for). | Sqm | 924 |
| R3-CS-WP-38-b | Do- -Do- brickwall without injection treatment. | Sqm | 539 |
| R3-CS-WP-39 | Providing the waterproofing treatment as per item no.CS-WP-38 but to the flooring of existing water closets, bathrooms, kitchen, nahanies, washing places, sanitary blocks etc. after removing existing flooring and brickbat coba etc. (The soil pan area will not be deducted. After completion of work leakage test shall be carried out after impounding the water for 7 days without any extra cost. The actual area treated including soil pan area will be measured and paid for). | Sqm | 1474 |
| R3-CS-WP-40 | Providing waterproofing treatment through specialized agencies as per item no. CS-WP-39 but to the dado portion of existing water closets, bathroom, kitchens, wash places, sanitary blocks etc. by removing existing plaster and tiles etc. (The actual area treated will be measured and paid for).Take rebate of Rs.100/- Sqm if existing wall is brickwall | Sqm | 1077 |
| R3-CS-WP-41 | Providing Waterproofing treatment as per item No. CS-WP-40 to the brickwall of existing water Closets, bathroom, kitchens, washing places, sanitary blocks etc. by removing existing plaster and tiles etc. | Sqm | 2101 |
| R3-CS-WP-42 | Providing waterproofing treatment to the side walls (brick masonry of rubble) of basement with single layer of rough Shahabad stone about 12 mm to 18 mm in thickness well pointed in the joints with cement paste and waterproof compound as per tender's specifications including grouting the portion behind the Shahabad tiles and finishing the surface of Shahabad tile with cement plaster medium smooth c.s. 1:3 about 10 to 12 mm. thickness. The total thickness of the treatments should be about 25 mm to 38 mm. (The actual area treated will be | Sqm | 1365 |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) |
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| R3-CS-WP-43 | Providing waterproofing treatment to existing R.C.C. walls or columns of basement by giving „ INJECTIONS“ wherever necessary with waterproofing compound and cement solution as per tender"s specifications into the R.C.C. walls or columns upto 30 cm height above ground level structures after removing existing plaster / finish etc complete. All inherent holes, cavities, voids and honey combs shall be filled upto make the structure consistent, homogenous, resistant to water leakage, seepage dampness and moisture etc. The columns or walls shall then be treated with first coat of waterproof plaster in 1:3 C.S. plaster 12 to 15 mm thick as per tender"s specifications. Finally the walls or columns shall be finished smooth with jointless waterproof plaster in 1:3 C.S. plaster medium smooth 12 to 15mm thick with waterproofing materials as per tender"s specifications in cement colour. The thickness of the treatment shall not be less than 25 mm. (The actual area treated will be measured | Sqm | 2934 |
| R3-CS-WP-44 | Water proofing treatment to the chajja after removing old plaster and roughening the surface and finishing the top surface with 20mm thk. 1:2 c.s. plaster with approved water proofing compounds and neat cement finish, the rate also includes for 1:3 c.s. facia of chajja to match the new surface(actual area treated will be paid). | Sqm | 394 |
| R3-CS-WP-45 | Providing waterproofing treatment to the existing terrace/top slab at any floor level (including slab portion beneath overhead water tank) by | | |
| | 1. Removing the existing top layer of the terrace/top slab upto the top of existing brick bat coba without causing any damage to any of the structural member and cleaning the same of any loose material etc. complete as directed. | | |
| | 2. Dividing the total slab area by marking grid at a spacing of 1.2m. c/c in either direction and form square panels of the size 1.2 m. x 1.2 m. and drilling the holes (by using machine) 37 mm. to 50 mm. dia upto required depth in the R.C.C. slab in staggered form at the junction of the above marked grid as specified and directed by an Engineer in charge. | | |
| | 3. Filling the holes only at bottom portion with 10 mm size metal, inserting the grouting nozzle in the drilled hole for grouting and making the hole watertight by filling the gap between nozzle and the hole with cement mortar 1:1 or any other suitable material as a sealant. | | |
| | 4. Injecting the cement grout admixed with waterproofing compound (one part of cement to 2 parts of water is recommended; initially richer mix which is possible but for further grouting leaner mix is required for filling smaller voids, mix should not be leaner than 1 cement:5 water) with required pressure (as per site conditions) by grout pump so as to seal all inherent holes, honey combs, cavities and voids and making the whole structures consistent and homogeneous solid mass resistant to seepage, dampness, moisture and leakage of water, allowing the grout to overflow from the vent holes (i.e. holes at diagonally opposite corners), to ensure no pockets left. | | |
| | 5. Taking holes one by one in the staggered form for grouting purposes and in each case holes at the diagonally opposite end will be acting as vent holes. | | |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) |
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| | 6. Filling the entire area by 15 cm. deep water for ponding test. The ponding test shall be checked after 7 days by the officer of the rank not below Executive Engineer along with Zonal Executive Engineer to ensure that there is no leakage found. The certificate to this effect shall be given by the concerned engineer. | | |
| | 7. Repeating step 4 to 6 until the entire structure is found completely waterproof, if any leakage is found | | |
| | 8. Laying the flooring of broken China-mosaic (broken pieces of China glazed tiles) of approved colour set in 25 mm. average bed of C.M. 1:3 with waterproofing compound to correct level and slope (1:100) well compacted and finished; such that minimum coverage of China mosaic chips is about 90% of the total area of slab. The above treatment shall continue along the inner side of parapet or the adjoining wall upto 30 cm. high as per the above specifications regarding cement mortar in shape of round vata with necessary groove etc. complete. | | |
| | 9. Curing the flooring continuously for minimum ten days so as to render the surface hard and tough to withstand weather and normal domestic use. | | |
| | 10. Cleaning the slab and removing and carting the debris;cleaning the top of all dust, loose material,stains etc. complete as directed. | Sqm | 1347 |
| | NOTES : 1. No extra payment will be made for brickbat concrete if any, required to fill up the voids which are developed in the process of removing top layer. If there are any such voids; the same shall be filled up with brick bat concrete so that levelled surface is at a correct level and slope is available for laying China mosaic flooring. | | |
| | 2. The finished terrace surface shall be paid for the actual area treated including cement vata. | | |
| R3-CS-WP-46 | Providing waterproofing treatment to the part portion of the existing (old building) terrace/ top slab at any floor level including slab portion beneath overhead water tank by: | | |
| | 1. Dividing the part portion of the existing slab area taken for grouting by marking grid at a spacing of 1.2 m. c/c in either direction and form square panels of the size 1.2 m. x 1.2 m. and drilling the holes (by using machine) 37 mm. to 50 mm. dia upto required depth in the R.C.C. slab in staggered form at the junction of the above marked grid as specified and directed by an Engineer in charge. | | |
| | 2. Filling the holes only at bottom portion with 10 mm size metal, inserting the grouting nozzle in the drilled hole for grouting and making the hole watertight by filling the gap between nozzle and the hole with cement mortar 1:1 or any other suitable material as a sealant. | | |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) |
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| | 3. Injecting the cement grout admixed with waterproofing compound (one part of cement to 2 parts of water is recommended), by giving injection under pressure. This proportion may be changed to leaner or richer mix as per requirement at site and the process of grouting as the capillaries present in the slab get filled by cement grout then for further grouting leaner mix (not less than 1:5 may be required for further grouting) admixed with w/p compound with required pressure not less than 0.3 kg/sq.cm by grout pump so as to seal all inherent holes, honey combs, cavities and voids and making the whole structures consistent and homogeneous solid mass resistant to seepage, dampness, moisture. When the portion of the slab covered by a hole is completely filled up with grout, allow sufficient quantity of grout to overflow from the vent holes (i.e. holes at diagonally opposite corners will act as vent hole), to ensure no air pockets left. | | |
| | 4. Taking holes one by one in the staggered form for grouting purposes and in each case holes at the diagonally opposite end will be acting as vent holes. | | |
| | 5. Filling the entire area by 15 cm. deep water for ponding test. The ponding test shall be checked after 7 days by the officer of the rank not below Executive Engineer along with Zonal Executive Engineer to ensure that there is no leakage found. The certificate to this effect shall be given by the concerned engineer. | | |
| | 6. Repeating step 2 to 5 until the entire structure is found completely waterproof. | | |
| | 7. Sealing the holes with suitable type of sealant material and curing the slab for 10 days and cleaned. The rate includes watering, tapping curing, and cleaning the top of all dust, loose materials stains etc. complete as directed. | Sqm | 364 |
| | NOTE : The part portion of terrace slab shall be paid for actual area treated. | | |
| R3-CS-WP-47 | Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry. | Sqm | 447 |
| R3-CS-WP-48 | Providing and laying water proofing treatment on roofs slabs by applying cement slurry mixed with water proofing cement compound consisting of applying: a) after surface preparation, first layer of slurry of cement @ 0.488kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around. d) fourth and final layer of brick bat with cement mortar(which will be paid for separately). For the purpose of measurement the entire treated surface will be measured. | Sqm | 558 |



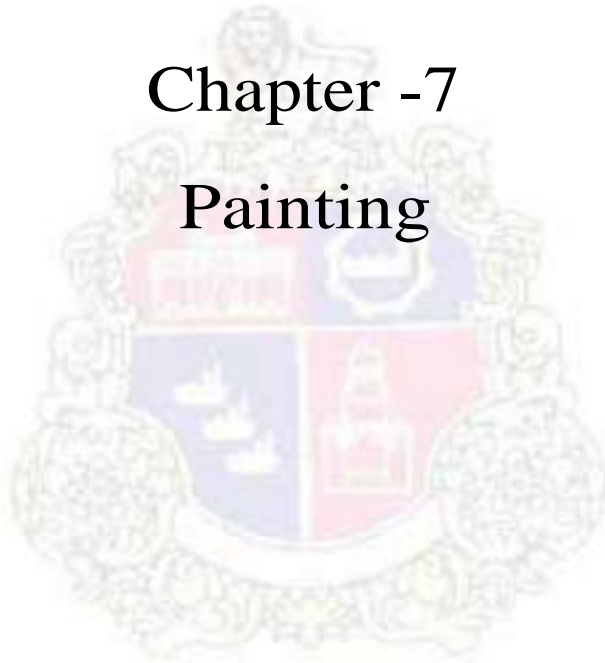
Buildings Schedule/ Common Schedule 2023
Water-proofing Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| R3-CS-WP-49 | Providing & Making Waterproofing Treatment to the Chajja by finishing top surface with 20 mm thick 12 C.M. plaster with addition of approved water proofing compound as per manufacturers specifications and neat cement finish,including drip moulding at edge ,at bottom of chajja & cement vatta above chajja along the junction with wall etc complete. as per FMB item No. 5.22 but for new surfaces& as directed by the Engineer-In-Charge. | Sqm | 496 |



Chapter -7

Painting



| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------------|
| R3-CS-PN | PAINTING WORKS | | | |
| | <p>Note:-</p> <p>1) Rates of all the items in painting section are inclusive of staging or scaffolding wherever necessary of any height for internal painting and upto 10m height from ground level for external painting. Refer separate item for additional external painting work above 10m from ground level.</p> <p>2) The manufacturer's representative should be present when the work of waterproof cement paint is being carried out and guide to the labour staff of the contractors as regards the proportion of the mix of paint and water and method of applying the paint etc. is concerned.</p> <p>3) The contractors must produce a certificate from the manufacturers that the work is carried out satisfactorily under the supervision of representative of the manufacturers and that requisite quality and quantity of cement paint as being actually used on the particular work and that the entire work has been carried out in a satisfactory and workmen like manner.</p> | | | |
| R3-CS-PN-1 | Providing and applying three coats of White/colour wash to any surface with lime wash prepared from quick lime of best quality by adding blue/colour pigments and glue of approved colour, quality in required quantities at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting with broom, coir and sand paper if necessary or by any other approved means etc. complete as directed by Engineer-in-charge. | Sqm | 57 | |
| R3-CS-PN-2 | Providing and applying first single coat of approved primer and two coats of dry distemper paint (water bound distemper) of an approved make and colour as per manufacturers specifications to any surface, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting with broom, coir and sand paper if necessary or by any other approved means, etc. complete as directed by Engineer-in-charge. | Sqm | 114 | |
| R3-CS-PN-3 | Providing and applying first single coat of approved primer and two coats of acrylic distemper (oil bound distemper) of an approved make and colour as per manufacturers specifications to any surface, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting with broom by any approved means, etc. complete as directed by Engineer-in-charge. | Sqm | 123 | |
| R3-CS-PN-4 | Providing and applying first single coat of approved primer and two coats of synthetic enamel paint/flat oil paint of an approved make and colour as per manufacturers specifications to surfaces specified below, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in-charge. | | | |



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|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|----|
| R3-CS-PN-4-a | For plastered wall surface | Sqm | 187 | |
| R3-CS-PN-4-b | For woodwork | Sqm | 172 | |
| R3-CS-PN-4-c | For steelwork | Sqm | 170 | |
| R3-CS-PN-5 | Providing and applying first single coat of approved primer and two coats of acrylic plastic emulsion paint of an approved make and colour as per manufacturers specifications to any surface, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in-charge. | Sqm | 147 | |
| R3-CS-PN-6 | Providing and applying first single coat of approved primer and two coats of luster paint of an approved make and colour as per manufacturers specifications to any surface, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in-charge. | Sqm | 148 | ** |
| R3-CS-PN-7 | Providing and applying single coat of an approved make primer for waterproof cement paint as per manufacturers specifications to the smooth surface, upto 10m height from ground level and at all locations as directed including preparing surfaces for painting by any approved means, scaffolding, cleaning and curing etc. complete as directed by Engineer-in-charge. | Sqm | 69 | |
| R3-CS-PN-8 | Providing and applying first single coat of approved primer and two coats of waterproof cement paint of an approved make and colour as per manufacturers specifications to any surface, upto 10m height from ground level and at all locations as directed including preparing surfaces for painting by any approved means, scaffolding, cleaning and curing etc. complete as directed by Engineer-in-charge. | Sqm | 228 | |
| R3-CS-PN-9 | Providing and applying two coats of waterproof cement paint of an approved make and colour as per manufacturers specifications to smooth sand faced or other surfaces, upto 10m height from ground level and at all locations as directed including preparing surfaces for painting by any approved means, scaffolding, cleaning and curing etc. complete as directed by Engineer-in-charge. | Sqm | 159 | |
| R3-CS-PN-10 | Providing and applying first coat of approved Waterproof primer, and two coats of waterproof acrylic based textured exterior paint of an approved make and colour as per manufacturers specifications to textured sand faced or other surfaces, upto 10m height from ground level and at all locations as directed including preparing surfaces for painting by any approved means, scaffolding, cleaning and curing etc. complete as directed by Engineer-in-charge. | Sqm | 236 | ** |



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|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|----|
| R3-CS-PN-11 | Providing and applying first coat of approved waterproof primer, one coat of waterproof acrylic based textured exterior paint of an approved make and colour as per manufacturers specifications to textured sand faced or other surfaces, upto 10m height from ground level and at all locations as directed including preparing surfaces for painting by any approved means, scaffolding, cleaning and curing etc. complete as directed by Engineer-in-charge. | Sqm | 151 | ** |
| R3-CS-PN-12 | Providing and applying first single coat of approved primer and two coats of anti-algal, anti-fungal, exterior paint as specified below of an approved make and colour as per manufacturers specifications to any surface, upto 10m height from ground level and at all locations as directed including preparing surfaces for painting by any approved means, scaffolding, cleaning and curing etc. complete as directed by Engineer-in-charge. | | | |
| R3-CS-PN-12-a | By using acrylic based exterior paint | Sqm | 212 | |
| R3-CS-PN-12-b | By using acrylic based exterior paint with silicone additives | Sqm | 221 | |
| R3-CS-PN-13 | Extra over item no. CS-PN-1 and CS-PN-2 for preparing the old surface for white/colour wash or dry/water bound distemper including scrapping the old paint with wire brush, blades or sand papers upto original surface, filling in the cracks and loose patches etc. with C.M 1:3 etc. complete as directed. | Sqm | 13 | |
| R3-CS-PN-14 | Extra over item no. CS-PN-3 to CS-PN-6 for preparing and finishing plastered wall surfaces / concrete surfaces, steel or wood surfaces in line and level for acrylic (oil bound) distemper/ synthetic enamel paint or plastic emulsion paint by scrapping/removing the old paint if any with wire brush or blades and rubbing, with sand papers as required, filling in cracks in cement mortar 1:3, applying the whole surface with mixture of whiting powder or plaster of paris and double boiled inseed oil of premium quality or second quality synthetic enamel paint, filling the cracks with premium quality putty or hard glue in case of woodwork, rubbing down and even up the surface by any approved means etc. complete as directed by Engineer-in-charge. | Sqm | 20 | |
| R3-CS-PN-15 | Extra over item no. CS-PN-7 to CS-PN-12 on exterior painting work of height more than 10 m from ground level for additional height of 3m or part thereof. | Sqm | 25 | |
| R3-CS-PN-16 | Lettering or numbering of 40 mm to 50mm height with paint specified below in any approved colour, style and pattern, including french polishing or synthetic enamel painting the back ground with three coats of approved colour etc. complete as directed by Engineer-in-charge. With synthetic enamel / oil paint other than golden colour or golden color | No | 36 | |
| R3-CS-PN-17 | Lettering or numbering of 65 mm to 75mm height with synthetic enamel paint in any approved colour, style and pattern, including french polishing or synthetic enamel painting the back ground with three coats of approved colour etc. complete as directed by Engineer-in-charge. | | | |
| R3-CS-PN-17-a | With synthetic enamel / oil paint other than golden colour | No | 46 | |
| R3-CS-PN-17-b | With synthetic enamel / oil paint of golden colour | No | 46 | |

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|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-------|
| R3-CS-PN-18 | Providing and applying first single coat of approved primer and two coats of synthetic enamel paint/flat oil paint of an approved make and colour as per manufacturers specifications to the W.I / G.I. or M.S. pipes of electric, gas or roof rain water down takes and fittings etc. as specified below, at all height and locations as directed including scaffolding, scraping, cleaning old paint and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in-charge. | | | |
| R3-CS-PN-18-a | For pipe upto 25mm dia. | Rmt | 18 | |
| R3-CS-PN-18-b | For pipe upto 50mm dia. | Rmt | 21 | |
| R3-CS-PN-18-c | For pipe more than 50mm dia. and upto 75mm | Rmt | 25 | |
| R3-CS-PN-18-d | For pipe more than 75mm dia. and upto 100mm | Rmt | 32 | |
| R3-CS-PN-18-e | For pipe more than 100mm dia. and upto 150mm | Rmt | 43 | |
| R3-CS-PN-19 | Providing and applying first single coat of approved primer and two coats of aluminum paint of an approved make as per manufacturers specifications to any surfaces, at all height and locations as directed including scaffolding, scraping, cleaning and removing old paint if any and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in-charge. | Sqm | 118 | |
| R3-CS-PN-20 | Providing and applying first single coat of approved primer and two coats of rubber chlorinated paint of an approved make as per manufacturers specifications to any surfaces, at all height and locations as directed including scaffolding, scraping, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in-charge. | Sqm | 149 | |
| R3-CS-PN-21 | Providing and applying first single coat of approved primer and two coats of fire retarding paint of an approved make as per manufacturers specifications to any surfaces, at all height and locations as directed including scaffolding, scraping, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in-charge. | Sqm | 344 | ** ** |
| R3-CS-PN-22 | Providing and applying first single coat of approved primer and three coats of fire retarding paint of an approved make as per manufacturers specifications to any surfaces, at all height and locations as directed including scaffolding, scraping, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in-charge. | Sqm | 454 | ** ** |
| R3-CS-PN-23 | Providing and applying first single coat of approved primer and two coats of synthetic enamel paint/flat oil paint of an approved make and colour as per manufacturers specifications to the metal purlins not more the 150mm in height, at all height and locations as directed including removing the existing paint by burning, cleaning, preparing the surface for painting etc. complete as directed by Engineer-in-charge. | Rmt | 96 | |

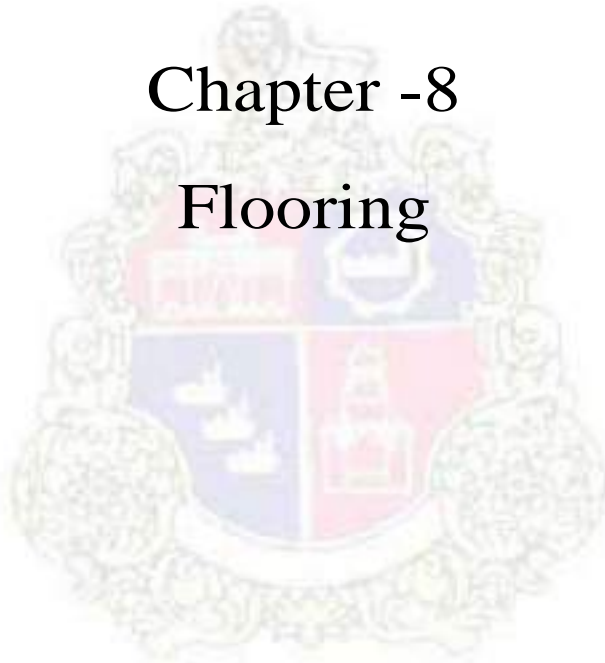


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|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------|-----|
| R3-CS-PN-24 | Providing and laying 2mm thick antifungal self levelling Epoxy flooring on concrete substrate including coving at floor wall junction & including necessary surface preparation using cleaning, dedusting, applying suitable primer including Aisle or zone marking in different colours etc. complete as per manufacturers specifications and as directed by Engineer In Charge. | Sqm | 1,122 | ** |
| R3-CS-PN-25 | Providing and applying antifungal self leveling 3mm EPU system including coving at floor wall junction, necessary surface preparation by cleaning and de-dusting. The System shall be executed in three stages, firstly by applying a solvent free epoxy primer which has a volumetric ratio of mixing @ 200 microns dft, then laying 1.8mm self leveling epoxy based screed and finally applying a solvent free EPU (epoxy-polyurethane), self leveling coating to yield a dft of 1000 microns. The EPU coating shall be a two component with volumetric ratio of mixing. No fillers shall be added at the site while laying the self leveling EPU including Aisle or zone marking in different colours etc. complete as per manufacturers specifications and as directed & approved by Engineer In-Charge. | Sqm | 1,324 | *** |
| R3-CS-PN-26 | Providing and applying synthetic enamel paint or flat oil paint in any required shade in 3 coats over a primer coat as per manufacturers specifications including scrapping, cleaning the surface etc. Complete. | SQM | 197 | |
| R3-CS-PN-27 | Providing and applying one coat of approved silicate based primer with roller / brush and one coat of granite textured exterior paint of an approved make with spray to get designed finish with two coats of lacquer in approved finish shade of thickness 2-2.5mm as per approved manufacturers specifications to textured sand faced or other surfaces, at all heights and locations as directed including preparing surfaces for painting by any approved means, watering, scaffolding, cleaning and curing etc. complete as directed by Engineer-in-charge. | SQM | 1023 | |



Chapter -8

Flooring



Buildings Schedule/ Common Schedule 2023
Flooring Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL | FLOORING WORKS | | | |
| | Notes: 1) All the rates are include all necessary conveyance and delivery, handling, unloading, storing, fabrication, hoisting, scaffolding, lead, lift, all labour for finishing to required shape and size, setting, fitting and fixing in position, straight cutting and waste, return of package and other incidental operations. | | | |
| R3-CS-FL-01 | Providing and laying polished natural stone as specified below (Machine cut) of an approved quality and size for paving /flooring in plain and/or diamond /approved pattern including cement mortar bedding of 25 mm thick in 1:4 proportion, cement float, machine cutting, dressing, leveling, jointing, filling the joints with neat cement slurry or with required pigment, machine polishing at site, curing, finishing, etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-01-a | 25 to 30 mm thk. Shahbad stone of size 0.6m x 0.6m | Sqm | 1411 | |
| R3-CS-FL-01-b | 25 to 30 mm thk. Tandur stone of size 0.45m x 0.6m | Sqm | 1287 | |
| R3-CS-FL-01-c | 25 to 30 mm thk. Kota stone of size 0.430m x0.56m (17"x22") | Sqm | 1508 | |
| R3-CS-FL-01-d | 18 mm thk. Green marble | Sqm | 2291 | |
| R3-CS-FL-01-e | 18 mm thk. White marble of superior quality and white cement float | Sqm | 2321 | ** |
| R3-CS-FL-01-f | 18 mm thk. White marble of medium quality and white cement float | Sqm | 2198 | ** |
| R3-CS-FL-01-g | 18 mm thk. White marble lower quality and white cement float | Sqm | 2110 | ** |
| R3-CS-FL-01-h | 18 mm thk. Jaisalmer Stone | Sqm | 2543 | ** |
| R3-CS-FL-01-i | 18 mm thk. Red /Pink marble | Sqm | 2126 | ** |
| R3-CS-FL-01-j | 18 mm thk. Lakha Red Granite tiles/slab | Sqm | 4707 | *** |
| R3-CS-FL-01-k | 18 mm thk. Ruby red, jet black, Hasan green Granite tiles/slab | Sqm | 3028 | ** |
| R3-CS-FL-01-l | 18 mm thk. Steel Gray Granite tiles/slab | Sqm | 2717 | ** |
| R3-CS-FL-02 | Providing and laying polished natural stone strips upto 100mm wide as specified below (Machine cut) 25-30 mm. thick of an approved quality and size for paving /flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, cement float, machine cutting, dressing, leveling, jointing, filling the joints with neat cement slurry or with required pigment, machine polishing at site, curing, finishing, etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-02-a | 25 to 30 mm thk. Shahbad stone | Rmt | 178 | |
| R3-CS-FL-02-b | 25 to 30 mm thk. Kadappa stone | Rmt | 156 | |
| R3-CS-FL-02-c | 25 to 30 mm thk. Tandur stone | Rmt | 139 | |



Buildings Schedule/ Common Schedule 2023
Flooring Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-02-d | 25 to 30 mm thk. Kota stone | Rmt | 164 | |
| R3-CS-FL-02-e | 18 mm thk. Green marble | Rmt | 186 | |
| R3-CS-FL-02-f | 18 mm thk. White marble of medium quality | Rmt | 184 | |
| R3-CS-FL-02-g | 18 mm thk. Jaisalmer Stone | Rmt | 217 | |
| R3-CS-FL-02-h | 18 mm thk. Red /Pink marble | Rmt | 175 | |
| R3-CS-FL-02-i | 18 mm thk. Lakha Red Granite tiles/slab | Rmt | 855 | *** |
| R3-CS-FL-02-j | 18 mm thk. Ruby red, jet black, Hasan green Granite tiles/slab | Rmt | 940 | ** |
| R3-CS-FL-02-k | 18 mm thk. Steel Gray Granite tiles/slab | Rmt | 940 | ** |
| R3-CS-FL-03 | Providing and laying polished natural stone design /decorative pattern upto 600mm x 600mm size in the material specified below (Machine cut) 25-30 mm. thick of an approved quality and size for paving /flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, cement float, machine cutting, dressing, leveling, jointing, filling the joints with neat cement slurry or with required pigment, machine polishing at site, curing, finishing, etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-03-a | 25 to 30 mm thk. Shahbad stone | No. | 552 | |
| R3-CS-FL-03-b | 25 to 30 mm thk. Kadappa stone | No. | 578 | |
| R3-CS-FL-03-c | 25 to 30 mm thk. Tandur stone | No. | 504 | |
| R3-CS-FL-03-d | 25 to 30 mm thk. Kota stone | No. | 587 | |
| R3-CS-FL-03-e | 25 to 30 mm thk. Green marble | No. | 852 | |
| R3-CS-FL-03-f | 18 mm thk. White marble of medium quality | No. | 796 | |
| R3-CS-FL-03-g | 18 mm thk. Jaisalmer Stone | No. | 939 | |
| R3-CS-FL-03-h | 18 mm thk. Red /Pink marble | No. | 789 | |
| R3-CS-FL-03-i | 18 mm thk. Lakha Red Granite tiles/slab | No. | 1718 | *** |
| R3-CS-FL-03-j | 18 mm thk. Ruby red, jet black, Hasan green Granite tiles/slab | No. | 1114 | ** |
| R3-CS-FL-03-k | 18 mm thk. Steel Gray Granite tiles/slab | No. | 1002 | ** |
| R3-CS-FL-04 | Providing and laying rough natural stone tiles 25 mm to 30 mm thick of an approved quality and size for paving / flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, cement float, pointing in cement mortar 1:3, cutting, dressing, leveling, jointing, pointing, curing, finishing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-04-a | 25 to 30 mm thk. rough Shahbad stone | Sqm | 762 | |
| R3-CS-FL-04-b | 25 to 30 mm thk. rough Tandur stone | Sqm | 938 | |
| R3-CS-FL-04-c | 25 to 30 mm thk. rough Kota stone | Sqm | 990 | |



Buildings Schedule/ Common Schedule 2023
Flooring Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-04-d | 25 to 30 mm thk. rough lakha red granite stone | Sqm | 4605 | *** |
| R3-CS-FL-04-e | 25 to 30 mm thk. rough Ruby red, jet black, Hasan green granite stone | Sqm | 2952 | ** |
| R3-CS-FL-04-f | 25 to 30 mm thk. rough steel gray granite stone | Sqm | 3167 | ** |
| R3-CS-FL-05 | Providing and laying red sand stone (Jaipur / Mandana / Agra) (Machine cut) 50 mm thick of an approved quality and size for paving / flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, cement float, machine cutting, dressing, leveling, jointing, filling the joints with neat cement slurry or with required pigment, curing, finishing, etc complete as directed by Engineer In Charge. | Sqm | 3713 | |
| R3-CS-FL-06 | Providing and laying 6mm thk. ceramic tiles as specified below conforming to I.S.15622-2006 for flooring of an approved, quality, make, size and pattern /design, for flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, neat cement float, cutting, leveling, jointing, filling the joints by neat cement slurry or approved colour grout, curing, finishing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-06-a | Light coloured glazed ceramic tiles | Sqm | 1476 | |
| R3-CS-FL-06-b | Dark coloured glazed ceramic tiles | Sqm | 1476 | |
| R3-CS-FL-06-c | Light coloured antiskid / matt ceramic tiles | Sqm | 1502 | |
| R3-CS-FL-06-d | Dark coloured antiskid / matt ceramic tiles | Sqm | 1502 | |
| R3-CS-FL-07 | Providing and laying 8mm thk. ceramic tiles as specified below conforming to I.S.15622-2006 for flooring of an approved, quality, make, size and pattern /design, for flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, neat cement float, cutting, leveling, jointing, filling the joints by neat cement slurry or approved colour grout, curing, finishing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-07-a | Light coloured glazed ceramic tiles | Sqm | 1470 | |
| R3-CS-FL-07-b | Dark coloured glazed ceramic tiles | Sqm | 1470 | |
| R3-CS-FL-07-c | Light coloured antiskid / matt ceramic tiles | Sqm | 1508 | |
| R3-CS-FL-07-d | Dark coloured antiskid / matt ceramic tiles | Sqm | 1508 | |
| R3-CS-FL-8 | Providing and laying 600 x 600 x 8 mm thk. vitrified tiles as specified below conforming to I.S.15622-2006 with water absorbtion less than 0.08% for flooring of an approved, quality, make and pattern /design for flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, cutting, leveling, jointing, filling the joints by neat cement slurry or approved colour grout, curing, finishing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-8-a | Light coloured glazed vitrified tiles | Sqm | 1529 | |
| R3-CS-FL-8-b | Dark coloured glazed vitrified tiles | Sqm | 1529 | |
| R3-CS-FL-8-c | Light coloured antiskid / matt vitrified tiles | Sqm | 1529 | |



Buildings Schedule/ Common Schedule 2023
Flooring Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-8-d | Dark coloured antiskid / matt vitrified tiles | Sqm | 1529 | |
| R3-CS-FL-9 | Providing and laying 800 x 800 x 9 to 10 mm thk. vitrified tiles as specified below conforming to I.S.15622-2006 with water absorption less than 0.08% for flooring of an approved, quality, make, pattern and size for flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, cutting, leveling, jointing, filling the joints by neat cement slurry or approved colour grout, curing, finishing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-9-a | Light coloured glazed vitrified tiles | Sqm | 1782 | |
| R3-CS-FL-9-b | Dark coloured glazed vitrified tiles | Sqm | 1845 | |
| R3-CS-FL-9-c | Light coloured antiskid / matt vitrified tiles | Sqm | 1728 | |
| R3-CS-FL-9-d | Dark coloured antiskid / matt vitrified tiles | Sqm | 1728 | |
| R3-CS-FL-10 | Providing and laying 10 to 13mm thk. heavy duty, scratch resistant, high abrasion resistant vitrified tiles (Durastone or equivalent) conforming to I.S.15622 with special hard wearing layer and water absorption less than 0.08% for flooring of an approved, quality, make, pattern and size for flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, cutting, leveling, jointing, filling the joints by neat cement slurry or approved colour grout, curing, finishing etc complete as directed by Engineer In Charge. | Sqm | 1704 | ** |
| R3-CS-FL-11 | Providing and laying 15mm thk. Acid proof tiles of an approved, quality, make, pattern and size for flooring in the areas like battery rooms etc. including cement mortar bedding of 25 mm thick in 1:4 proportion, cutting, leveling, jointing, filling the joints in acid proof epoxy mortar of approved colour and shades, curing, finishing etc complete as per manufacturer's specification and as directed by Engineer In Charge. | Sqm | 2732 | ** *** , |
| R3-CS-FL-12 | Providing and laying 18 mm thk., heavy duty metallic topping for flooring in cement mortar 1:2, with 4 Kg / Sqmt ironite or equivalent over existing concrete bed and as per manufacturers specifications including leveling, curing, finishing etc complete as directed by Engineer In Charge. | Sqm | 373 | |
| R3-CS-FL-13 | Providing and laying Indian patent stone flooring 40 mm thick with M-15 grade concrete using 6 mm to 20 mm metal over bedding laid in proper grade and slope or over the slab, including compaction, marking lines, to give appearance of tiles as per the approved pattern, finishing smooth with cement slurry as mentioned below, curing etc. complete. | | | |
| R3-CS-FL-13-a | In plain natural/ grey colours. | Sqm | 485 | |



Buildings Schedule/ Common Schedule 2023
Flooring Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-13-b | In red colours | Sqm | 552 | |
| R3-CS-FL-14 | Providing and fixing strips as specified below in joints of flooring as per the approved pattern, spacing including levelling, polishing, finishing etc. complete as directed by Engineer in charge. | | | |
| R3-CS-FL-14-a | 3.15 mm thk., 35 mm wide aluminum strips | Rmt | 80 | ** |
| R3-CS-FL-14-b | 3.15 mm thk., 35 mm wide brass strips | Rmt | 81 | *** |
| R3-CS-FL-14-c | 4 mm thk., 35 mm wide glass strips | Rmt | 68 | ** |
| R3-CS-FL-15 | Providing and fixing 50 mm thick precast concrete interlocking paving block of concrete grade M30 for non traffic areas like footpath, paving etc. and as per the approved size, pattern, shape, colour, make, conforming to IS 15658, including 30mm thick sand bedding and edge confinements in cement mortar 1:3, laying in perfect line and grade etc. complete. | Sqm | 590 | |
| R3-CS-FL-16 | Providing and laying 16-20 mm thick and 75mm wide strips of rough jet black Granite stone (or equivalent) of approved colour, on ramp to get anti-skid effect including cement mortar bedding of 25 mm thick in 1:4 proportion, cement float, machine cutting, dressing, leveling, jointing, filling the joints with neat cement slurry or with required pigment, curing, finishing etc. complete as directed by Engineer-in-charge. | Sqm | 6570 | ** |
| R3-CS-FL-17 | Providing laying and fixing glass mosaic tiles in the wet areas like swimming pool, toilets etc. of approved make, colour, pattern, size and thickness on the surface treated with waterproofing compound including backing coat of approved latex-modified thinset, jointing, filling the joints with non shrink neat cementitious coloured grout, curing, ponding, finishing etc. complete as per manufacturers specifications and as directed by Engineer-in-charge. | Sqm | 2301 | *** |
| R3-CS-FL-18 | Providing, laying and fixing glass tile (Vitrum tiles or equivalent) in the wet areas of approved make, size and type on the existing surface treated with waterproofing compound, including epoxy adhesive (Laticrete Latapoxy 300 or equivalent) for fixing the tile, cutting, filling joints with epoxy grout, and cleaning etc. complete as per manufacturers specifications and directed by engineer. | Sqm | 3093 | |
| R3-CS-FL-19 | Providing and fixing 80mm thk. Glass bricks of approved make, size and type in glass block adhesive including filling joints with glass block grout, cleaning etc. complete as directed by Engineer in charge. | Sqm | 2275 | |



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Flooring Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-20 | Providing and fixing 2mm thick Antistatic Vinyl flooring of approved brand, pattern, shade fixed with approved adhesive as per manufacturer's specifications including floor base preparation using epoxy mortar if required. The flooring shall be in roll form etc complete as directed by Engineer In Charge. | Sqm | 496 | ** |
| R3-CS-FL-21 | Providing and fixing polished natural stone tiles /slab as specified below of approved quality, pattern and colour for flush/projected skirting and risers including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement or pigment mixed with cement, polishing, finishing, curing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-21-a | 15 to 20mm thk. Shahbad stone for height upto 150 mm | Rmt | 288 | |
| R3-CS-FL-21-b | 15 to 20mm thk. Kadappa stone for height upto 150 mm | Rmt | 297 | |
| R3-CS-FL-21-c | 15 to 20mm thk. Tandur stone for height upto 150 mm | Rmt | 270 | |
| R3-CS-FL-21-d | 15 to 20mm thk. Kota stone for height upto 150 mm | Rmt | 302 | |
| R3-CS-FL-21-e | 15 to 20mm thk. Green marble for height upto 150 mm | Rmt | 401 | ** |
| R3-CS-FL-21-f | 15 to 20mm thk. white marble of lower quality for height upto 150 mm | Rmt | 365 | ** |
| R3-CS-FL-21-g | 15 to 20mm thk. Jaisalmer Stone for height upto 150 mm | Rmt | 434 | ** |
| R3-CS-FL-21-h | 15 to 20mm thk. Red/pink marble for height upto 150 mm | Rmt | 378 | ** |
| R3-CS-FL-21-i | 15 to 20mm thk. Lakha Red Granite for height upto 150 mm | Rmt | 726 | *** |
| R3-CS-FL-21-j | 15 to 20 mm thk. Ruby red, jet black, Hasan green Granite tiles/slab for height upto 150 mm | Rmt | 499 | *** |
| R3-CS-FL-21-k | 15 to 20 mm thk. Steel Gray Granite for height upto 150mm | Rmt | 457 | ** |
| R3-CS-FL-21-l | 15 to 20mm thk. Shahbad stone for height upto 300 mm | Rmt | 405 | |
| R3-CS-FL-21-m | 15 to 20mm thk. Kadappa stone for height upto 300 mm | Rmt | 424 | |
| R3-CS-FL-21-n | 15 to 20mm thk. Tandur stone for height upto 300 mm | Rmt | 368 | |
| R3-CS-FL-21-o | 15 to 20mm thk. Kota stone for height upto 300 mm | Rmt | 433 | |
| R3-CS-FL-21-p | 15 to 20mm thk. Green marble for height upto 300 mm | Rmt | 631 | ** |
| R3-CS-FL-21-q | 15 to 20mm thk. White marble of lower quality for height upto 300 mm | Rmt | 559 | ** |
| R3-CS-FL-21-r | 15 to 20mm thk. Jaisalmer Stone for height upto 300 mm | Rmt | 697 | ** |
| R3-CS-FL-21-s | 15 to 20mm thk. Red/pink marble for height upto 300 mm | Rmt | 584 | ** |



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Flooring Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-21-t | 15 to 20mm thk. Lakha Red Granite for height upto 300 mm | Rmt | 1280 | *** |
| R3-CS-FL-21-u | 8 to 10 mm thk. Ruby red, jet black, Hasan green Granite tiles/slab for height upto 300 mm | Rmt | 827 | *** |
| R3-CS-FL-21-v | 8 to 10 mm thk. Steel Gray Granite tiles/slab for height upto 300mm | Rmt | 744 | ** |
| R3-CS-FL-22 | Providing and fixing 15 to 20mm thk. rough natural stone tiles as specified below of approved quality, pattern and colour for flush/projected skirting and risers including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement or pigment mixed with cement, polishing, finishing, curing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-22-a | Shahbad stone for height upto 150 mm | Rmt | 209 | |
| R3-CS-FL-22-b | Kadappa stone for height upto 150 mm | Rmt | 263 | |
| R3-CS-FL-22-c | Tandur stone for height upto 150 mm | Rmt | 236 | |
| R3-CS-FL-22-d | Kota stone for height upto 150 mm | Rmt | 261 | |
| R3-CS-FL-22-e | Lakha Red Granite for height upto 150 mm | Rmt | 828 | *** |
| R3-CS-FL-22-f | Ruby red, jet black, hasan green Granite for height upto 150 mm | Rmt | 569 | ** |
| R3-CS-FL-22-g | Steel gray Granite tiles/slab for height upto 150 mm | Rmt | 603 | ** |
| R3-CS-FL-22-h | Shahbad stone for height upto 300 mm | Rmt | 274 | |
| R3-CS-FL-22-i | Kadappa stone for height upto 300 mm | Rmt | 274 | |
| R3-CS-FL-22-j | Tandur stone for height upto 300 mm | Rmt | 329 | |
| R3-CS-FL-22-k | Kota stone for height upto 300 mm | Rmt | 379 | |
| R3-CS-FL-22-l | Lakha Red Granite for height upto 300 mm | Rmt | 1513 | *** |
| R3-CS-FL-22-m | Ruby red, jet black, hasan green Granite for height upto 300 mm | Rmt | 995 | ** |
| R3-CS-FL-22-n | Steel gray Granite tiles/slab for height upto 300 mm | Rmt | 1062 | ** |
| R3-CS-FL-23 | Providing and fixing 6mm thk. ceramic tiles as specified below conforming to I.S. 15622-2006 of approved quality, pattern and colour for flush/projected skirting and risers including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement slurry or approved colour grout, finishing, curing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-23-a | Light coloured glazed ceramic tiles for height upto 150mm | Rmt | 228 | |



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Flooring Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-23-b | Dark coloured glazed ceramic tiles for height upto 150mm | Rmt | 235 | |
| R3-CS-FL-23-c | Light coloured antiskid / matt ceramic tiles for height upto 150mm | Rmt | 239 | |
| R3-CS-FL-23-d | Dark coloured antiskid / matt ceramic tiles for height upto 150mm | Rmt | 239 | |
| R3-CS-FL-23-e | Light coloured glazed ceramic tiles for height upto 300mm | Rmt | 298 | |
| R3-CS-FL-23-f | Dark coloured glazed ceramic tiles for height upto 300mm | Rmt | 298 | |
| R3-CS-FL-23-g | Light coloured antiskid / matt ceramic tiles for height upto 300mm | Rmt | 306 | |
| R3-CS-FL-23-h | Dark coloured antiskid / matt ceramic tiles for height upto 300mm | Rmt | 306 | |
| R3-CS-FL-24 | Providing and fixing 8mm thk. ceramic tiles as specified below conforming to I.S. 15622-2006 of approved quality, pattern and colour for flush/projected skirting and risers including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement slurry or approved colour grout, finishing, curing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-24-a | Light coloured glazed ceramic tiles for height upto 150mm | Rmt | 234 | |
| R3-CS-FL-24-b | Dark coloured glazed ceramic tiles for height upto 150mm | Rmt | 234 | |
| R3-CS-FL-24-c | Light coloured antiskid / matt ceramic tiles for height upto 150mm | Rmt | 240 | |
| R3-CS-FL-24-d | Dark coloured antiskid / matt ceramic tiles for height upto 150mm | Rmt | 240 | |
| R3-CS-FL-24-e | Light coloured glazed ceramic tiles for height upto 300mm | Rmt | 280 | |
| R3-CS-FL-24-f | Dark coloured glazed ceramic tiles for height upto 300mm | Rmt | 296 | |
| R3-CS-FL-24-g | Light coloured antiskid / matt ceramic tiles for height upto 300mm | Rmt | 308 | |
| R3-CS-FL-24-h | Dark coloured antiskid / matt ceramic tiles for height upto 300mm | Rmt | 308 | |
| R3-CS-FL-25 | Providing and fixing 8mm thk. vitrified tiles as specified below conforming to I.S. 15622-2006 of approved quality, pattern and colour for flush/projected skirting / riser including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement slurry or pigments mixed with cement, finishing, curing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-25-a | Light coloured glazed vitrified tiles for height upto 150mm | Rmt | 243 | |
| R3-CS-FL-25-b | Dark coloured glazed vitrified tiles for height upto 150mm | Rmt | 243 | |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-25-c | Light coloured antiskid / matt vitrified tiles for height upto 150mm | Rmt | 243 | |
| R3-CS-FL-25-d | Dark coloured antiskid / matt vitrified tiles for height upto 150mm | Rmt | 243 | |
| R3-CS-FL-25-e | Light coloured glazed vitrified tiles for height upto 300mm | Rmt | 314 | |
| R3-CS-FL-25-f | Dark coloured glazed vitrified tiles for height upto 300mm | Rmt | 314 | |
| R3-CS-FL-25-g | Light coloured antiskid / matt vitrified tiles for height upto 300mm | Rmt | 314 | |
| R3-CS-FL-25-h | Dark coloured antiskid / matt vitrified tiles for height upto 300mm | Rmt | 314 | |
| R3-CS-FL-26 | Providing and fixing 9 to 10 mm thk. vitrified tiles as specified below conforming to I.S. 15622-2006 of approved quality, pattern and colour for flush/projected skirting and risers including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement slurry or pigments mixed with cement, finishing, curing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-26-a | Light coloured glazed vitrified tiles for height upto 150mm | Rmt | 282 | |
| R3-CS-FL-26-b | Dark coloured glazed vitrified tiles for height upto 150mm | Rmt | 292 | |
| R3-CS-FL-26-c | Light coloured antiskid / matt vitrified tiles for height upto 150mm | Rmt | 274 | |
| R3-CS-FL-26-d | Dark coloured antiskid / matt vitrified tiles for height upto 150mm | Rmt | 274 | |
| R3-CS-FL-26-e | Light coloured glazed vitrified tiles for height upto 300mm | Rmt | 391 | |
| R3-CS-FL-26-f | Dark coloured glazed vitrified tiles for height upto 300mm | Rmt | 411 | |
| R3-CS-FL-26-g | Light coloured antiskid / matt vitrified tiles for height upto 300mm | Rmt | 375 | |
| R3-CS-FL-26-h | Dark coloured antiskid / matt vitrified tiles for height upto 300mm | Rmt | 375 | |
| R3-CS-FL-27 | Rebate in any type of skirting for not providing backing of 20mm thk. cement mortar. | | | |
| R3-CS-FL-27-a | For skirting of height upto 150mm | Rmt | 62 | |
| R3-CS-FL-27-b | For skirting of height more than 150mm and upto to 300mm | Rmt | 73 | |
| R3-CS-FL-28 | Providing and fixing polished natural stone tiles as specified below of approved quality, pattern and colour for dado including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement or pigment mixed with cement, polishing, finishing, curing etc complete as directed by Engineer In Charge. | | | |



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Flooring Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-28-a | 25 to 30 mm thk. Shahbad stone | Sqm | 2035 | |
| R3-CS-FL-28-b | 25 to 30mm thk. Kadappa stone | Sqm | 2099 | |
| R3-CS-FL-28-c | 25 to 30mm thk. Tandur stone | Sqm | 1914 | |
| R3-CS-FL-28-d | 25 to 30mm thk. Kota stone | Sqm | 2015 | |
| R3-CS-FL-28-e | 18mm thk. green marble | Sqm | 2675 | |
| R3-CS-FL-28-f | 18mm thk. superior quality | Sqm | 2647 | |
| R3-CS-FL-28-g | 18mm thk. medium quality | Sqm | 2537 | |
| R3-CS-FL-28-h | 18mm thk. lower quality | Sqm | 2457 | |
| R3-CS-FL-28-i | 18mm thk. Jaisalmer Stone/ Yellow Marble | Sqm | 2893 | ** |
| R3-CS-FL-28-j | 18mm thk. red/pink marble | Sqm | 2519 | ** |
| R3-CS-FL-28-k | 18mm thk. Lakha Red granite | Sqm | 4837 | *** |
| R3-CS-FL-28-l | 18mm thk. Ruby red, jet black, Hasan green Granite | Sqm | 3329 | ** |
| R3-CS-FL-28-m | 18mm thk. Steel gray Granite tiles/slab | Sqm | 3050 | ** |
| R3-CS-FL-29 | Providing and fixing 15 to 20mm thk. well dressed Dholpur stone tiles of approved quality, pattern, size and colour for dado including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement or pigment mixed with cement, finishing, curing etc complete as directed by Engineer In Charge. | Sqm | 1825 | ** |
| R3-CS-FL-30 | Providing and fixing 25 to 35mm thk. red sand stone tiles of approved quality, pattern, size and colour for dado including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, fixed with metal clamp and brass pins, cement float, machine cutting, leveling, jointing, filling the joints with neat cement or pigment mixed with cement, finishing, cleaning and washing with diluted solution of muriatic acid, curing etc complete as directed by Engineer In Charge. | Sqm | 2122 | *** |



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Flooring Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-31 | Providing and fixing 6mm thk. ceramic tiles as specified below conforming to I.S. 15622-2006 of approved quality, pattern and colour for dado in the wet area including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3 with approved waterproofing compound, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement slurry or approved colour grout, finishing, curing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-31-a | Light coloured glazed ceramic tiles | Sqm | 1572 | |
| R3-CS-FL-31-b | Dark coloured glazed ceramic tiles | Sqm | 1572 | |
| R3-CS-FL-31-c | Light coloured antiskid / matt ceramic tiles | Sqm | 1598 | |
| R3-CS-FL-31-d | Dark coloured antiskid / matt ceramic tiles | Sqm | 1598 | |
| R3-CS-FL-32 | Providing and fixing 8mm thk. ceramic tiles as specified below conforming to I.S. 15622-2006 of approved quality, pattern and colour for dado in the wet area including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3 with approved waterproofing compound, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement slurry or approved colour grout, finishing, curing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-32-a | Light coloured glazed ceramic tiles | Sqm | 1566 | |
| R3-CS-FL-32-b | Dark coloured glazed ceramic tiles | Sqm | 1566 | |
| R3-CS-FL-32-c | Light coloured antiskid / matt ceramic tiles | Sqm | 1604 | |
| R3-CS-FL-32-d | Dark coloured antiskid / matt ceramic tiles | Sqm | 1604 | |
| R3-CS-FL-33 | Providing and fixing 6mm thk. ceramic tiles as specified below conforming to I.S. 15622-2006 of approved quality, pattern and colour for dado in the dry area including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement slurry or approved colour grout, finishing, curing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-33-a | Light coloured glazed ceramic tiles | Sqm | 1569 | |
| R3-CS-FL-33-b | Dark coloured glazed ceramic tiles | Sqm | 1569 | |
| R3-CS-FL-33-c | Light coloured antiskid / matt ceramic tiles | Sqm | 1596 | |
| R3-CS-FL-33-d | Dark coloured antiskid / matt ceramic tiles | Sqm | 1596 | |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-34 | Providing and fixing 8mm thk. ceramic tiles as specified below conforming to I.S. 15622-2006 of approved quality, pattern and colour for dado in the dry area including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement slurry or approved colour grout, finishing, curing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-34-a | Light coloured glazed ceramic tiles | Sqm | 1563 | |
| R3-CS-FL-34-b | Dark coloured glazed ceramic tiles | Sqm | 1563 | |
| R3-CS-FL-34-c | Light coloured antiskid / matt ceramic tiles | Sqm | 1602 | |
| R3-CS-FL-34-d | Dark coloured antiskid / matt ceramic tiles | Sqm | 1602 | |
| R3-CS-FL-35 | Providing and fixing 15 mm thk. Acid proof tiles approved quality, pattern and colour for dado in the areas like battary rooms etc. including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with acid proof epoxy mortar, finishing, curing etc complete as directed by Engineer In Charge. | Sqm | 3319 | *** |
| R3-CS-FL-36 | Providing and fixing antibacterial tiles approved quality, pattern and colour for dado in the areas like hospitals etc. including preparing the surface and leveling in the desired line, backing of 20 thk. cement mortar in proportion 1:3 with waterproof compound, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement slurry or approved colour grout, finishing, curing etc complete as directed by Engineer In Charge. | Sqm | 1335 | *** |
| R3-CS-FL-37 | Rebate in any type of dadowork for not providing and applying backing of 20mm thk. cement mortar. | Sqm | 411 | |
| R3-CS-FL-38 | Providing and fixing polished natural stone slab as specified below of approved quality, pattern and colour for treads including preparing the surface and levelling in the desired line, in cement mortar 1:4, cement float, machine cutting, leveling, jointing, smooth cement plastering along the sides to match the existing surface in cement mortar 1:3, filling the joints with neat cement or pigment mixed with cement, polishing, finishing, curing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-38-a | 15 to 20mm thk. Shahbad stone for width upto 300 mm | Rmt | 849 | |
| R3-CS-FL-38-b | 15 to 20mm thk. Kadappa stone for width upto 300 mm | Rmt | 867 | |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-38-c | 15 to 20mm thk. Tandur stone for width upto 300 mm | Rmt | 815 | |
| R3-CS-FL-38-d | 15 to 20mm thk. Kota stone for width upto 300 mm | Rmt | 843 | |
| R3-CS-FL-38-e | 15 to 20mm thk. Green marble for width upto 300 mm | Rmt | 857 | |
| R3-CS-FL-38-f | 15 to 20mm thk. Superior quality white marble for width upto 300 mm | Rmt | 867 | ** |
| R3-CS-FL-38-g | 15 to 20mm thk. Medium quality white marble for width upto 300 mm | Rmt | 836 | |
| R3-CS-FL-38-h | 15 to 20mm thk. Lower quality white marble for width upto 300 mm | Rmt | 814 | |
| R3-CS-FL-38-i | 15 to 20mm thk. Jaisalmer Stone for width upto 300 mm | Rmt | 918 | ** |
| R3-CS-FL-38-j | 15 to 20mm thk. Red/pink marble for width upto 300 mm | Rmt | 813 | ** |
| R3-CS-FL-38-k | 15 to 20mm thk. Lakha Red Granite for width upto 300 mm | Rmt | 1463 | *** |
| R3-CS-FL-38-l | 8 to 10 mm thk. Ruby red, jet black, Hasan green Granite for width upto 300 mm | Rmt | 1040 | ** |
| R3-CS-FL-38-m | 8 to 10 mm thk. Steel gray Granite tiles/slab for width upto 300mm | Rmt | 962 | ** |
| R3-CS-FL-39 | Providing and fixing rough natural stone slab as specified below of approved quality, pattern and colour for treads including preparing the surface and levelling in the desired line, in cement mortar 1:4, cement float, machine cutting, leveling, jointing, smooth cement plastering along the sides to match the existing surface in cement mortar 1:3, filling the joints with neat cement or pigment mixed with cement, polishing, finishing, curing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-39-a | Shahbad stone for width upto 300 mm | Rmt | 757 | |
| R3-CS-FL-39-b | Tandur stone for width upto 300 mm | Rmt | 810 | |
| R3-CS-FL-39-c | Kota stone for width upto 300 mm | Rmt | 825 | |
| R3-CS-FL-39-d | Lakha Red Granite stone for width upto 300 mm | Rmt | 1746 | *** |
| R3-CS-FL-39-e | Ruby red, jet black, Hasan green Granite for width upto 300 mm | Rmt | 1247 | ** |
| R3-CS-FL-39-f | Steel gray Granite tiles/slab for width upto 300mm | Rmt | 1312 | ** |
| R3-CS-FL-40 | Providing and fixing polished natural stone tiles as specified below of approved quality, pattern and colour for sill and jambs including preparing the surface and levelling in the desired line, cement mortar 1:3 bedding or backing, cement float, machine cutting, leveling, jointing, smooth cement plastering along the sides to match the existing surface in cement mortar 1:3, filling the joints with neat cement or pigment mixed with cement, finishing, curing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-40-a | 25 to 30mm thk. shahbad stone for width upto 150 mm | Rmt | 288 | |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-40-b | 25 to 30mm thk. Kadappa stone for width upto 150 mm | Rmt | 297 | |
| R3-CS-FL-40-c | 25 to 30mm thk. Tandur stone for width upto 150 mm | Rmt | 270 | |
| R3-CS-FL-40-d | 25 to 30mm thk. Kota stone for width upto 150 mm | Rmt | 302 | |
| R3-CS-FL-40-e | 18mm thk. green marble for width upto 150 mm | Rmt | 401 | |
| R3-CS-FL-40-f | 18mm thk. white marble of lower quality for width upto 150 mm | Rmt | 353 | |
| R3-CS-FL-40-g | 18mm thk. Jaisalmer Stone for width upto 150 mm | Rmt | 434 | |
| R3-CS-FL-40-h | 18mm thk. red/pink marble for width upto 150 mm | Rmt | 378 | |
| R3-CS-FL-40-i | 18mm thk. Lakha Red granite for width upto 150 mm | Rmt | 726 | |
| R3-CS-FL-40-j | 18mm thk. Ruby red, jet black, Hasan green Granite for width upto 150 mm | Rmt | 499 | |
| R3-CS-FL-40-k | 18mm thk. Steel gray Granite slab for width upto 150mm | Rmt | 457 | |
| R3-CS-FL-40-l | 25 to 30mm thk. shahbad stone for width upto 300 mm | Rmt | 405 | |
| R3-CS-FL-40-m | 25 to 30mm thk. Kadappa stone for width upto 300 mm | Rmt | 424 | |
| R3-CS-FL-40-n | 25 to 30mm thk. Tandur stone for width upto 300 mm | Rmt | 368 | |
| R3-CS-FL-40-o | 25 to 30mm thk. Kota stone for width upto 300 mm | Rmt | 433 | |
| R3-CS-FL-40-p | 18mm thk. green marble for width upto 300 mm | Rmt | 631 | |
| R3-CS-FL-40-q | 18mm thk. white marble of lower quality for width upto 300 mm | Rmt | 536 | |
| R3-CS-FL-40-r | 18mm thk. Jaisalmer Stone for width upto 300 mm | Rmt | 697 | ** |
| R3-CS-FL-40-s | 18mm thk. red/pink marble for width upto 300 mm | Rmt | 584 | ** |
| R3-CS-FL-40-t | 18mm thk. Lakha Red granite for width upto 300 mm | Rmt | 1280 | *** |
| R3-CS-FL-40-u | 18mm thk. Ruby red, jet black, Hasan green Granite for width upto 300 mm | Rmt | 827 | ** |
| R3-CS-FL-40-v | 18mm thk. Steel gray Granite slab for width upto 300mm | Rmt | 744 | ** |
| R3-CS-FL-41 | Providing and fixing 8mm thk. vitrified tiles as specified below conforming to I.S. 15622-2006 of approved quality, pattern and colour for sill and jambs including preparing the surface and levelling in the desired line, cement mortar 1:3 bedding or backing, cement float, machine cutting, leveling, jointing, smooth cement plastering along the sides to match the existing surface in cement mortar 1:3, filling the joints with neat cement slurry or pigments mixed with cement, finishing, curing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-41-a | Light coloured glazed vitrified tiles for width upto 150mm | Rmt | 243 | |
| R3-CS-FL-41-b | Dark coloured glazed vitrified tiles for width upto 150mm | Rmt | 243 | |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-41-c | Light coloured antiskid / matt vitrified tiles for width upto 150mm | Rmt | 243 | |
| R3-CS-FL-41-d | Dark coloured antiskid / matt vitrified tiles for width upto 150mm | Rmt | 243 | |
| R3-CS-FL-41-e | Light coloured glazed vitrified tiles for width upto 300mm | Rmt | 314 | |
| R3-CS-FL-41-f | Dark coloured glazed vitrified tiles for width upto 300mm | Rmt | 314 | |
| R3-CS-FL-41-g | Light coloured antiskid / matt vitrified tiles for width upto 300mm | Rmt | 285 | |
| R3-CS-FL-41-h | Dark coloured antiskid / matt vitrified tiles for width upto 300mm | Rmt | 314 | |
| R3-CS-FL-42 | Providing and fixing 9 to 10 mm thk. vitrified tiles as specified below conforming to I.S. 15622-2006 of approved quality, pattern and colour for sill and jambs including preparing the surface and levelling in the desired line, cement mortar 1:3 bedding or backing, cement float, machine cutting, leveling, jointing, smooth cement plastering along the sides to match the existing surface in cement mortar 1:3, filling the joints with neat cement slurry or pigments mixed with cement, finishing, curing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-42-a | Light coloured glazed vitrified tiles for width upto 150mm | Rmt | 282 | |
| R3-CS-FL-42-b | Dark coloured glazed vitrified tiles for width upto 150mm | Rmt | 292 | |
| R3-CS-FL-42-c | Light coloured antiskid / matt vitrified tiles for width upto 150mm | Rmt | 274 | |
| R3-CS-FL-42-d | Dark coloured antiskid / matt vitrified tiles for width upto 150mm | Rmt | 274 | |
| R3-CS-FL-42-e | Light coloured glazed vitrified tiles for width upto 300mm | Rmt | 391 | |
| R3-CS-FL-42-f | Dark coloured glazed vitrified tiles for width upto 300mm | Rmt | 411 | |
| R3-CS-FL-42-g | Light coloured antiskid / matt vitrified tiles for width upto 300mm | Rmt | 375 | |
| R3-CS-FL-42-h | Dark coloured antiskid / matt vitrified tiles for width upto 300mm | Rmt | 375 | |
| R3-CS-FL-43 | Providing and fixing all sides polished natural stone tiles as specified below of approved quality, pattern, colour and thickness for partition including making the groove in existing cladding/ plaster/ concrete/ masonry, machine cutting, leveling, smooth cement plastering along the sides to match the existing surface in cement mortar, filling the joints with neat cement or pigment mixed with cement, cutting for utility pipe in the shape as directed, cleaning, finishing, curing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-43-a | 25 to 30mm thk. shahbad stone | Sqm | 1396 | |
| R3-CS-FL-43-b | 25 to 30mm thk. Kadappa stone | Sqm | 1452 | |
| R3-CS-FL-43-c | 25 to 30mm thk. Tandur stone | Sqm | 1288 | |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-43-d | 25 to 30mm thk. Kota stone | Sqm | 1378 | |
| R3-CS-FL-43-e | 18mm thk. green marble | Sqm | 1963 | |
| R3-CS-FL-43-f | 18mm thk. of lower quality white marble | Sqm | 1738 | |
| R3-CS-FL-43-g | 18mm thk. Jaisalmer Stone | Sqm | 2157 | ** |
| R3-CS-FL-43-h | 18mm thk. red/pink marble | Sqm | 1825 | ** |
| R3-CS-FL-43-i | 18mm thk. Lakha Red granite | Sqm | 3880 | *** |
| R3-CS-FL-43-j | 18mm thk. Ruby red, jet black, Hasan green Granite | Sqm | 2543 | *** |
| R3-CS-FL-43-k | 18mm thk. Steel gray Granite tiles/slab | Sqm | 2295 | ** |
| R3-CS-FL-44 | Providing and fixing all sides polished natural stone as specified below of approved quality, pattern, colour and thickness for door and window frames / architraves including preparing the surface and levelling in the desired line, machine cutting, jointing in approved adhesives, leveling, smooth cement plastering along the sides to match the existing surface in cement mortar, filling the joints with pigment mixed with cement, cleaning, finishing, curing etc complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-44-a | With Kadappa stone | Rmt | 571 | |
| R3-CS-FL-44-b | With green marble | Rmt | 647 | ** |
| R3-CS-FL-44-c | With Lakha Red granite | Rmt | 935 | *** |
| R3-CS-FL-44-d | With Ruby red, jet black, Hasan green Granite | Rmt | 734 | ** |
| R3-CS-FL-44-e | With Steel gray Granite | Rmt | 697 | ** |
| R3-CS-FL-45 | Providing and constructing raised platform of 750 mm wide and 600 to 750mm high using minimum 40mm thick polished kadappa stone slab of approved quality at top, supported by both side polished, 40mm thk. and 700mm wide kadappa spaced at not more than 1200mm clear, including polished kadappa facia of min. 75mm hight with champhered at the top edges, making opening for sink and fixing the same in position, preparing the surface and levelling in the desired line, machine cutting, jointing in approved adhesives, leveling, smooth cement plastering along the sides to match the existing surface in cement mortar, filling the joints with pigment mixed with cement, cleaning, finishing, curing etc complete as directed by Engineer In Charge. (Sink will be paid separately) | Rmt | 3118 | |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-46 | Providing and constructing raised platform of 750 mm wide and 600 to 750mm high using minimum 40mm thick polished kadappa stone slab base with minimum 15mm thk. polished stone top as specified below of approved quality, colour and texture, supported by both side polished, 40mm thk. and minimum 700mm wide kadappa spaced at not more than 1200mm clear, including polished facia of min. 100mm height as specified below with chamfered/ rounded at the top edges, jointing in approved adhesives, machine cutting, making opening for sink and fixing the same in position, leveling, smooth cement plastering along the sides to match the existing surface in cement mortar, filling the joints with pigment mixed with cement, cleaning, finishing, curing etc complete as directed by Engineer In Charge. (The cost of providing the sink shall be paid extra as per plumbing items) | | | |
| R3-CS-FL-46-a | Green marble slab at top and facia | Rmt | 4658 | |
| R3-CS-FL-46-b | Lakha Red Granite slab at top and facia | Rmt | 6209 | *** |
| R3-CS-FL-46-c | Ruby red / jet black / Hasan green Granite slab at top and facia | Rmt | 5127 | ** |
| R3-CS-FL-46-d | Steel gray Granite granite slab at top and facia | Rmt | 4927 | ** |
| R3-CS-FL-47 | Providing and fixing the both face polished natural stone as specified below for shelf including making the slots for support, cutting, jointing in approved adhesives or any other approved means, filling the joints with neat cement motar with neat smooth plastering as required etc. complete as directed by Engineer-In-Charge. | | | |
| R3-CS-FL-47-a | 25 to 30mm thk. Kadappa | Sqm | 1427 | |
| R3-CS-FL-47-b | 18mm thk. green marble | Sqm | 1938 | ** |
| R3-CS-FL-47-c | 18mm thk. Lakha Red granite | Sqm | 3854 | *** |
| R3-CS-FL-47-d | 18mm thk. Ruby red / jet black / Hasan green Granite | Sqm | 2518 | ** |
| R3-CS-FL-47-e | 18mm thk. Steel gray Granite granite | Sqm | 2270 | ** |
| R3-CS-FL-48 | Providing and fixing finely dressed blue basalt stone of size 40 cm X 40 cm X 15 cm in washing place including cement mortar bedding of 25mm thk. In 1:3 proportion, cement float, levelling, smooth cement plastering along the sides to match the existing surface in cement mortar, curing, finishing etc. complete as directed by Engineer-In-Charge. | No. | 673 | |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-49 | Providing and fixing precast concrete block of size 40 cm X 40 cm X 15 cm and grade M15 in washing place with rough shahabad tile fixed on top using cement mortar, including cement mortar bedding in 1:3 proportion, cement float, levelling, smooth cement plastering along the sides to match the existing surface in cement mortar, curing, finishing etc. complete as directed by Engineer-In-Charge. | No. | 905 | |
| R3-CS-FL-50 | Providing and fixing 20mm to 25 mm thk. polished jet black granite stone plaque for inauguration of approved quality including preparing the surface and levelling in the desired line, cement float, machine cutting, leveling, jointing, filling the joints with neat cement, finishing, curing etc complete as directed by Engineer In Charge. | Sqm | 4567 | *** |
| R3-CS-FL-51 | Engraving the letters of sizes specified below in golden or any other approved colour on granite stone etc. complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-51-a | Letters upto 30mm in any language as directed. | No. | 41 | |
| R3-CS-FL-51-b | Letters above 30mm and upto 50mm in any language as directed. | No. | 48 | |
| R3-CS-FL-51-c | Border line upto 12mm thk. | Rmt | 286 | |
| R3-CS-FL-52 | Providing and fixing 20mm to 25 mm thk. polished white marble plaque of superior quality for inauguration of approved quality and pattern in dado including preparing the surface and levelling in the desired line, cement float, machine cutting, leveling, jointing, filling the joints with neat cement, finishing, curing etc complete as directed by Engineer In Charge. | Sqm | 4405 | *** |
| R3-CS-FL-53 | Engraving the letters of sizes specified below with black lead or any other approved colour on white marble stone etc. complete as directed by Engineer In Charge. | | | |
| R3-CS-FL-53-a | Letters upto 30mm in any language as directed. | No. | 32 | |
| R3-CS-FL-53-b | Letters above 30mm and upto 50mm in any language as directed. | No. | 64 | |
| R3-CS-FL-53-c | Border line upto 12mm thk. | Rmt | 194 | |
| R3-CS-FL-54 | Bare Polishing (non mirror) on marble work/ granite work/ stone work to give gloss finish including levelling the surface neat, cleaning etc. complete as directed by Engineer In Charge | Sqm | 52 | |
| R3-CS-FL-55 | Mirror Polishing on marble work/ granite work/ stone work to give high gloss finish including levelling the surface neat, cleaning etc. complete as directed by Engineer In Charge | Sqm | 80 | |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-56 | Rounding the edge in quarter round shape of the stonework specified below including high gloss machine polishing as directed by Engineer In Charge. Shahbad stone/ Kadappa stone/ Tandur stone/ Kota stone/ Any type of marble/ Any type of Granite stone | Rmt | 239 | |
| R3-CS-FL-57 | Rounding the edge in half round shape of the stonework specified below including high gloss machine polishing as directed by Engineer In Charge. Shahbad stone/ Kadappa stone/ Tandur stone/ Kota stone/ Any type of marble/ Any type of Granite stone | Rmt | 265 | |
| R3-CS-FL-58 | Champhering the edge of the stone work specified below including high gloss machine polishing as directed by Engineer In Charge. Shahbad stone/ Kadappa stone/ Tandur stone/ Kota stone/ Any type of marble/ Any type of Granite stone | Rmt | 99 | |
| R3-CS-FL-59 | 2 to 3mm wide and 3mm deep grooving on the stone work specified below as directed by Engineer In Charge. Shahbad stone/ Kadappa stone/ Tandur stone/ Kota stone/ Any type of marble/ Any type of Granite stone | Rmt | 61 | |
| R3-CS-FL-60 | Providing and laying cement mortar or lime mortar of 1 : 4 respectively for cushioning of 40 mm. with cement float to receive any flooring viz. tiles, pavement etc. etc. complete as specific and as directed. | Sqm | 450 | |
| R3-CS-FL-61 | Providing and making wash basin counter in single piece of 18 mm to 20 mm thk. telephone black granite 600mm wide, fixed over 25 to 40 mm thk black Kadappa, sandwich type construction, by making zari, in walls upto 75 mm deep & fitting the wash basin by using M.S. bracket & filling the wall surface by C.M 1:3 etc.(M.S. bracket and wash basin will be paid seperately) | Rmt | 3779 | |
| R3-CS-FL-62 | Providing and fixing 8mm thk. vitrified tiles as specified below conforming to I.S. 15622-2006 with water absorbtion less than 0.08% and of approved quality, pattern and colour for dado in the wet area including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3 with approved waterproofing compound, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement slurry or approved colour grout, finishing, curing etc complete as directed by Engineer In Charge. Light coloured glazed vitrified tiles/ Dark coloured glazed vitrified tiles/ Light coloured antiskid / matt vitrified tiles/ Dark coloured antiskid / matt vitrified tiles | Sqm | 1626 | |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-63 | Providing and fixing 9 to 10 mm thk. vitrified tiles as specified below conforming to I.S. 15622-2006 with water absorption less than 0.08% and of approved quality, pattern and colour for dado in the wet area including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in proportion 1:3 with approved waterproofing compound, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement slurry or approved colour grout, finishing, curing etc complete as directed by Engineer In Charge. Light coloured glazed vitrified tiles/ Dark coloured glazed vitrified tiles/ Light coloured antiskid / matt vitrified tiles/ Dark coloured antiskid / matt vitrified tiles | Sqm | 1883 | |
| R3-CS-FL-64 | Providing and fixing 8mm thk. vitrified tiles as specified below conforming to I.S. 15622-2006 with water absorption less than 0.08% and of approved quality, pattern and colour for dado in the dry area including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in proportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement slurry or approved colour grout, finishing, curing etc complete as directed by Engineer In Charge. Light coloured glazed vitrified tiles/ Dark coloured glazed vitrified tiles/ Light coloured antiskid / matt vitrified tiles/ Dark coloured antiskid / matt vitrified tiles | Sqm | 1623 | |
| R3-CS-FL-65 | Providing and fixing 9 to 10 mm thk. vitrified tiles as specified below conforming to I.S. 15622-2006 with water absorption less than 0.08% and of approved quality, pattern and colour for dado in the dry area including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in proportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement slurry or approved colour grout, finishing, curing etc complete as directed by Engineer In Charge. Light coloured glazed vitrified tiles/ Dark coloured glazed vitrified tiles/ Light coloured antiskid / matt vitrified tiles/ Dark coloured antiskid / matt vitrified tiles | Sqm | 1881 | |
| R3-CS-FL-66 | Providing and laying antibacterial tiles for flooring of an approved, quality, make and pattern /design for flooring in areas like hospitals, kitchens etc. including cement mortar bedding of 25 mm thick in 1:4 proportion, cutting, leveling, jointing, filling the joints by neat cement slurry or approved colour grout, curing, finishing etc complete as directed by Engineer In Charge. | Sqm | 1244 | *** |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-67 | Substrate preparation: - Preparing the substrate by removing oil, grease, mould release agent and wax contaminants by scrubbing with industrial grade detergent or degreasing compounds followed by mechanical cleaning. Then, removing cement laitance and weak concrete by shot blasting or scarifying followed by vacuum cleaning for creating serrations for better bonding of floor topping Application of Ucrete MF:- Providing and applying UCRETE MF- 4mm thick other than Green & Blue Colour including scratch coat of Ucrete MF as per the manufacturer's specification etc. complete... | Sqm | 3352 | *** |
| R3-CS-FL-68 | Providing & applying of a 4 component, single layer, seamless, solvent-free, moisture insensitive, food-safe polyurethane concrete flooring system Ucrete UD200 of density of 2090 kg/cu. mtr to have a textured finish matching below mentioned performance properties:1. Abrasion resistance of SPECIAL class (class AR 0.5 - less than 0.05mm thickness loss) as per BS 8204 part 2 and weight loss of less than 300mg when tested with H22 wheels as per ASTM D 4060.2. Compressive Modulus 3250 Mpa, as per BS 6319 part 6 3. Tensile strength of 6 Mpa as per BS 6319 part 74. Flexural strength of 14Mpa as per EN 13892-25. Fire resistance classification of Bfl-S1 as per EN 13501-1:20026. Cleanable to standards of Stainless steelApplied at a thickness of 9mm over a 1mm scratch coat of Ucrete MF of the same material by an authorised applicator of the manufacturer in accordance to the application guideline as provided by the manufacturer.Note: The minimum grade of concrete required for laying Ucrete Flooring System shall be M25. | Sqm | 8890 | *** |
| R3-CS-FL-69 | Providing & applying of a 4 component, single layer, seamless, solvent-free, moisture insensitive, food-safe polyurethane concrete flooring system Ucrete UD200 of density of 2090 kg/cu. mtr to have a textured finish matching below mentioned performance properties:1. Abrasion resistance of SPECIAL class (class AR 0.5 - less than 0.05mm thickness loss) as per BS 8204 part 2 and weight loss of less than 300mg when tested with H22 wheels as per ASTM D 4060.2. Compressive Modulus 3250 Mpa, as per BS 6319 part 6 3. Tensile strength of 6 Mpa as per BS 6319 part 74. Flexural strength of 14Mpa as per EN 13892-25. Fire resistance classification of Bfl-S1 as per EN 13501-1:20026. Cleanable to standards of Stainless steelApplied at a thickness of 6mm over a 1mm scratch coat of Ucrete MF of the same material by an authorised applicator of the manufacturer in accordance to the application guideline as provided by the manufacturer.Note: The minimum grade of concrete required for laying Ucrete Flooring System shall be M25. | Sqm | 6673 | *** |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-70 | Coving of 50mm: Providing & applying of a smooth 50mmx50mm coving at junctions of floor and wall using polyurethane concrete Ucrete RG and over coated with polyurethane Ucrete DP top coat including surface preparation. | Rmt | 1898 | *** |
| R3-CS-FL-71 | Providing and applying MasterSeal CR 460 which is a 2 component polyurethane sealant at construction joints of same colour as the floor matching the following performance parameters;1. Density – 1550 – 1600 kg/cu.mtrs2. Tensile Strength – 1.6-2.0 Mpa (ISO R527)3. Elongation at break – 205-32% (ISO R 527)4. Hardness (DIN 53505) Shore A – ca 80Including cutting the joints in Ucrete after curing and filling to size of 7mm x 5mm. | Rmt | 633 | *** |
| R3-CS-FL-78 | Providing and laying 20-25mm average thick granite stone laid with knife edge joints over c.m. bedding of 1:6, for flooring / skirting / dado, with cement float and grout of same colour of the stone. The granite flooring shall be mirror polished. Basic rate to be considered @ Rs.3300/- per sq.m. for cut size. | Sqm | 5257 | *** |
| R3-CS-FL-79 | Providing & fixing 20+2 mm thick machine cut mirror polish 1st quality Granite riser 150mm ht. for staircase (black galaxy or approved) polished,including backing coat of 1:4 cement plaster/mortar/cement paste , cleaning etc. complete as per Architects details drawing and design.(Basic rate of granite is Rs.3600/-Sq.m.) | Rmt | 986 | *** |
| R3-CS-FL-80 | Providing&fixing 20 +mm thick machine cut mirror polish 1st qualityGranite treads 300mm wide for staircase (black galaxy or approved)including grooves and edge moulding & polishing with backing coat of 1:4 cement plaster/mortar/cement paste,cleaning etc.complete as perArchitects details drawing and | Rmt. | 2263 | *** |
| R3-CS-FL-81 | Providing&ixing skirting of Vitrified mirror finish size of 100x10mm thick (Nitco ,Euro ,Bell)of approved make & shade and pattern forflooring in required position laid on CM: 1:4 including neat cement slurry,filling joints with colour pigments of matching shade, curingand cleaning etc.complete. | Rmt | 263 | *** |
| R3-CS-FL-82 | Providing & fixing Vitrified tile dado for toilet of size 600x300x10mm thick (Nitco ,Euro ,Bell) of approved make & shade in required position including backing coat plaster in CM:1:4 including neat cement paste curing ,filling the joints with white cement & colour pigmentto match the shade of cladding and cleaning etc.complete. | Sqm | 1757 | *** |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-83 | Providing&fixing in position 20 +/-2mm thick machine cut, mirrorpolished, 1st quality granite cladding such as black galaxy or approved equivalent in lift lobby / passage installed in approved pattern and design of size 600 x 1200mm and as directed including backingcoat of 1:4 cement plaster of required thickness with stainless steelfasteners cleats etc. The joint between the granite slabs to be filled white cement mixed with with matching pigments. The rate toinclude all curing, polishing at all lift and levels. (Basic rate ofgranite is Rs.3600/-Sq.m.) | Sqm | 5813 | *** |
| R3-CS-FL-84 | Providing & fixing 20+2mm thick machine cut mirror polish 1st quality Granite window sill (black galaxy or approved shade) including edge polishing, backing coat of 1:4 cement plaster / mortar/cement paste , cleaning etc. complete as per Architects details drawing and design. (Basic rate of granite is Rs.3600/-Sq.m.) | Rmt | 2071 | *** |
| R3-CS-FL-85 | Providing & Fixing Approved colour Homogeneous Flooring 2 mm thick of Single layered Flexible Vinyl flooring (spica of Tusker vinyl floorings) in roll form over provided I.P.S. flooring,fixing over I.P.S./ Kota stone flooring with approved adhesive, all joints to be soldered by P.V.C. rods as per manufacturers specifications,etc. complete as directed including proper levels & cleaning. (Roll width minimum 2.0 Mtr., weight of P.V.C. flooring 90 kg./ 30 Sq.M. The | Sqm | 2352 | *** |
| R3-CS-FL-86 | Providing & Fixing Approved colour 1mm thick of Homogeneous wall covering capila of Tusker vinyl) in roll form over wall with approved adhesive all joints to be filled by PVC soldering rods as per manufacturers specifications etc complete & as directed by the Engineering-In-Charge including proper line,level,cleaning (Roll width 2 M X 10XM) | Sqm | 1733 | *** |
| R3-CS-FL-87 | Providing & Laying HINDUSTAN paving Tiles on Road of Vindhya Floor tiles having abrasion/wear resistance & wet Transverse strength, size 355mm x 355mm x 25mm thick fixing on cement mortar 1:4 in any colour & pattern as directed by Architect etc complete. | Sqm | 1469 | *** |
| R3-CS-FL-88 | TELEPHONE BLACK GRANITE WASH HAND BASIN COUNTER : Providing and making wash basin counter in single piece of 18 mm to 20 mm thk. Telephone Black granite 600 mm side fixed over 25 to 40 mm thk. Black Cuddappa, stand with type construction,by making zari, in walls upto 75 mm deep & fitting the wall surface by C.M. 1:2 with necessary moulding,profile cutting in granite and cudappa including making hole to receive pillar cock for wash basin etc complete and as per detailed | Rmt | 9962 | *** |
| R3-CS-FL-89 | ACCESS FLOORING -Providing & fixing anti-static flooring at server room with pedestal supports & complete. | Sqm | 4148 | *** |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-90 | Providing and laying machine cut and mirror polished approved coloured ITALIAN MARBLE SLAB approved size, 20 mm +/- 2 mm thick of approved quality with approved quality, Italian marble inlays for flooring in required pattern on a bed of 1:4 cement mortar 25- 30 mm average thickness including neat cement float, filling joints with neat coloured cement slurry, curing, polishing and cleaning complete. (Basic rate of ITALIAN marble Rs. 6450/-per Sq.M) | Sqm | 7715 | *** |
| R3-CS-FL-91 | ITALIAN MARBLE CLADDING Providing and fixing machine cut and mirrorpolished approved coloured ITALIAN MARBLE SLAB with inlays of approved size, 20mm +2mm thk. Of approved quality for required pattern on a bed of 1:4 CM 25mm average thickness including neat cement float, filling joints with neat coloured pigment, curing, polishing and cleaning etc. complete. (Basic rate of ITALIAN | Sqm | 7846 | *** |
| R3-CS-FL-92 | Providing and laying at site 8mm thick laminated flooring having an inbuilt 1mm soundbloc CS backing - class of use 33/23, wear resistance AC-5, impact resistance - IC 3, (as per EN 13329), top surface having a MLC (Multi Layer Composite) high pressure laminate, top surface treated with (Aluminium Oxide) surface guard (tm) plus on top of high density fibreboard substrate (density 910 kg/m3) specially developed core; of plank size 1994mm x 194mm having smart lock tongue and groove joints to secure long lasting joint. The edge of tongue and groove of planks duly impregnated with paraffin. The approved decor planks to be placed on underly - 0.2mm thick alkali resistant polyethylene sheet (Density 935 Kg/m3) to resist any moisture movement from the sub floor and secure floating floor installation. Pergo original conforms to EN 13329, ASTM C 1028, DIN 52185, DIN 54345, EN 717-2, DIN 4102.oring | Sqm | 2154 | *** |
| R3-CS-FL-93 | Providing & fixing 20mm +/- 2mm thick both side mirror polished approved colour Granite Urinal partitions of 600 mm wide & 1550 mm high with round edges moulding and fixed in C.M. 1:2 and filling joints in white cement mixed with pigment to match the colour of granite including curing, cleaning etc. complete. (Basic Rate Rs 3600/sqm) | Nos | 6522 | *** |
| R3-CS-FL-94 | Providing and Fixing Vitrified Tile of size 600 x 600 x 10mm of approved make in Dado portion | Sqm | 2129 | *** |
| R3-CS-FL-95 | Supply & Installation of 3.45 mm thick heterogeneous PVC Vinyl flooring of certified by EN(European Standard) 14904, in rolls form of 2m wide and 23m long, total weight 3295 g/m2, Shock Absorption as per EN 14808 - 6%, Friction as per EN 13036-4 - 80 to 110, Vertical deformation as per EN 14809 - 0.4mm, Vertical Ball Behaviour as per EN 12235 - 98%, 100% recyclable, VOC emission after 28 days lower than ≤10µg/m3, Phthalate Free. The laid flooring shall comply the fire rating CFL S1 as per EN 13501-The joints should be thermo welded with matching welding rods provided by the manufacturer. After welding the flooring will be seamless. The sub-surface should be absolutely at one level (Zero) for | Sqmt | 2414 | *** |



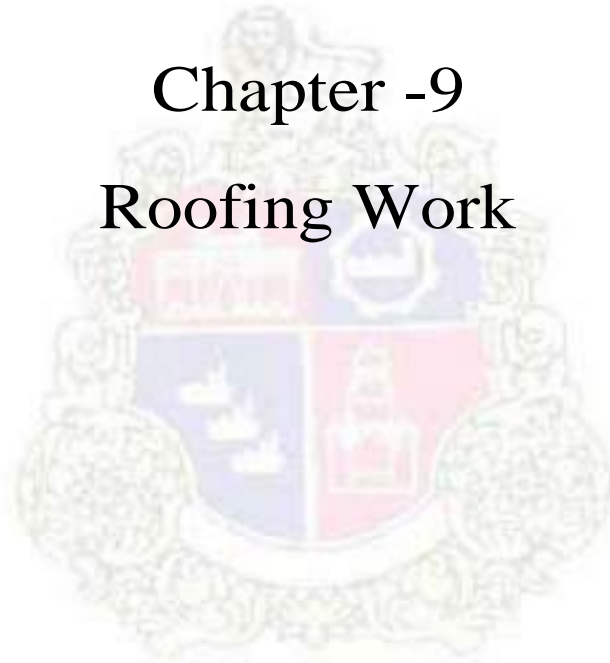
Buildings Schedule/ Common Schedule 2023
Flooring Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE | STAR RATING |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|
| R3-CS-FL-96 | Extra over for providing PVC spacers for fixing of Vitrified tiles having thickness 10mm with joint width of 5 mm between adjacent tiles and filling the same with high performance epoxy based chemical resistant tile grout of (Roff or equivalent brand approved brand) and approved shade complete as per manufacturers specification . | Sqm | 198 | *** |
| R3-CS-FL-97 | Extra over for providing PVC spacers for fixing of Vitrified tiles having thickness 8 mm with joint width of 3mm between adjacent tiles and filling the same with Cement based joint filling grout with chemical additives and fillers of (Roff or equivalent brand approved brand) approved shade complete as per manufacturers specification . | Sqm | 34 | *** |
| R3-CS-FL-98 | Fixing of Vitrified/Ceramic or any other tile in dado with tiling adhesive(Roff or equivalent brand) on plastered surface of approved brand instead of Cement slurry as per manufacturers specification | Sqm | 508 | *** |



Chapter -9

Roofing Work



Buildings Schedule/ Common Schedule 2023
Roofing Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) 2022 (Ex. GST) | STAR RATING |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------|-------------|
| R3-CS-RW | ROOFING WORKS | | | |
| R3-CS-RW-01 | Providing and fixing 20mm thick Mangalore tiles of approved make as roof including fixing in cement mortar (1:3) with necessary vatas and cement pointing, coloured with red or dammering etc. complete as directed. | Sqm | 362 | |
| R3-CS-RW-02 | Providing & laying on roof 20mm thick Mangalore tile ridge caps and /or hip sets on existing wooden or steel frame structure including fixing in cement mortar (1:3) with necessary vatas and cement pointing, coloured with red or dammering, etc complete as directed. | Rmt | 200 | |
| R3-CS-RW-03 | Providing and fixing country teak wood battens 50 mmx25 mm and placed about 250 mm C/C etc complete, as directed | Sqm | 391 | |
| R3-CS-RW-04 | Providing and fixing 6 mm thick Non-asbestos high impact Polypropylene reinforced cement corrugated sheet of approved make conforming to IS: 14871-2000 laying the same in position as per the stipulation in IS: 3007-1991 using 8m dia polymer coated iron L or J hook bolts, galvanized iron & bituminous washers, or self drilling fasteners and EPDM washers, galvanized iron clamps, nuts and bolts etc. complete and as directed. (Net Area covered by sheeting will be measured. Laps will not be paid separately) | Sqm | 452 | |
| R3-CS-RW-05 | Extra for straight cutting in non- asbestos polypropylene reinforced cement corrugated, semi-corrugated 6 mm thick sheet roofing for making openings of area not exceeding 0.5 square meter for chimney stacks, skylights etc. complete as directed. | No. | 213 | |
| R3-CS-RW-06 | Extra for circular cutting in non-asbestos polypropylene reinforced cement corrugated/semi-corrugated 6 mm thick sheet roofing for making openings of area not exceeding 0.50 square meter etc. complete as directed. | No. | 443 | |
| R3-CS-RW-07 | Providing and fixing non-asbestos fiber cement high impact polypropylene reinforced roofing accessories in all colours with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers or with self drilling fastener and EPDM washer etc. complete as directed. | | | |
| R3-CS-RW-07-a | Corrugated serrated adjustable ridges | Rmt | 413 | |
| R3-CS-RW-07-b | Plain wing adjustable ridges | Rmt | 456 | |
| R3-CS-RW-07-c | Close fitting adjustable ridges | Rmt | 668 | |
| R3-CS-RW-07-d | Unserrated adjustable hips | Rmt | 521 | |
| R3-CS-RW-07-e | Eave's filler pieces | Rmt | 270 | |
| R3-CS-RW-07-f | North light curves | Rmt | 564 | |
| R3-CS-RW-07-g | ventilator curves | Rmt | 383 | |
| R3-CS-RW-07-h | Barge boards | Rmt | 294 | |
| R3-CS-RW-07-i | Ridge finials | Pair | 318 | |
| R3-CS-RW-07-j | Special north light curves | Rmt | 507 | |
| R3-CS-RW-07-k | S type louvers | Rmt | 437 | |



Buildings Schedule/ Common Schedule 2023

Roofing Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) 2022 (Ex. GST) | STAR RATING |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------|-------------|
| R3-CS-RW-08 | Providing and fixing in position UV resistant, fire retardant, virtually unbreakable and temperature resistant (-40° C to +130° C) Polycarbonate corrugated sheet of 2mm thickness for roof of approved make to match the roof profile at any height with G.I. J hooks bolts of G.I. clamps nuts & bolts or with self drilling fastener and EPDM washer etc. complete as directed. | Sqm | 1825 | |
| R3-CS-RW-09 | Providing and fixing single skin trapezoidal profiled sheeting 930 - 1020mm cover width 28-32 mm crests depth at 186-250 c/c (above 195 mm c/c crest distance there will be minimum 2 ribs at the centre for stiffening). The feed material shall be manufactured from AZ 150 (min. 150 gms/sq.mt total on both sides) Zincalume / Galvalume sheets of minimum yield strength of 550 MPa, 0.45 mm BMT, (0.5 mm TCT excluding paint coating thickness), metallic hot dip coated with Al-Zn alloy (55% Aluminium, 43.5% Zinc, 1.5% Si) as per AS 1397 / IS15961 & painted with Super Durable Polyester Colorbond steel XRW or equivalent quality paint system of approved color, suitable for exterior application conforming to AS/NZS 2728:2007 type-4 / IS15965: class3 of approved make. The sheet shall have a total coating thickness of 35 microns, super durable polyester paint system of 20 microns on exposed surface and 5 micron reverse polyester coat on back surface over 5 micron primer coat on both surfaces. The paint system shall have stable inorganic pigments for color durability. The product will be fastened using no.12-14x55 mm (or as per design requirement), mechanically coated with 25 micron Zn-Sn alloy or hot dipped zinc coated with min 40 micron hex self-drilling fasteners with EPDM washer of approved make confirms to AS3566:2002 class 3. | | | |
| R3-CS-RW-09-a | Bare Galvalume/zincalume sheets for roofing | Sqm | 667 | ** |
| R3-CS-RW-09-b | Colour Coated Galvalume/zincalume sheets for cladding | Sqm | 705 | ** |
| R3-CS-RW-09-c | Colour Coated Galvalume/zincalume Flashings and Cappings 600mm wide | Rmt | 443 | ** |
| R3-CS-RW-09-d | Colour Coated Galvalume/zincalume Crimp Curve up to 900mm wide | Rmt | 589 | ** |
| R3-CS-RW-09-e | Colour Coated Galvalume/Zincalume ridge. | Rmt | 510 | |
| R3-CS-RW-09-f | Colour Coated Galvalume/Zincalume Barge Board | Rmt | 452 | |
| R3-CS-RW-10 | Removing Existing Mangalore tiles / AC / GI / Galvalume Sheets/polycarbonate plain and corrugated sheets from roof / cladding / partitions etc., excluding supporting structure but including scaffolding, handling, transporting, sorting and stacking at site lead up to 150m and or disposing etc complete as directed. | Sqm | 127 | |
| R3-CS-RW-11 | Refixing existing material after sorting and cleaning, removed from the existing structure as discribed in Item no. R3-CS-RW-10 using 8m dia polymer coated iron L or J hook bolts, galvanized iron & bituminous washers, or self drilling fastners and EPDM washers, galvanized iron clamps, nuts and bolts including sealing the existing holes with suitable material etc. complete and as directed. (Net Area covered by sheeting will be measured. Overlaps will not be paid separately) | Sqm | 203 | |



Buildings Schedule/ Common Schedule 2023
Roofing Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) 2022 (Ex. GST) | STAR RATING |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------|-------------|
| R3-CS-RW-12 | Supplying, fabricating, transporting to site and erecting 3.12mm thick MS gutter with all necessary supporting arrangement laid to proper slope, at all heights and levels, including surface cleaning, Grinding and removing the welding burr and applying one coats of red oxide zinc chromate primer and two coats of synthetic enamel paint on underside before erection & one coat of rubberized waterproof paint on upper side after erecting including making necessary connections with rain water pipes etc complete as directed. | | | |
| R3-CS-RW-12-a | Girth upto 600mm | Rmt | 1255 | |
| R3-CS-RW-12-b | Girth from 601 to 800mm | Rmt | 1498 | |
| R3-CS-RW-12-c | Girth from 801 to 1000mm | Rmt | 1741 | |
| R3-CS-RW-12-d | Girth from 1001 to 1200mm | Rmt | 1983 | |
| R3-CS-RW-13 | Galvanised iron sheet 1 mm (20 B.W.G.) eaves precoated gutter 200 mm to 230 mm wide and 100 mm to 125 mm deep moulded or half round girth upto 600mm including iron rods, on the edges (throughout the length) and galvanised iron sheet ferrules with fixtures, for outlets wherever required clamped using W.I. clamp 38 mm x 3 mm fixed 1.0 m C/C including making necessary connections with rain water pipes etc complete and as directed. | Rmt | 939 | |
| R3-CS-RW-14 | Galvanised iron sheet 0.8 mm (22 B.W.G.) eaves precoated gutter 200 mm to 230 mm wide and 100 mm to 125 mm deep moulded or half round girth up to 600mm including iron rods, on the edges (throughout the length) and galvanised iron sheet ferrules with fixtures, for outlets wherever required clamped using W.I. clamp 38 mm x 3 mm fixed 1.0 m C/C including making necessary connections with rain water pipes etc complete and as directed. | Rmt | 830 | |
| R3-CS-RW-15 | Providing and fixing box type precoated gutter of width 350 mm and depth 250 mm clear inside, made of 22 gauge G.I.sheets with socket type opening on top to receive ferrules from longitudinal truss gutters and ferrules at end, with all the fixtures and fastenings, gutters to be supported on M.S. flat hangers 750 MM C/C which are fixed on top as directed and laid to proper slope, as specified including making necessary connections with rain water pipes etc complete and as directed. (Rate includes cost of hangers, the fixing charges, 3 coats of synthetic enamel paint, and welding if required). | Rmt | 1583 | |
| R3-CS-RW-16 | Providing and fixing UV resistant selffit UPVC pipes of approved make for Rainwater downtakes confirming to IS 13592:1992 Type A suitable for 4kg/sqcm pressure for following pipe diameters including rain water receiving recess with pvc plug bend necessary fittings such as offsets shoes, fixing the pipes on wall with clips filling the joints with solvent/cement and necessary scaffolding etc. complete as directed by Engineer In Charge. | | | |
| R3-CS-RW-16-a | 75mm dia | Rmt | 247 | |
| R3-CS-RW-16-b | 100mm dia | Rmt | 339 | |
| R3-CS-RW-16-c | 150mm dia | Rmt | 603 | |
| R3-CS-RW-16-d | 200mm dia | Rmt | 410 | |



Buildings Schedule/ Common Schedule 2023
Roofing Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) 2022 (Ex. GST) | STAR RATING |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------|-------------|
| R3-CS-RW-17 | Supplying and Fixing 75 mm internal dia. 3.5 mm thk. (weight approx. 6.66 Kg./Rm.) centrifugally cast C. I. pipes Confirming to IS 3989, sockets spigots type pipe for rain water/soil waste and ventilation with all fittings including scffolding, 1 : 1 CM jointing proper embedding and fixing on wall & column etc complete as directed. | Rmt | 1470 | *** |
| R3-CS-RW-18 | Supplying and Fixing 100 mm internal dia. 4.0 mm thk. (weight approx. 10.0 Kg./Rm.) centrifugally cast C. I. pipes Confirming to IS 3989, sockets spigots type pipe for rain water/soil waste and ventilation with all fittings including scffolding, 1 : 1 CM jointing proper embedding and fixing on wall & column etc complete as directed. | Rmt | 1753 | *** |
| R3-CS-RW-19 | Supplying and Fixing 150 mm internal dia. 5.0 mm thk. (weight approx. 18.66 Kg./Rm.) centrifugally cast C. I. pipes Confirming to IS 3989, sockets spigots type pipe for rain water/soil waste and ventilation with all fittings including scffolding, 1 : 1 CM jointing proper embedding and fixing in wall & column etc complete as directed. | Rmt | 3087 | *** |
| R3-CS-RW-20 | Providing and fixing 0.6mm thk Colour Galvalume 90mm Square pipe for Rainwater down takes including all fittings etc complete as directed. | Rmt | 1209 | *** |
| R3-CS-RW-21 | Providing and fixing polycarbonate multiple wall sheet roofing 16mm thick gauge of approved make UV coated of approved make and of approved colour and with aluminium framing for fixing polycarbonate sheet using pressure plates with EPDM gasket (compatible to polycarbonate) breather tape, screws and covering the pressure plates complete and making the entire system water tight by using sealant as per architectural drawings and specification.(Rate does not include cost of structural steel framing which will be paid seperately) | Sqm | 5442 | |
| R3-CS-RW-22 | Providing and fixing polycarbonate multiple wall sheet roofing 20mm thick gauge of approved make UV coated of approved make and of approved colour and with aluminium framing for fixing polycarbonate sheet using pressure plates with EPDM gasket (compatible to polycarbonate) breather tape, screws and covering the pressure plates complete and making the entire system water tight by using sealant as per architectural drawings and specification.(Rate does not include cost of structural steel framing which will be paid seperately) | Sqm | 5923 | |
| R3-CS-RW-23 | Providing and fixing polycarbonate top seam panel sheet roofing 16mm thick gauge of approved make UV coated of approved make and of approved colour and breather tape, screws complete and making the entire system water tight as per architectural drawings and specification.(Rate does not include cost of structural steel framing which will be paid seperately) | Sqm | 7865 | |
| R3-CS-RW-24 | Providing and fixing polycarbonate top seam panel sheet roofing 20mm thick gauge of approved make UV coated of approved make and of approved colour and breather tape, screws complete and making the entire system water tight as per architectural drawings and specification.(Rate does not include cost of structural steel framing which will be paid seperately) | Sqm | 9273 | |



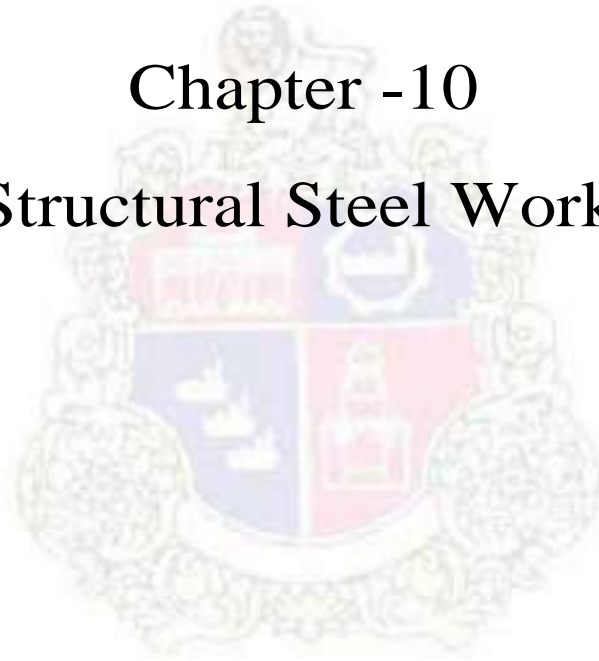
Buildings Schedule/ Common Schedule 2023
Roofing Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) 2022 (Ex. GST) | STAR RATING |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------|-------------|
| R3-CS-RW-25 | Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rofigs incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866.The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified. (1.50 mm thick coloured F.R.P. corrugated sheet) | Sqm | 908 | |
| R3-CS-RW-26 | Providing corrugated G.I. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. | | | |
| R3-CS-RW-26-a | 0.63 mm thick GI corrugated sheet with zinc coating not less than 275 gm/m ² | Sqm | 437 | |
| R3-CS-RW-26-b | 0.8 mm thick GI corrugated sheet with zinc coating not less than 275 gm/m ² | Sqm | 437 | |
| R3-CS-RW-26-c | 1.0 mm thick GI corrugated sheet with zinc coating not less than 275 gm/m ² | Sqm | 447 | |
| R3-CS-RW-27 | Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete. | | | |
| R3-CS-RW-27-a | 0.63 mm thick GI corrugated sheet with zinc coating not less than 275 gm/m ² | Sqm | 805 | |
| R3-CS-RW-27-b | 0.8 mm thick GI corrugated sheet with zinc coating not less than 275 gm/m ² | Sqm | 814 | |
| R3-CS-RW-27-c | 1.0 mm thick GI corrugated sheet with zinc coating not less than 275 gm/m ² | Sqm | 833 | |
| R3-CS-RW-28 | POLYCARBONATE SKYLIGHT SYSTEM Supply & Fixing of 16 mm thick MULTICELL (6-Wall, 5-Cell System) daylight polycarbonate extruded translucent 900 mm wide panels with a vertical standing seam at both sides of the panel. The system includes snap-on connector interlocking the panels, end profile, end cap, screws, concealed stainless steel retention clips and with Double wall Aluminium Spacer on both sides. The fully assembled system is free floating. Each component is free to thermally expand or contract at its own rate, eliminating "waves" or deflections & maintaining structural properties of material. Sheets will be installed in Single Length upto 100 mtr. Approved makes- GE,Luxar, Bayer,Mccooy or equivalent brand) | Sqm | 4317 | |



Chapter -10

Structural Steel Work



| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| R3-CS-SS | STRUCTURAL STEEL WORKS | | |
| R3-CS-SS-01 | Providing, detailing, fabricating and fixing at desired location using hot rolled sections and MS Plates of grade Fe 250 as per specifications and approved fabrication drawings (which are to be prepared by Contractor and got approved from Engineer), transporting to site and erecting structural steel members for all heights & at all levels including provision of necessary erection bolts, fixing bolts, nuts, washers, cleats, stiffeners, gussets, base plate, and all necessary fixtures and operations like preheating as per specifications, straightening, bending, cutting, drilling, grinding, machining if specified, welding, grinding and removing the welding burr and preparing surface for painting with wire brush cleaning and applying two coats of epoxy red oxide zinc phosphate primer of 30 microns each and two coats of Epoxy Corrosion Resistant Enamel paint of 30 microns after fabrication including touching up with spray painting after erection etc complete as directed by Engineer In Charge. (The qty. for this item shall be measured for gusset plates, base plates, bolts in M.T.) | MT | 90876 |
| R3-CS-SS-02 | Providing, detailing, fabricating and fixing built up sections at desired location using MS Plates of grade Fe 250 as per specifications and approved fabrication drawings (which are to be prepared by Contractor and got approved from Engineer), erecting structural steel members for all heights & at all levels including provision of necessary erection bolts, fixing bolts, nuts, washers, cleats, stiffeners, gussets, base plate, and all necessary operations like preheating as per specifications, straightening, bending, cutting, drilling, grinding, machining if specified, welding, grinding and removing the welding burr and preparing surface for painting with wire brush cleaning and applying two coats of epoxy red oxide zinc phosphate primer of 30 microns each and two coats of Epoxy Corrosion Resistant Enamel paint of 30 microns after fabrication including touching up with spray painting after erection etc complete as directed by Engineer In Charge. | MT | 88029 |
| R3-CS-SS-03 | Providing, detailing, fabricating and fixing erecting GI cold formed sections (GSM 120 Min), conforming to the physical specifications of ASTM A-607 (Grade 50) having minimum yield strength of 345 N/mm ² and as per specifications and approved fabrication drawings (which are to be prepared by Contractor and got approved from Engineer) for all heights & at all levels including transportation of the same to site, erection, provision of necessary erection bolts, fixing bolts, nuts, washers, cleats, and all necessary operations like straightening, cutting, drilling as specified, welding, cleaning, grinding and removing the welding burr etc. complete as directed by Engineer In Charge. | MT | 64253 |



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| R3-CS-SS-04 | Providing, detailing, composite fabricating members like Trusses, N-girders, girders, bracings, supports, purlins, runners, and similar structural steel members fabricated using M.S. hollow tubular steel sections (circular & rectangular pipes), of TATA Structura Make or equivalent conforming to IS 1239 part 1 and 2 and of grade Fe 250 as per specifications and approved fabrication drawings (which are to be prepared by Contractor and got approved from Engineer), including transportation of the same to site, erection of structural steel members for all heights & at all levels, provision of necessary erection bolts, fixing bolts, nuts, washers, cleats, stiffeners, gussets, base plate, and all necessary operations like preheating as per specifications, straightening, bending, cutting, drilling, grinding, machining if specified, welding, grinding, removing the welding burr and preparing surface for painting with wire brush cleaning and applying two coats of epoxy red oxide zinc phosphate primer of 30 microns each and two coats of Epoxy Corrosion Resistant Enamel paint of 30 microns after fabrication including touching up with spray painting after erection etc complete as directed by Engineer In Charge. | MT | 86743 |
| R3-CS-SS-05 | Providing and Fixing of Foundation Bolts and nuts in RCC column / pedestal / beam at any level including maintaining the accuracy towards line, level & position including making and using the template etc. complete as directed by Engineer In Charge. (Contractor will take due care for its threads and rusting by applying grease and cotton waste. | MT | 311456 |
| R3-CS-SS-06 | Providing and fixing the Mechanical Anchor Fasteners as specified below of Hilti Make or equivalent confirming to IS 1367 (Part 3) at required locations and level including drilling the hole, cleaning and anchoring the bolt as per manufacturers specifications etc. complete as directed by Engineer In Charge. | | |
| R3-CS-SS-06-a | M8 x 115 | Nos | 67 |
| R3-CS-SS-06-b | M10 x 110 | Nos | 71 |
| R3-CS-SS-06-c | M12 x 115 | Nos | 81 |
| R3-CS-SS-06-d | M16 x 140 | Nos | 87 |
| R3-CS-SS-06-e | M20 | Nos | 121 |
| R3-CS-SS-07 | Providing and fixing the Chemical Anchor Fasteners as specified below of Hilti Make or equivalent confirming to IS 1367 (Part 3) at required locations and level including drilling the hole, cleaning with blow pump and anchoring the bolt with chemical as per manufacturers specifications etc. complete as directed by Engineer In Charge. | | |
| R3-CS-SS-07-a | M10 x 90 foil capsule (HVU) & M10 x 130 Rod | Nos | 213 |
| R3-CS-SS-07-b | M12 x 110 foil capsule (HVU) & M12 x 160 Rod | Nos | 327 |
| R3-CS-SS-07-c | M16 x 125 foil capsule (HVU) & M16 x 190 Rod | Nos | 433 |
| R3-CS-SS-07-d | M20 x 170 foil capsule (HVU) & M20 x 240 Rod | Nos | 579 |
| R3-CS-SS-07-e | M24 x 210 foil capsule (HVU) & M24 x 290 Rod | Nos | 677 |



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| R3-CS-SS-08 | Providing, detailing, fabricating and fixing at desired location using M.S. chequered Plates of any thickness and of grade Fe 250 as per specifications and approved fabrication drawings (which are to be prepared by Contractor and got approved from Engineer), including transportation of the same to site, erection at all heights and levels, provision of necessary erection bolts, fixing bolts, nuts, washers, cleats, stiffeners, and all necessary operations like preheating as per specifications, straightening, bending, cutting, drilling, grinding, machining if specified, welding, grinding and removing the welding burr and preparing surface for painting with wire brush cleaning and applying two coats of epoxy red oxide zinc phosphate primer of 30 microns each and two coats of Epoxy Corrosion Resistant Enamel paint of 30 microns after fabrication including touching up with spray painting after erection etc complete as directed by Engineer In Charge. | MT | 92523 |
| R3-CS-SS-09 | Providing and fixing G.I. barbed wire fencing of 14 gauge having 2 ply and 4 points at 75 mm c/c in the rows and with vertical supports as specified below embedded 0.45 m in the concrete block of size 0.3x0.3x0.5m, and 1.55m above the same spaced at 2.5 m c/c with inclined stays of the same material at 20 m c/c fixed in M15 grade cement concrete base block having dimension 0.3 x 0.3 x 0.5 m, including cross wires in each bay, necessary excavation, backfilling and curing etc. complete as directed by Engineer In Charge. | | |
| R3-CS-SS-09-a | With MS Angle 45 x 45 x 6 mm including painting with one coat of anti- corrosive paint, and two coats of approved enamel and 10 rows of Barbed wire. | Rmt | 907 |
| R3-CS-SS-09-b | With MS Angle 40 x 40 x 6 mm including painting with one coat of anti- corrosive paint, and two coats of approved enamel and 8 rows of Barbed wire | Rmt | 817 |
| R3-CS-SS-09-c | With coal tarred jungle wood ballies of 100 – 125 mm diameter as specified and 10 rows of Barbed wire. | Rmt | 441 |
| R3-CS-SS-09-d | With coal tarred jungle wood ballies of 100 – 125 mm diameter as specified and 8 rows of Barbed wire. | Rmt | 419 |
| R3-CS-SS-10 | Providing and fixing G.I. barbed wire fencing 10 rows of 14 gauge having two ply four points at 75 mm c/c fixed on RCC poles made of M20 grade concrete embedded 0.5m in M15 grade cement concrete block of size 0.45 x 0.45 x 0.5 m at 2.5m c/c below finished ground level and 1.55 m above the same including inclined stays at every 20 m embedded in the concrete block of the concrete grade M15, cross wire in each bays, necessary excavation, backfilling, curing etc. complete as directed by Engineer In Charge. (The size of concrete pole shall be 0.10 m x 0.10 m. at top and 0.125 m x 0.125 m. at bottom having 2.05 m height. The concrete stays shall be of the same size and having length 2.43 m erected 45 degree angle fixed at the topmost wire) | Rmt | 693 |



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| R3-CS-SS-11 | Providing and fixing G.I. barbed wire fencing 8 rows of 14 guage having two ply four points at 75 mm c/c fixed on RCC poles made of M20 grade concrete embedded 0.5m in M15 grade cement concrete block of size 0.45 x 0.45 x 0.5 m at 2.5m c/c below finished ground level and 1.55 m above the same including inclined stays at every 20 m embedded in the concrete block of the concrete grade M15, cross wire in each bays, necessary excavation, backfilling, curing etc. complete as directed by Engineer In Charge. (The size of concrete pole shall be 0.10 m x 0.10 m. at top and 0.125 m x 0.125 m. at bottom having 2.05 m height. The concrete stays shall be of the same size and having length 2.43 m erected 45 degree angle fixed at the topmost wire) | Rmt | 517 |
| R3-CS-SS-12 | Providing and fixing 750mm dia concertina barbed razeer type coil of 19mm wide ribbon with thickness 5 SWG and central core wire of 12 SWG with anti rust coating, supported over 5 rows of barbed wires of 14 SWG having two ply four points at 75 mm c/c, fixed to Y shape angle bracket placed at 2.5m c/c (leg of Y should be 0.51 m long and 0.23 m embedded in concrete, wing of Y should be 0.475 m long having a distance of 0.58 m between the two wing on the top) made up of 50mm x 6 mm M.S. angle embedded in cement concrete bed block of size 300mm x 300mm x 300mm. The concertina coil should be fixed to angle with M.S. Flat 25mm x 5mm thick on both the sides as runner all steel work shall be applied with one coat of red oxide zinc chromate primer and two coat of Synthetic Enamel paint etc. complete as directed by Engineer In Charge. | Rmt | 579 |
| R3-CS-SS-13 | Supplying, fabricating, transportation to site and Fixing Galvanized Chain Link Fencing of 10 gauge G.I. Mesh, sizes 50 x 50 mm diamond pattern, fixed 75 mm below finished ground level / coping, including providing and erecting ISA 50x50x6 angle posts @ 2.5m C/C with cross support at every 8th pole & at corners and 2 nos 6mm dia MS bars at top and bottom with necessary U hooks, nuts and bolts, washers, total height of fencing @ 2.0m above ground including embedding the angle post in concrete block of 0.45m x 0.45m x 0.6m of cement concrete M15 grade including necessary excavation, and cleaning, preparing the surface, applying one coat of red oxide zinc chromate primer and two coats of Synthetic Enamel paint of approved manufacture, brand, colour, shade etc. complete as directed by Engineer In Charge. (first coat of synthetic enamel paint after fabrication and second coat after erection including touching up the primer coat) | Sqm | 1116 |
| R3-CS-SS-14 | Providing and fixing G.I. crimped wire mesh of required openings of size 25 mm x25 mm or of any size with main and cross wires of 10 gauge approved type as per manufacture's specifications with necessary fittings including painting with one coat of one coat of red oxide zinc chromate primer and two coats of approved synthetic enamel paint etc. complete as directed by Engineer In Charge. (Iron works will be paid separately. The clear visible area of the wire mesh exclusive overlap will be paid for). | Sqm | 1345 |



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| R3-CS-SS-15 | Providing, detailing, and fabricating as per specifications, transporting to site and erecting MS Openable / Sliding / Ornamental Entrance Gates including track and wheel, locking arrangement, fixing bolts, nuts, washers, cleats, stiffeners, gussets decorative balusters, arrow heads etc. and all necessary operations like straightening, bending, cutting, drilling, grinding, machining if specified, welding etc. complete weighing 25 to 30 kg/Sqm, including cleaning, Grinding and removing the welding burr and preparing surface and applying one coat of red oxide zinc chromate primer and one coat of Synthetic Enamel paint after fabrication and second coat of Synthetic Enamel paint after erection, with approved colour, shade and brand etc. including touching up with primer etc. complete as directed by Engineer In Charge. | Sqm | 4670 |
| R3-CS-SS-16 | Providing, detailing, and fabricating as per specifications, transporting to site and erecting MS Openable / Sliding / Ornamental Entrance Gates including track and wheel, locking arrangement, fixing bolts, nuts, washers, cleats, stiffeners, gussets decorative balusters, arrow heads etc. and all necessary operations like straightening, bending, cutting, drilling, grinding, machining if specified, welding etc. complete weighing 60 to 65 kg/Sqm, including cleaning, Grinding and removing the welding burr and preparing surface and applying one coat of red oxide zinc chromate primer and one coat of Synthetic Enamel paint after fabrication and second coat of Synthetic Enamel paint after erection, with approved colour, shade and brand etc. including touching up with primer etc. complete as directed by Engineer In Charge. | Sqm | 9819 |
| R3-CS-SS-16-a | Providing, detailing, and fabricating as per specifications, transporting to site and erecting Openable Entrance Gates fabricated using B Class GI Hollow pipes including track and wheel, locking arrangement, fixing bolts, nuts, washers, cleats, stiffeners, gussets and all necessary operations like straightening, bending, cutting, drilling, grinding, machining if specified, welding etc. complete weighing 18 to 20kg/Sqm, including cleaning, Grinding and removing the welding burr and preparing surface and applying one coat of red oxide zinc chromate primer and one coat of Synthetic Enamel paint after fabrication and second coat of Synthetic Enamel paint after erection, with approved colour, shade and brand etc. including touching up with primer etc. complete as directed by Engineer In Charge. | Sqm | 3671 |
| R3-CS-SS-17 | Providing, fabricating and fixing 1.0m high Cast Iron hand railing including decorative studs at regular interval, painting with one coat of red oxide zinc chromate primer and two coats of synthetic enamel paint etc complete as directed by Engineer In Charge. | Rmt | 2090 |
| R3-CS-SS-18 | Providing, fabricating, welding and fixing 1.0m high MS pipe hand railing, weight 10 to 12 kg per Rmt including all necessary fixtures, holdfasts, supports and painting with one coat of red oxide zinc chromate primer and two coats of approved synthetic enamel paint etc complete as directed by Engineer In Charge. | Rmt | 1036 |



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| R3-CS-SS-19 | Providing, fabricating M.S. ornamental railing of simple geometrical design weighing as specified below with country teak wood moulded hand rail 10 cm x 5 cm with winders and newel posts complete if required with 3 coats of french polish or synthetic enamel paint, fixing the M.S. railing securely in floor, wall etc. as directed by Engineer In Charge. | | |
| R3-CS-SS-19-a | M.S. ornamental railing weighing 10 kg to 15 kg per sqmt. | Sqm | 1844 |
| R3-CS-SS-19-b | M.S. ornamental railing weighing above 15 kg and upto 20 kg per sqmt. | Sqm | 2149 |
| R3-CS-SS-19-c | M.S. ornamental railing weighing above 20 kg and upto 25 kg per sqmt. | Sqm | 2454 |
| R3-CS-SS-20 | Providing and Fixing decorative Teak wood moulded hand rail of 100mm x 50mm cross section supported over 1.0m high railing fabricated using 12mm Sq MS Bar placed about 100mm c/c vertically and 50mm x 5mm MS Flat at top and bottom including applying one coat of red oxide zinc chromate primer and two coat of Synthetic Enamel paint to Iron work and three coats of melamine polish to wood work, fixing the assembly with anchorefastners or plumbing nails to floor or wall as may be required etc complete as directed by Engineer In Charge. | Rmt | 3082 |
| R3-CS-SS-21 | Providing and Fixing decorative PVC moulded hand rail supported over 1.0m high railing fabricated using 12mm Sq MS Bar placed about 100mm c/c vertically and 50mm x 5mm MS Flat at top and bottom including applying one coat of red oxide zinc chromate primer and two coat of Synthetic Enamel paint to Iron work and three coats of melamine polish to wood work, fixing the assembly with anchorefastners or plumbing nails to floor or wall as may be required etc complete as directed by Engineer In Charge. | Rmt | 2902 |
| R3-CS-SS-22 | Providing, detailing, and fabricating as per specifications, transporting to site and erecting M.S. ladder using hot rolled sections, hollow pipes (Hollow pipes conforming to IS 1239 part 1 and 2) including, fixtures and fastenings, cleats, stiffeners, gussets, etc. and all necessary operations like straightening, bending, cutting, drilling, grinding, machining if specified, welding, removing the welding burr, cleaning etc., fixing in cement concrete block of grade M15, and preparing surface, applying one coat of red oxide zinc chromate primer and one coat of Synthetic Enamel paint after fabrication and second coat of synthetic enamel paint after erection, with approved colour, shade and brand etc. complete as directed by Engineer In Charge. | Kg | 148 |
| R3-CS-SS-23 | Providing, detailing, and fabricating as per specifications, transporting to site and erecting ladder / railing using stainless steel hollow pipes of grade 304 including, S.S. fixtures and fastenings, cleats, stiffeners, gussets etc. and all necessary operations straightening, bending, like cutting, drilling, welding, grinding and removing the welding burr, machining if specified, finishing, cleaning etc. complete as directed by Engineer In Charge. | Kg | 620 |
| R3-CS-SS-24 | Providing and fixing M. S. black pipes for columns, including base plate & cap plate 6 mm. thick foundation bolts, nuts, etc., complete with 3 coats of approved synthetic paint etc., complete as directed. Pipes shall be of Tata or equivalent make. Dia of pole 75 mm. 'B' class. | Rmt | 1082 |



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| R3-CS-SS-25 | Providing and fixing M. S. black pipes for columns, including base plate & cap plate 6 mm. thick foundation bolts, nuts, etc., complete with 3 coats of approved synthetic paint etc., complete as directed. Pipes shall be of Tata or equivalent make. Dia of pole 50 mm. 'C' class | Rmt | 964 |
| R3-CS-SS-26 | Providing and fixing M. S. black pipes for columns, including base plate & cap plate 6 mm. thick foundation bolts, nuts, etc., complete with 3 coats of approved synthetic paint etc., complete as directed. Pipes shall be of Tata or equivalent make. Dia of pole 75 mm. 'C' class | Rmt | 1184 |
| R3-CS-SS-27 | Providing and fixing M. S. black pipes for columns, including base plate & cap plate 6 mm. thick foundation bolts, nuts, etc., complete with 3 coats of approved synthetic paint etc., complete as directed. Pipes shall be of Tata or equivalent make. Dia of pole 150 mm. 'B' class. | Rmt | 1944 |
| R3-CS-SS-28 | Providing and fixing M. S. black pipes for columns, including base plate & cap plate 6 mm. thick foundation bolts, nuts, etc., complete with 3 coats of approved synthetic paint etc., complete as directed. Pipes shall be of Tata or equivalent make. Dia of pole 150 mm. 'C' class | Rmt | 2088 |
| R3-CS-SS-29 | Providing & fixing G. I. corrugated sheet door of size 0.76 m. x 1.9 m. with G. I. sheet shutter of 22 gauge and G. I. sheet box frame of 18 gauge filled with 1 : 2 : 4 cc. including all fixtures i. e. aldrops, tadi, tower bolt, hold fast, handle, hinges including painting etc. complete as directed. | Rmt | 2407 |
| R3-CS-SS-30 | Providing and fixing structural Profile decking sheet as per particular specification, with GI sheet, zinc coating not less than 275 GSM as per IS 277 and of yield strength 500 Mpa of approved make with specified Base Metal Thickness. The profile shall be structural decking profile having ribs & pitch as per the drawing referred with the embossments (shear groove) on top and side of the ribs for better composite action. The decking sheet shall be fabricated to required form as per the slab design and fixed with Galvanised Iron fasteners, self drilling screws, shear studs as per IS 1367, connectors etc. complete as per design, drawing and direction of Engineer-in-Charge. (Refer typical drwg). Plan area of the sheeting shall be measured and paid for. Structural steel frame work, reinforcement steel and concrete shall be paid separately. | | |
| R3-CS-SS-30-a | With Base Metal Thickness (BMT) (excluding Zinc coat thickness) 1.00 mm thick Profile decking sheet . | Sqm | 1041 |
| R3-CS-SS-30-b | With Base Metal Thickness (BMT) (excluding Zinc coat thickness) 1.20 mm thick Profile decking sheet. | Sqm | 1278 |
| R3-CS-SS-30-c | With Base Metal Thickness (BMT) (excluding Zinc coat thickness) 1.60 mm thick Profile decking sheet. | Sqm | 1,464 |

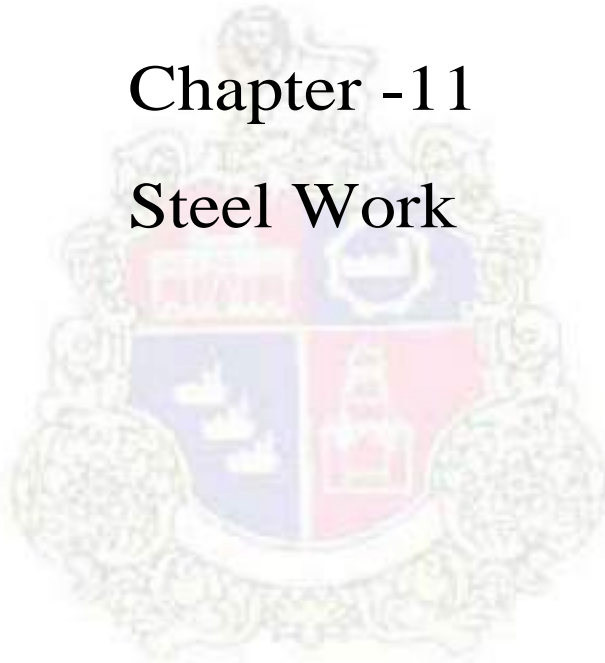


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| R3-CS-SS-30-d | Providing and fixing structural Profile decking sheet as per particular specification, with GI sheet, zinc coating not less than 275 GSM as per IS 277 and of yield strength 500 Mpa of approved make with specified Base Metal Thickness. The profile shall be structural decking profile having ribs & pitch as per the drawing referred with the embossments (shear groove) on top and side of the ribs for better composite action. The decking sheet shall be fabricated to required form as per the slab design and fixed with Galvanised Iron fasteners, self drilling screws, shear studs as per IS 1367, connectors etc. complete as per design, drawing and direction of Engineer-in-Charge. (Refer typical drwg). The sheet shall be filled with 75mm thick M25 grade concrete reinforced with 8mm dia. HYSD bars placed 150mm C/C both ways. Plan area of the sheeting shall be measured and paid. Structural steel frame work shall be paid separately. With Base Metal Thickness (BMT) (excluding Zinc coat thickness) 1.00 mm thick Profile decking sheet . | Sqm | 1748 |
| R3-CS-SS-31 | Providing, fabricating & fixing in position S.S. 304 grade pipe railing for staircase consisting of 18 gauge 50 mm dia. S.S. pipe as top rail, 18 gauge 40 mm dia S.S. pipe as verticals, 18 gauge 25 mm dia as secondary rails, including fixing the verticals to the staircase pardi by means of base plate with socket & anchor fasteners, grinding the welded portion smooth, buffing, protecting the railing members by means of wrappers during construction etc. complete as directed by the Engineer in charge. | MTR | 2892 |
| R3-CS-SS-32 | Providing & fixing S.S. pipe hand rail along the wall in staircase or ramps or passages consisting of 50 mm dia. 18 gauge 304 grade stainless steel pipe. Supported with 25 mm 18 gauge S.S. pipe (304 grade) brackets & 5mm thick tapered edge collar base plate fixed to wall with SS screws at approx. 600 mm center to center fixed horizontally or in inclined position at required height including grinding the welded joints, buffing, protecting the railing members by means of wrappers during construction etc. complete as per detailed drawing as directed by the Engineer in charge. | MTR | 1473 |
| R3-CS-SS-33 | Supplying & Installing Stainless Steel Railing of Goldern Industries Pvt. Ltd. with Top rail using S.S. Pipe of Grade AISI -304 using 51 mm dia pipe with wall thickness of 1.6 mm including fabrication, Cleaning, Buffing & polishing etc. complete. Midrail by using S.S. Pipe of Grade AISI -304 with 2 Nos. S.S. pipes of 16 mm dia & 12 mm thick toughened glass panel including fabrication, Cleaning, Buffing & polishing etc. complete. & The BALUSTAR is to be of satin finish stainless steel vertical post (Balustar) of AISI 304 grade of 47R4 series, etc. complete. (The height of the railing is to be 1.00 meter) | SQM | 5312 |



Chapter -11

Steel Work



| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| R3-CS-SL | STEEL WORKS | | |
| R3-CS-SL-01 | Providing and fixing fully openable type side hung M.S. windows or Ventilator as per IS:1038-1983, IS:7452-1990 made out of outer frame weighing 1.42 kg/cm, vertical dividing member weighing 2.28 kg/cm, glazing member weighing 0.88 kg/m, coupling mullion weighing 1.896 kg/m, Guard bar 12 mm square at 125 m c/c, plain / frosted / tinted glass of 4 mm thickness shall be fixed with approved quality putty. Rate should include providing and fixing box hinge MS sliding locking ball, including steel frame fitted with pegs, hinges, stay rods, fastening, holdfasts embedded in cement concrete grade M15, painting with one coat of red oxide zinc chromate primer and two coats of synthetic enamel paint etc. complete as directed by Engineer In Charge. | Sqm | 3153 |
| R3-CS-SL-02 | Providing and fixing M.S. windows or ventilator Top Hung type as per IS:1038-1983, IS:7452-1990 made out of outer frame weighing 1.42 kg/cm, vertical dividing member weighing 2.28 kg/cm, glazing member weighing 0.88 kg/m, coupling mullion 1.896 kg/m, Guard bar 12 mm square at 125 m c/c, plain / frosted / tinted glass of 4 mm thickness shall be fixed with approved quality putty. Rate should include providing and fixing box hinge MS sliding locking ball, including steel frame fitted with pegs, hinges stay rods fastenings, holdfasts embedded in cement concrete grade M15, painting with one coat of red oxide zinc chromate primer and two coats of synthetic enamel paint etc. complete as directed by Engineer In Charge. | Sqm | 3153 |
| R3-CS-SL-03 | Providing and fixing M.S. windows or ventilator Centrally Pivoted type as per IS:1038-1983, IS:7452-1990 made out of outer frame weighing 1.42 kg/cm, vertical dividing member weighing 2.28 kg/cm, glazing member weighing 0.88 kg/m, coupling mullion 1.896 kg/m, Guard bar 12 mm square at 125 m c/c, plain / frosted / tinted glass of 4 mm thickness shall be fixed with approved quality putty. Rate should include providing and fixing box hinge MS sliding locking ball, including steel frame fitted with pegs, hinges stay rods fastenings, holdfasts embedded in cement concrete grade M15, painting with one coat of red oxide zinc chromate primer and two coats of synthetic enamel paint etc. complete as directed by Engineer In Charge. | Sqm | 3153 |
| R3-CS-SL-04 | Providing and fixing in position collapsible steel gates with vertical channels 20 x 10 x 2 mm & braced with flat iron diagonals 20 x 5 mm size, top & bottom T section 40 x 40 x 6 mm size, 30 mm steel pulleys complete with bolts-nuts, locking arrangements, stoppers, handles and painting with one coat of red oxide zinc chromate primer and two coats of synthetic enamel paint including all labour, materials, tools and equipments, etc complete as directed by Engineer Incharge. | Sqm | 9250 |



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| R3-CS-SL-05 | Providing and fixing rolling shutters made out of 18 gauge steel sheets for curtains, including bottom rail, 100 mm wide guide channels for opening width up to 4.0m and 150mm wide guide channel for opening width more than 4.0m, lock plates, locking arrangement on both sides, fixing bolts, pulling handles, MS hood of appropriate size, rolling arrangement, standard make springs in brackets etc. including fixing of frames with rag bolts, grouting of parts in position etc. and also including two coats of red oxide zinc chromate primer and two coats of synthetic enamel paint of approved colour, shade and brand etc. complete as per IS:6248 / specifications and as directed by Engineer In Charge. The shutter should withstand wind pressure of 47meters per second. | Sqm | 4173 |
| R3-CS-SL-06 | Extra over item R3-CS-SL-05, for providing ball bearing wherever required and directed etc complete. | Nos | 260 |
| R3-CS-SL-07 | Extra for providing mechanical device for operating rolling shutters. | Nos | 766 |
| R3-CS-SL-08 | Extra for providing grilled rolling shutters manufactured out of 8 mm dia. M.S. bar instead of laths as per design approved by Engineer-incharge. (area of grill to be measured). | Sqm | 669 |
| R3-CS-SL-09 | Extra for Electrically operated (motorised) with switch & cable | Sqm | 2231 |
| R3-CS-SL-10 | Providing and fixing fly proof galvanised M.S. wire mesh to windows having average width of aperture as 1.4 mm in both directions & dia. Of wire as 0.63 mm including 2nd class teak wood beading of size 62X19 mm etc complete as directed by Engineer In Charge. | Sqm | 761 |
| R3-CS-SL-11 | Extra for providing and fixing iron beading instead of putty in channel shape of size 6 mm x 1.5 mm etc Complete as directed. | Rmt. | 52 |
| R3-CS-SL-12 | Providing and Fixing MS Safety grill of weight specified below for windows as per design including fabricating the grill using M.S. square / round bar, flats and angles including painting with one coat of red oxide zinc chromate primer and two coats of synthetic enamel paint of approved colour and brand etc complete as directed. | | |
| R3-CS-SL-12-a | Grill weighing 10 to 15 kg / sqm | Sqm | 2778 |
| R3-CS-SL-12-b | Grill weighing 15 to 20 kg / sqm | Sqm | 3348 |
| R3-CS-SL-12-c | Grill weighing 20 to 25 kg / sqm | Sqm | 3919 |
| R3-CS-SL-12-d | Grill weighing 25 to 30 kg / sqm | Sqm | 4490 |
| R3-CS-SL-13 | Providing and Fixing Decorative / Ornamental grills as per design for compound wall / Fencing including fabricating the grill using M.S. square / round bar, flats and angles including painting with one coat of red oxide zinc chromate primer and two coats of synthetic enamel paint of approved colour and brand etc. complete as directed. | Kg | 242 |
| R3-CS-SL-14 | Providing, fabricating and fixing M.S. grill work as per approved design and as per weight specified below to fencing / compound makes out of square / round bars, M.S. flats, angles, with necessary holdfast including painting with one coat of red oxide zinc chromate primer and two coats of approved synthetic enamel paint etc. complete as directed by Engineer In Charge. | | |



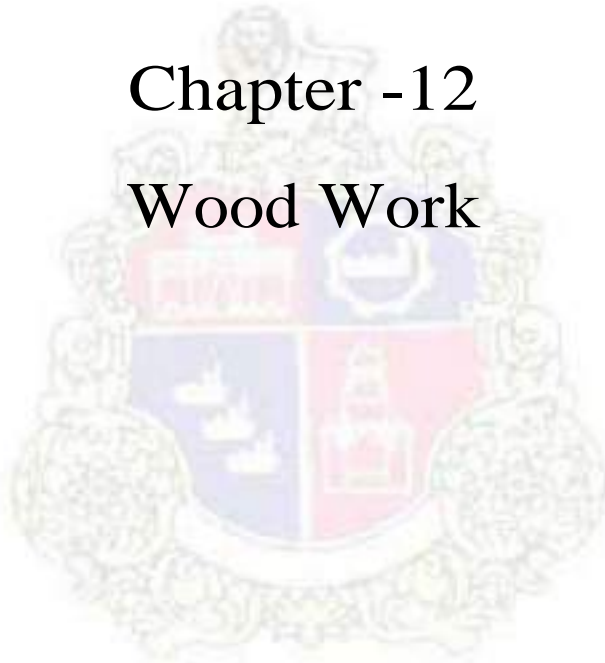
Buildings Schedule/ Common Schedule 2023
Steel Works

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| R3-CS-SL-14-a | Mild steel grill of weight 10 to 15 Kg/sq. m. | Sqm | 2837 |
| R3-CS-SL-14-b | Mild steel grill of weight 15 to 20 Kg/sq. m. | Sqm | 3222 |
| R3-CS-SL-14-c | Mild steel grill of weight 20 to 25 Kg/sq. m. | Sqm | 3607 |



Chapter -12

Wood Work



Wood Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------------|
| R3-CS-WW | WOOD WORKS | | | |
| R3-CS-WW-01 | Providing and fixing best quality C.P. Teak wood frame for doors, windows and ventilators size greater than 50mm x 50mm including intermittent supports if required, all moulding, rebating, jointing, hold fasts of MS flats of minimum size 25 x 3 mm, having length of 225 mm for doors & 150 mm for windows and finishing with 3 coats of French polish or one coat of primer and synthetic enamel paint in two coats as directed etc. complete as directed. | Cum | 85028 | ** ** |
| R3-CS-WW-02 | Providing and fixing best quality C.P. Teak wood frame for doors, windows and ventilators size Less than or upto 50mm x 50mm including intermittent supports if required, all moulding, rebating, jointing, hold fasts of MS flats of minimum size 20 x 3 mm, having length of 150 mm and finishing with 3 coats of French polish or one coat of primer and synthetic enamel paint in two coats as directed etc. complete as directed. | Cum | 135075 | ** ** |
| R3-CS-WW-03 | Providing and applying water proof (melamine) polishing to the new or old wood work in two coats including knotting, preparing the surface by scrapping, scaffolding etc. complete as directed. | Sqm | 117 | |
| R3-CS-WW-04 | Providing & applying readymade wax polish to the new or old work in two coats including knotting, preparing the surface by scrapping, scaffolding etc. complete as directed. | Sqm | 159 | |
| R3-CS-WW-05 | Providing and fixing superior quality factory made single or double leaf Phenol Bonded solid core flush door shutters commercial type hot pressed conforming to IS:2202 (Part I,II) 1991 including 12 mm thk teak wood lipping all around with one coat of primer, putty and 2 coats of synthetic enamel paint on both faces etc. complete as directed. (Hinges, aldop & standard door hardware to be paid separately) | | | |
| R3-CS-WW-05-a | 25mm thick shutter | Sqm | 1575 | |
| R3-CS-WW-05-b | 30mm thick shutter | Sqm | 1670 | |
| R3-CS-WW-05-c | 35mm thick shutter | Sqm | 1863 | |
| R3-CS-WW-05-d | 40mm thick shutter | Sqm | 2011 | |
| R3-CS-WW-06 | Providing and fixing superior quality single leaf B.W.P. grade solid core flush door shutters of standard make conforming to IS:2202-1991 (Part I & II) including one coat of primer, putty and 2 coats of synthetic enamel paint on both faces etc. with 12 mm thk teak wood lipping all around all around etc. complete (Hinges, aldop & standard door hardware to be paid separately) | | | |
| R3-CS-WW-06-a | 25mm thick shutter | Sqm | 1833 | |
| R3-CS-WW-06-b | 30mm thick shutter | Sqm | 2205 | |
| R3-CS-WW-06-c | 35mm thick shutter | Sqm | 2277 | |
| R3-CS-WW-06-d | 40mm thick shutter | Sqm | 2560 | |
| R3-CS-WW-07 | Extra for providing and fixing 3mm thk. veneer with three coats of french polishing instead of synthetic enamel painting including all material and labour. | Sqm | 932 | |
| R3-CS-WW-08 | Providing and fixing 40mm thick Phenol Bonded solid core flush door shutters for sliding or 'Sliding and folding' door, commercial type hot pressed with 3mm thick veneer on both faces as per design conforming to IS:2202- 1991 (Part I & II) with 3 coats of French polishing, with 12mm thick T.W. lipping all around as per detailed specifications including sliding and folding door system as approved by MCGM, gear with necessary track, brackets, and all necessary special fittings as per manufacturer's specifications complete as directed. (Hinges, aldop & standard door hardware to be paid separately) | Sqm | | |
| R3-CS-WW-08-a | 30mm thick shutter | Sqm | 5116 | |



Buildings Schedule/ Common Schedule 2023

Wood Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|-------------|
| R3-CS-WW-08-b | 40mm thick shutter | Sqm | 5116 | |
| R3-CS-WW-09 | Providing and fixing 35mm thick T.W. panelled shutters for sliding and folding doors including sliding and folding door system as approved by MCGM, gear with necessary track, brackets, and all necessary special fittings as per manufacturer's specifications . The width of Top rail and styles shall be 100mm, Bottom rail shall be of 200mm and lock rail shall have width of 150mm including all moulding rebating joinery and finishing with three coats of French polish or one coat of primer and synthetic enamel paint in two coats etc complete as directed. (Infill panels, Hinges, aldop & standard door hardware to be paid separately) | Sq.M. | 4645 | |
| R3-CS-WW-10 | Providing & applying Polyurethane based wood coating to the new or old work in two coats including knotting, preparing the surface by scrapping, scaffolding etc. complete as per manufacturers specifications and as directed. | Sqm | 243 | |
| R3-CS-WW-11 | Providing and fixing 38 mm x 12mm thick teak wood decorative cover moulding around frame of doors, windows and cupboards etc. completed as directed. | Rm | 154 | |
| R3-CS-WW-12 | Providing and fixing 38 mm x 20mm thick teak wood decorative cover moulding around frame of doors, windows and cupboards etc. completed as directed. | Rm | 167 | |
| R3-CS-WW-13 | Providing and fixing vision panel of size 300mm x 300mm in any type of door with 6mm thick glass including T.W. beading etc. complete as directed bt Engineer in charge. | No. | 326 | |
| R3-CS-WW-14 | Providing and fixing country wood single dhapa shutter of 20 mm thk. and 125 mm to 150 mm wide tongue and grooved planks with 15 mm thick and double Z battens and 15mm thk. and 150 mm wide lock rail including country wood frame of section size 100 mm X 75 mm, approved C.P. / iron oxidized fixtures and fastening, hooks, eyes and necessary accessories, painting with one coat of primer and two coats of synthetic enamel paint of approved make and colour etc. complete as directed by Engineer in charge. | Sqm | 7719 | |
| R3-CS-WW-15 | Providing and fixing country wood single dhapa shutter of 20 mm thk. and 125 mm to 150 mm wide tongue and grooved planks with 15 mm thick and double Z battens and 15mm thk. and 150 mm wide lock rail including 25 mm thick glazed fanlight with 4mm thk. glass, country wood frame of section size 100 mm X 75 mm, approved C.P. / iron oxidized fixtures and fastening, hooks, eyes and necessary accessories, painting with one coat of primer and two coats of synthetic enamel paint of approved make and colour etc. complete as directed by Engineer in charge. | Sqm | 6789 | |



Wood Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
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| R3-CS-WW-16 | Providing and fixing superior quality factory made phenol bonded solid core single leaf flush commercial door shutter of thickness as mentioned below and of approved make conforming to IS: 2202 (Part I, II) with 12mm thk. teak wood lipping all around, 3mm thk. commercial veneer on external face with three coats of french polish and 150mm x 60 mm or 125 mm x 75 mm C.P. teak wood frame without fanlight including, approved fixtures and fastening hooks, eyes, screws and painting the frame and interior side with one coat of primer, putty and two coats of synthetic enamel paint of approved make and colour etc. complete as directed by Engineer in charge. | | | |
| R3-CS-WW-16-a | 25mm thick shutter | Sq.M. | 7479 | |
| R3-CS-WW-16-b | 30mm thick shutter | Sq.M. | 7561 | |
| R3-CS-WW-16-c | 35mm thick shutter | Sq.M. | 7729 | |
| R3-CS-WW-16-d | 40mm thick shutter | Sq.M. | 7857 | |
| R3-CS-WW-17 | Providing and fixing superior quality factory made phenol bonded solid core single leaf flush commercial door shutter of thickness as mentioned below and of approved make conforming to IS: 2202 (Part I, II) with 12mm thk. teak wood lipping all around, 3mm thk. commercial veneer on external face with three coats of french polish and 150mm x 60 mm or 125 mm x 75 mm C.P. teak wood frame with glazed fanlight with 4mm thk. glass including bright finished or black enameled mild steel butt hinges, approved fixtures, fastening, hooks, eyes, screws and painting the frame and interior side with one coat of primer, putty and two coats of synthetic enamel paint of approved make and colour etc. complete as directed by Engineer in charge. | | | |
| R3-CS-WW-17-a | 25mm thick shutter | Sq.M. | 7032 | |
| R3-CS-WW-17-b | 30mm thick shutter | Sq.M. | 7110 | |
| R3-CS-WW-17-c | 35mm thick shutter | Sq.M. | 7271 | |
| R3-CS-WW-17-d | 40mm thick shutter | Sq.M. | 7395 | |
| R3-CS-WW-18 | Providing and fixing superior quality factory made phenol bonded solid core double leaf flush commercial door shutter of thickness as mentioned below and of approved make conforming to IS: 2202 (Part I, II) with 12mm thk. teak wood lipping all around, 3mm thk. commercial veneer on external face with three coats of french polish and 150mm x 60 mm or 125 mm x 75 mm C.P. teak wood frame without fanlight including including bright finished or black enameled mild steel butt hinges, approved fixtures, fastening, hooks, eyes, screws and painting the frame and interior side with one coat of primer, putty and two coats of synthetic enamel paint of approved make and colour etc. complete as directed by Engineer in charge. | | | |
| R3-CS-WW-18-a | 25mm thick shutter | Sq.M. | 9091 | |
| R3-CS-WW-18-b | 30mm thick shutter | Sq.M. | 9172 | |
| R3-CS-WW-18-c | 35mm thick shutter | Sq.M. | 9340 | |
| R3-CS-WW-18-d | 40mm thick shutter | Sq.M. | 9469 | |



Wood Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|-------------|
| R3-CS-WW-19 | Providing and fixing superior quality factory made phenol bonded solid core double leaf flush commercial door shutter of thickness as mentioned below and of approved make conforming to IS: 2202 (Part I, II) with 12mm thk. teak wood lipping all around, 3mm thk. commercial veneer with three coats of french polish on external face and 150mm x 60 mm or 125 mm x 75 mm C.P. teak wood frame with glazed fanlight fanlight with 4mm thk. glass including bright finished or black enameled mild steel butt hinges, approved fixtures, fastening, hooks, eyes, screws and painting the frame and interior side with one coat of primer, putty and two coats of synthetic enamel paint of approved make and colour etc. complete as directed by Engineer in charge. | | | |
| R3-CS-WW-19-a | 25mm thick shutter | Sq.M. | 9568 | |
| R3-CS-WW-19-b | 30mm thick shutter | Sq.M. | 9646 | |
| R3-CS-WW-19-c | 35mm thick shutter | Sq.M. | 9807 | |
| R3-CS-WW-19-d | 40mm thick shutter | Sq.M. | 9931 | |
| R3-CS-WW-20 | Providing & fixing double skin partition comprised of framing of GYPSteel Building System including 76 mm wide floor track (0.55 mm BMT having equal flanges of 32 mm each) fixed to floor by Hilti/ Fischer hammer fix. as well as Gypsteel Deflection head floor track of 76 mm wide (0.75 mm BMT having equal flanges of 50 mm each) fixed to MS structure (provided by others) by means of appropriate fixings as per the standards. Then Gypsteel stud section of 76 mm wide (0.75 mm BMT having one flange of 34 mm and another flange of 36 mm) is screw fixed into floor/ceiling channel at every 610 mm c/c. using appropriate screws as per industry Standard These stud section are kept 10 mm shorter to take care of deflection in the structural member as per Gypsteel Building System with either of following material complete as directed by Engineer In Charge. | | | |
| R3-CS-WW-20-a | P/F partition upto ceiling height consisting of G.I. frame and required board: 101 mm overall thickness partition with 12.5 mm plain Gypsum board. | Sq.M. | 2822 | |
| R3-CS-WW-20-b | P/F partition upto ceiling height consisting of G.I. frame and required board: 100 mm overall thickness partition with 8 mm thick double skin Calcium Sili- cate board. | Sq.M. | 2931 | |
| R3-CS-WW-20-c | P/F partition upto ceiling height consisting of G.I. frame and required board: 88 mm overall thickness partition with 6 mm thick double skin 6mm thk. Commercial plywood. | Sq.M. | 2871 | |
| R3-CS-WW-20-d | P/F partition upto ceiling height consisting of G.I. frame and required board: 94 mm overall thickness partition with 9 mm thick double skin 6mm thk. Commercial plywood. | Sq.M. | 3454 | |
| R3-CS-WW-20-e | P/F partition upto ceiling height consisting of G.I. frame and required board: 100 mm overall thickness partition with 12 mm thick double skin 6mm thk. Commercial plywood. | Sq.M. | 3360 | |
| R3-CS-WW-20-f | Extra for providing and fixing 3mm thk. veneer with three coats of french polishing instead of synthetic enamel painting including all material and labour. | Sq.M. | 1249 | |
| R3-CS-WW-20-g | Extra for providing and fixing 4mm thk. veneer with three coats of french polishing instead of synthetic enamel painting including all material and labour. | Sq.M. | 1293 | |



Wood Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------------|
| R3-CS-WW-21 | Providing & Fixing False Ceiling comprising of following material including fixing in galvanized steel sections with white color coated cap comprised of main tee 34 mm x 24 mm (heavy duty as per ASTM C - 635 standard tested) with pre-punched cross tee slots (at every 100 mm c/c) to be placed at 1200 mm c/c, suspended with 4 mm GI (TATA MAKE) straightened wire at every 1.2 mtr, other end of the wire provided with GI J hook & nut. All the false ceiling panels around the perimeter of the false ceiling & around the RCC columns shall rest on the perimeter G.I. molding of size 19 mm x 19 mm which is fixed to the walls with help of rawal plug & GI screw at the same level as false ceiling. The cross tee of 1200 mm length (26 mm x 24 mm wide Heavy duty) shall be locked in main tee at every 600 mm c/c. to form grid of 600 x 1200 mm. Further 600 mm long tee need to be locked in to 1200 mm tee to make the final grid of 600 mm X 600 mm, including making provision for cutouts and / or trap door for electrical and mechanical systems, etc complete as directed by Engineer In charge. | | | |
| R3-CS-WW-21-a | With Armstrong or equivalent Orcal Lay in metal ceiling System consisting of 600x600mm Lay in tiles of pre coated galvanised steel in 0.5/0.4 mm thickness in white colour with standard perforation of 2.5mmdia & open area of 16%. The back of the tile should have black acoustical fleece with NRC of 0.70 & CAC 36 with life time warrantee against sag in module size 595 mm X 595 mm at required height above FFL. | Sqm | 1924 | *** |
| R3-CS-WW-21-b | With India Gypsum PVC laminated 9.5 mm thk 'POLYSHIELD' tiles having metal polyester backing with Humidity Resistance of 99% RH, Average NRC 0.55, dncw 34dB, Light Reflectance >80%, Thermal Conductivity k = 0.052 – 0.057 w/m ² c, Colour White, Fire Performance Class 0/Class 1 (BS - 476) with life time warrantee against sag in module size 595 mm X 595 mm X 9 mm thick at required height above FFL. | Sqm | 1640 | |
| R3-CS-WW-21-c | With Armstrong or equivalent Acoustical Suspended Ceiling System with Fine Fissured Tiles having (Board / Regular) edges. The tiles should have Humidity Resistance of 99% RH, Average NRC 0.55, dncw 34dB, Light Reflectance >80%, Thermal Conductivity k = 0.052 – 0.057 w/m ² c, Colour White, Fire Performance Class 0/Class 1 (BS 476) with life time warrantee against sag in module size 595 mm X 595 mm X 9 mm thick at required height above FFL. | Sqm | 1614 | *** |



| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|-------------|
| R3-CS-WW-22 | Providing and fixing false ceiling with eco-friendly light weight calcium silicate tiles of Spintone/cosmos surface textured "Aerolite " make or equivalent of size 595 x 595mm having 15 mm thick densified microlook edge and 100% humidity resistance, incombustible as per BS 476 Part IV and thermal conductivity 0.043 w/m° KC and NRC 0.50 placed in true horizontal level suspended grid of size 600x600 mm made from hot dipped GI steel sections on Sillhoutte profile, rotary stitched double webbed white with 6mm reveal profile (white/black), where in main T runner of size 24 mm x 38mm and 0.33 mm thick @ 1200mm center to center and cross T of size 24mm X 28 mm and 0.33 mm thick, 1200 mm long spaced between main tee at 600 mm centre to centre and secondary cross T of Size 24mm X 28 mm x 0.33 thick of length 600 mm to be inter locked at middle of the first cross T in each panel to form grids of 600 mm x 600 mm and resting on periphery wall profile wall section 24 mm x 24mm x 0.40 thickness and laying false ceiling for services like diffusers grills including cutting, making opening for light fitting, fixtures, smoke detectors etc. wherever required, main tee runner to be suspended form ceiling using G.I. soffit cleats of size 25 x 35 x 1.6 mm of required length fixed to the ceiling with 12.5mm dia and 50 mm long dash fastener, 4 mm dia G.I adjustable rods with good quality G.I level adjustment clips of 85 X 30 X 0.8mm spaced at 1200 mm center to center along main tee all complete at all heights as per specifications, drawings and as per direction of Engineer - in - Charge. | Sqm | 2374 | *** |
| R3-CS-WW-23 | Providing and fixing trap door in the Gypsum board / POP ceiling system for electrical and mechanical utilities with 18mm thk. plywood shutter and 12mm thk. teak wood lipping all around including wooden / G.I. frame with supports, fixtures, fastenings etc. complete as directed. | Sqm | 7151 | |
| R3-CS-WW-24 | Providing and applying French polishing to the new or old wood work in two coats including knotting, preparing the surface by scrapping, scaffolding etc. complete as directed. | Sqm | 420 | |
| R3-CS-WW-28 | Providing and Fixing Fully Glazed double shutter automatic Door Opening having following features Slim line modern Design Australian Made Designed for new standards Compact modular motor DesignHigh security electric locking No exposed wiring Energy Efficient Electronics Lock 600 VA UPS | Sqm | 22412 | |
| R3-CS-WW-29 | P/F TW frame fully glazed door with shutters with full swing (180degrees) fixed with double spring hinge with fixed glazed portions on top and side of the openable portion. | Sqm | 4958 | |
| R3-CS-WW-30 | Providing and applying at all levels approved silicone sealant at the junction of wall and ventilators or windows as directed, wherever required or instructed by the Engineer etc. complete as specified in manufacturers specificaitons and directed. | Litre | 363 | |



| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------------|
| R3-CS-WW-31 | Providing and fixing fire doors with 2 hour fire rating conforming to IS: 3614 (Part 2), BS 476 (Parts 20 & 22), ISO 834 ; 45 mm thick fully flush, double skin door shell with lock seam joints at stile edges made from 1.25 mm thick galvanized steel sheet including door frames made from 1.6 mm thick galvanized steel sheet formed to double rebate profile of size 143 mm x 57mm as per manufacturer's instructions, door frames and shutter primed with Zinc Phosphate stoving Primer and finished with Polyurethane Aliphatic grade or epoxy paint including ironmongery consisting of stainless steel ball bearing butt hinges 3 mm thick fixed flush to the frame and shutter, full width horizontal handles (panic bar), concealed flush bolts, door closers, other standards fixtures and fasteners, etc. complete for the following clear opening sizes: | Sqm | 23869 | |
| R3-CS-WW-32 | Providing & fixing in position 35 mm thick 1st quality water proof Single Leaf Flush Door for w.c. with 1.5mm thick laminate on both sides with 12x35mm lipping patti on all edges. Rate is inclusive of s.s.fixtures & fittings, such as handles on both sides, tower bolts, locking arrangement,, door stopper of make (ozone,Hettich,Hafle) 450 x 150mm aluminum ventilation grill powder coated, as per architect's detailed drg.and design complete.Size of door 950mm x 2.35mm.D6,D10,D11 | Sqm | 10847 | |
| R3-CS-WW-33 | Providing and fixing in position, Double leaf flush door of required size including providing & fixing T.W. frame 60mm x 150mm., 45mm thick solid code hard wood block board shutters with 25mm x 45mm lipping patti, allround the shutter & finished with 1mm thick approved textured laminates on either sides, finishing all exposed surfaces of wood with approved shade french polish, treating all the surfaces of wood in contact with masonry with tar paint (Black Japan), chromium plated brass fittings & fastenings, S.S. handles etc. complete as per detailed drawing and as directed by the Engineer In charge. D2,D3,GL-D1,GL-D2,GL-D3 | Sqm | 14511 | |
| R3-CS-WW-34 | Providing and Fixing ARMSTRONG or Equivalent METAL FALSE CEILING with 0.5mm thick STANDARD PERFORATED METAL CLIP in tiles 600 mm x 600 mm to be suspended from slab with 2.5mm G.I. wire as per Manufacturers specification as directed by Engineer in Charge etc complete | Sqm | 1335 | |
| R3-CS-WW-35 | Door Type D5Providing & fixing in position fully glazed 50mm thick Door. Vertical styles & top rail made of 100x50mm thick approved quality seasoned T.W.& bottom rail made of 150x50mm thk.approved quality seasoned T.W. finish with 4 mm veneer on both sides with & glass panels of 8mm thick clear float glass of approved make fix with 1st class BTC 25x12 mouldings. Rate is inclusive of s.s.fixtures & fittings, such as handles on both sides, tower bolts, locking arrangement, concealed type door closure, door stopper of make (ozone,Hettich,Hafle), as per architect's detailed drg. and design complete.Door size - 1000x2100. =GL-D9 | Sqm | 13984 | |



Buildings Schedule/ Common Schedule 2023
Wood Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
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| R3-CS-WW-36 | Providing and fixing in position, Double leaf flush door of required size including providing & fixing T.W. frame 60mm x 150mm., 45mm thick solid code hard wood block board shutters with 25mm x 45mm lipping patti, allround the shutter & finished with 1mm thick approved textured laminates on either sides, finishing all exposed surfaces of wood with approved shade french polish, treating all the surfaces of wood in contact with masonry with tar paint (Black Japan), chromium plated brass fittings & fastenings, S.S. handles etc. complete as per detailed drawing and as directed by the Engineer In charge. D2,D3,GL-D1,GL-D2,GL-D3 | Sqm | 14511 | |
| R3-CS-WW-37 | Fire rated Double leaf Door - Laminate Finish: Providing & Fixing of wooden Fire door with Panic Bar of approved make and of required size, 120 minutes fire rating, integrity and insulation in accordance with the criteria of BS 476: Part22: 1987 and Report 212(1)/FR/2003; insulation on door leaf only. Tested at Fire Research Laboratory, Central Building Research Institute, Roorkee with standard heating conditions as specified inIS: 3809-1979 and BS: 476 part 20 & 22, 1987 to achieve the required integrity & insulation (i.e. to restrict the heat radiation, temprature rise on the non fire side to the maximum of 140 degree Centigrade above the ambient temperature on the unexposed surface of the shutter). Red Mirranti Hard wood frame of section 145mm x 70mm with Intumescent strip (Imported) to take care of Hot and cold smoke of size 10mm x 2mm x 2Nos. concealed in the grove of the frame and 55mm thick double leaf shutter made out of perimeter railing of Red Mirranti wood of size 100mm x 29mm and Promina 60.9mm thick. Calcium Silicate Board Fire Retardant compound on each side coated with Intumescent sealant and faced with 4mm thick marine ply with Fire and smoke Intumescent Seal of size 20mm x 2mm x 1 No., mounted in the grooves in the shutter on all sides except bottom with 10mm thick Hardwood beading on all side. The Fire Doors with frame will be as per IS: 3614 part 2 and BS: 476 part 20 at FRL CBRI Roorkee with standard heating conditions as specified in IS: 3809 - 1979 and BS: 476 part 20 & 22 1987. The door shall be finished with 1 mm thick fire retardent laminate on both side etc. all complete to the entire | Sqm | 17914 | |
| R3-CS-WW-38 | Door Type D5Providing & fixing in position fully glazed 50mm thick Door. Vertical styles & top rail made of 100x50mm thick approved quality seasoned T.W.& bottom rail made of 150x50mm thk.approved quality seasoned T.W. finish with 4 mm veneer on both sides with & glass panels of 8mm thick clear float glass of approved make fix with 1st class BTC 25x12 mouldings. Rate is inclusive of s.s.fixtures & fittings, such as handles on both sides, tower bolts, locking arrangement, concealed type door closure, door stopper of make (ozone,Hettich,Hafle), as per architect's detailed drg. and design complete.Door size - 1000x2100. =GL-D9 | Sqm | 13984 | |



| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
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| R3-CS-WW-39 | Frame Type F2 Providing and fixing 1st quality Burma T.W. door frame of size 75 x 150mm with required groove and chamfer including M.S.hold-fast of size and make. Door Type D5-ED as per architect's detailed drg. And design and as instructed by the Engineer-in-charge. | MTR | 4096 | |
| R3-CS-WW-40 | VIEWING GLASS 5MM AT DOORS WITH BEADING | Sqm | 3691 | |
| R3-CS-WW-41 | Providing and fixing on site VENEER FINISH WALL PANELING made by using approved quality seasoned T.W. framing of 38 x 25 mm at approximately 600 x 450 mm center to center or as per site conditions and covered by 12 mm thick marine ply generally conforming to I.S.303 /I.S.710-1980 finished with 3 mm thick group match veneer of approved quality with groove pattern including all necessary end mouldings, moulding pattern, and melamine polish. Antitermite treatment to plywood and woodwork etc.including all leads & lifts complete as per Architects detailed drg. & design and as instructed by The Engineer In Charge (Basic Veneer Rate Rs.75/-per sft) | Sqm | 5346 | |
| R3-CS-WW-42 | Providing & Fixing well seasoned old burma Teak wood skirting of 25mm thickness & 250mm height in the required position & of the profile shown in the drawings including all moulding, grooves rough grounds, raw plugs, if necessary & finished with approved coloured stained matt water based PU coat of ICA or INCHEM of equivalent Make using approved coloured stainers of the same company. | MTR | 2500 | |
| R3-CS-WW-43 | Providing & fixing TRAP DOOR with T.W. frame work and shutter made from 19mm marine plywood and exposed surface finished with 1.5mm laminate and internal surface finished with flat oil paint with s.s. fittings & fixtures of make (ozone, Hettich, Hafle) as per Architects detailed drg. and design. | Sqm | 6666 | |
| R3-CS-WW-44 | Providing & fixing ply board paneling to existing column by using 37x25mm thick approved quality seasoned T.W. frame covered with 12mm thick marine ply .Paneling up to 900mm from FFL is finished with 3mm veneer & melamine polish .The edges of column are finished with decorative 75x25mm thick approved quality T.W. battans. The column surface from 900mm level upto false ceiling should be finished with 12.5 thick Gypsum board with S.S 316 grade band of 16 gauge as per Architects detailed drg. & design and as directed. The column also to have 100mm wide decorative skirting using 25mm thk. approved T.W. planks polished with melamine of approved tint. (Basic Veneer Rate Rs.75/-per sft) | Sqm | 8993 | |



Buildings Schedule/ Common Schedule 2023
Wood Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
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| R3-CS-WW-45 | <p>Providing & fixing in position single leaf flush door of required size for internal doors of residential units, shutters made of 45mm thick marine grade block board core with 25mm x 45mm T.W. lipping patti, 1mm thick approved decorative laminates finish on both faces of shutter, including providing & fixing T.W. frame of 60mm x 150mm size, coating all the exposed surfaces of wood with 2 coats of flat enamel paint of approved shade & make over one coat of approved synthetic primer, coating all the surfaces of wood in contact with masonry with Tar (Black Japan), preparing the surfaces, providing and fixing brass chrome finished or S.S. fittings and fastenings etc complete as per detailed drawing no. WD-26 & as directed by the Engineer in charge. D5,D7,D12,D8,D9,GL-D5</p> | Sqm | 17979 | |
| R3-CS-WW-46 | <p>Providing and fixing glazing panels & doors using 12mm thick toughen clear glass (confirming to ASTM Standards C-1048) supported by channel (embedded in the floor) at the bottom & side edge and wall connecting profile at the top edge, stainless steel articulated countersunk bolts threaded bolts, chemical fasteners, etc., glass panel size as per design and drawing including applying colourless sealant of joint incl. required edge polish, making glazing water tight etc. Destructive node joint test reports to be submitted for establishing the safety factor, including operating hardware, SS patch fittings, fabricated long length satin finish SS 304 handles, patchlock, floor springs etc., complete as directed by the architect for frameless patch doors, single or twin leaf shutters with fixed panel on top. Hardware-Droma BTS 80 Floor Spring.</p> | Sqm | 12674 | |



| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
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| R3-CS-WW-47 | <p>Fire rated Single leaf Door - Laminate Finish: PnF of Wooden Fire door without Panic Bar of appd make and of required size, 120 minutes fire rating, integrity and insulation in accordance with the criteria of BS 476 ; Part 22 : 1987 and report 212 (1)/FR/2003; Insulation on door leaf only. Tested at Fire Research Lab, CBRI, Roorkee with standard heating conditions as specified in IS : 3809-1979 and BS : 476 part 20 & 22, 1987 to achieve the required integrity & insulation (i.e. to restrict the heat radiation, temp rise on the non fire side to the max of 140 deg Centi above the ambient temp on the unexposed surface of the shutter). Red Mirranti Hard wood frame of section 145mm x 70mm with Intumescent strip (Imported) to take care of Hot and cold smoke of size 10mmx2mmx2Nos. Concealed in the grove of the frame and 55mm thick single leaf shutter made out of perimeter railing of Red Mirranti wood of size 100mmx29mm and promina 60.9mm thick Calcium Silicate Board Fire Retardant compound on each side coated with Intumescent sealant and faced with 4mm thick marine ply with Fire and smoke Intumescent Seal of size 20mmx2mmx1No.,mounted in the grooves in the shutter on all sides except bottom with 10mm thick Hardwood beading on all side. The Fire Doors with frame will be as per IS: 3614 part 2 and BS: 476 part 20 at FRL CBRI Roorkee with standard heating conditions as specified in IS: 3809 - 1979 and BS: 476 part 20 & 22 1987. The door shall be finished with 1 mm thick fire retardent laminate on both side etc. all complete to the entire specs as per Archt Instruction. FRD-2 SIZE1.250x2.250m</p> | Sqm | 20963 | |

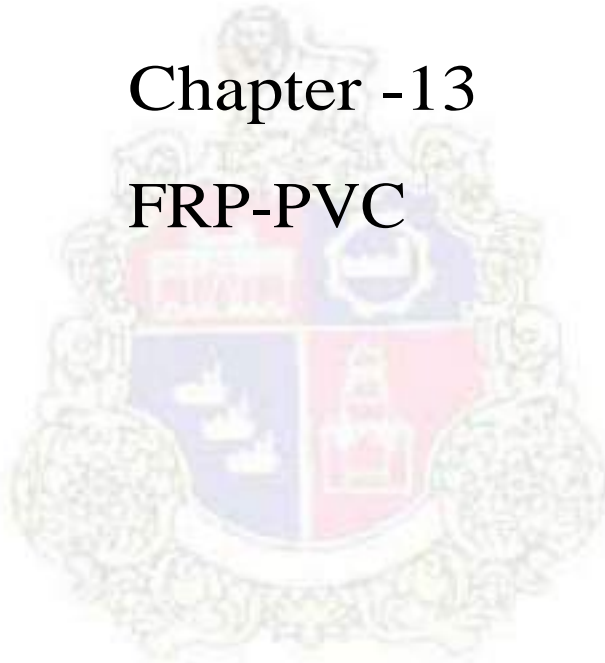


| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
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| R3-CS-WW-48 | <p>Fire rated Single leaf Door - Laminate Finish: Providing & Fixing of Wooden Fire door without Panic Bar of approved make and of required size, 120 minutes fire rating, integrity and insulation in accordance with the criteria of BS 476 ; Part 22 : 1987 and report 212 (1)/FR/2003; Insulation on door leaf only. Tested at Fire Research Laboratory, Central Building Research Institute, Roorkee with standard heating conditions as specified in IS : 3809-1979 and BS : 476 part 20 & 22, 1987 to achieve the required integrity & insulation (i.e. to restrict the heat radiation, temperature rise on the non fire side to the maximum of 140 degree Centigrade above the ambient temperature on the unexposed surface of the shutter). Red Mirranti Hard wood frame of section 145mm x 70mm with Intumescent strip (Imported) to take care of Hot and cold smoke of size 10mm x 2mm x 2Nos. Concealed in the groove of the frame and 55mm thick single leaf shutter made out of perimeter railing of Red Mirranti wood of size 100mm x 29mm and promina 60.9mm thick Calcium Silicate Board Fire Retardant compound on each side coated with Intumescent sealant and faced with 4mm thick marine ply with Fire and smoke Intumescent Seal of size 20mm x 2mm x 1 No., mounted in the grooves in the shutter on all sides except bottom with 10mm thick Hardwood beading on all side. The Fire Doors with frame will be as per IS: 3614 part 2 and BS: 476 part 20 at FRL CBRI Roorkee with standard heating conditions as specified in IS: 3809 - 1979 and BS: 476 part 20 & 22 1987. The door shall be finished with 1 mm thick fire retardent laminate on both side etc. all complete to the entire</p> | Sqm | 20963 | |



Chapter -13

FRP-PVC



| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| R3-CS-PV | FRP-PVC WORKS | | |
| R3-CS-PV-01 | Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90mm x 45mm having rebates of 32mm x 15mm size to receive shutter of 30mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in the frame. The frame shall be covered with fiberglass from all sides. M.S. stay shall be provided at the bottom to steady the frame etc. complete as directed. | Rmt | 611 |
| R3-CS-PV-02 | Providing and fixing to frames 30 mm thick Fibre Glass Reinforced Plastic (FRP) panelled / extruded profiled door shutter of approved colour, brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5mm thick FRP laminate for panels conforming to IS: 14856 - 2000 etc complete as directed. | Sqm | 2287 |
| R3-CS-PV-03 | Providing and Fixing to frames 30mm thick Fiber glass Reinforced Plastic (F.R.P.) flush door shutter in different plain and wood finish made with fire retardant grade unsaturated polyester resin, moulded to 3mm thick FRP laminate all around, with suitable wooden blocks inside at required places for fixing of fittings and polyurethane foam (PUF) / Polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically with testing parameters of F.R.P. laminate conforming to table - 3 of IS: 14856 : 2000 etc complete as directed. | Sqm | 3159 |
| R3-CS-PV-04 | Providing and fixing factory made UPVC door frame of extruded section having an overall dimension as below (tolerance ± 1 mm) with wall thickness $2.0\text{mm} \pm 0.2\text{mm}$, corners of the door frame to be Jointed with galvanized brackets and stainless steel screws, joints mitered and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19mm and $1\text{mm} \pm 0.1\text{mm}$ wall thickness and 3 nos. stainless steel hinges fixed to the frame as per manufacturers specification etc. complete as directed. | | |
| R3-CS-PV-04-i | Extruded section profile size 48x40 mm. | Rmt | 160 |
| R3-CS-PV-04-ii | Extruded section profile size 42x50 mm. | Rmt | 147 |



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| R3-CS-PV-05 | <p>Providing and fixing 24 mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 59x24 mm and wall thickness 2 mm \pm 0.2 mm with inbuilt edging on both sides. The styles and rails mitered and joined at the corners by means of M.S. galvanised/plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm \pm 0.1 mm wall thickness. The lock rail made up of 'H' section, a UPVC hollow section of size 100x24 mm and 2 mm \pm 0.2 mm wall thickness fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a UPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm \pm 0.1 mm wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, as per manufacturer's specification etc. complete as directed. (For W.C. and bathroom door shutter).</p> | Sqm | 1560 |
| R3-CS-PV-06 | <p>Providing and fixing 25mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762mm X 25mm or less as per requirement with an average wall thickness of 1mm \pm 0.3mm. PVC foam end cap of size 23x10mm are provided on both vertical edges to ensure the overall thickness of 25mm. An M.S. tube having dimensions 19mm x 19mm is inserted along the hinge side of the door. Core of the door shutter should be filled with high density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25MM X 11MM. Door shutter shall be reinforced with special polymeric reinforcements as per manufactures' specification and direction of Engineer-in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places etc. complete as directed.</p> | Sqm | 1471 |
| R3-CS-PV-07 | <p>Providing and fixing factory made P.V.C. door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet mitered at corners and joined with 2 Nos. of 150mm long brackets of 15x15mm M.S. square tube, the vertical door profiles to be reinforced with 19x19mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100mm size as per manufacturers specification etc. complete as directed.</p> | Rmt | 158 |



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| R3-CS-PV-08 | <p>Providing and fixing 30mm thick factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for styles and 15x15mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture . M.S. frame covered with 5mm thick heat moulded PVC 'C' channel of size 30mm thickness, 70mm width out of which 50mm shall be flat and 20mm shall be tapered in 45degree angle on either side forming styles; and 5mm thick, 95mm wide PVC sheet out of which 75mm shall be flat and 20mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115mm wide PVC sheet out of which 75mm shall be flat and 20mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel. 10mm (5mm x 2) thick, 20mm wide cross PVC sheet to be provided as gap insert for top rail & bottom rail. panof 5mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7mm (5mm+2mm) thick x 15mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per Manufacturer's specification, drawing and as directed. (for W.C. and bathroom door shutter).</p> | Sqm | 1847 |
| R3-CS-PV-09 | <p>Providing and fixing 30mm thick factory made solid both side Pre-laminated panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for styles and 15x15mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5mm thick heat moulded Pre-laminated PVC 'C' channel of size 30mm thickness, 70mm width out of which 50mm shall be flat and 20mm shall be tapered i. e. on either side forming styles; and 5mm thick, 95mm wide PVC sheet out of which 75mm shall be flat and 20mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115mm wide PVC sheet out of which 75mm shall be flat and 20mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel. 10mm (5mm x 2) thick, 20mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. paneling of 5mm thick both side Pre-laminated PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7mm (5mm+2mm) thick x 15mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as directed.</p> | Sqm | 4732 |
| R3-CS-PV-10 | <p>Providing and fixing factory made solid P.V.C. foam door frame of size 60x30mm conforming to shore hardness 70 with supporting bar at bottom ends including holdfast, necessary special fastenings etc. complete as directed.</p> | Rmt | 183 |
| R3-CS-PV-11 | <p>Providing and fixing 30mm thick factory made solid both side Pre-laminatedpaneled PVC door shutter consisting naturally strong stiffener frame and sandwich panelled to offer sound and heat insulation with pressure laminate / infill panels with scratch resistance surface etc. complete as directed.</p> | Sqm | 2802 |



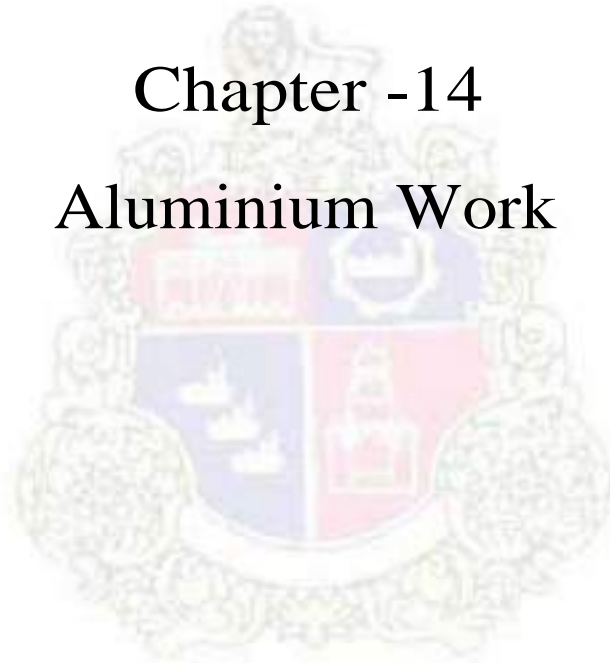
Buildings Schedule/ Common Schedule 2023
FRP-PVC WORKS

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| R3-CS-PV-12 | Design, fabrication & Installation of FRP LOUVERS with 30 mm clear space including aluminium EURO support system for accommodating FRP louvers consist of aluminium angle brackets of 50 x 50 x 5 mm with EPDM gaskets & anchor fastners (HILTY make) etc. Louvers as design including 60 mm x 30 mm section UPVC FINS & . as per Architect/Engineer incharge. | Sqm | 2830 |
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Chapter -14

Aluminium Work



Buildings Schedule/ Common Schedule 2023
Aluminium Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) |
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| R3-CS-AW | ALUMINIUM WORKS | | |
| R3-CS-AW-01 | <p>Providing and fixing in position two track aluminum window of extruded modular and anodized aluminum sections of approved make and of size 61.85 mm x 45.5 mm x 1.3 mm thk (wt 1.055 kg/Rm) for bottom, 61.85 mm x 31.75 mm x 1.3 mm thk. (wt 0.659 kg/Rm) for top & sides, mounted on anodized aluminum rectangular frame of size 63mm x 38mm x 2.0mm(1.054). The shutter comprising of bearing bottom and top of size 40mm x 18 mm x 1.25 mm thk (wt. 0.417 Kg/Rm) Interlocking section of size 40mm x 26,7 mm x 1.10 mm thk. (Wt. 0469 kg./Rm) and hand sides of 40mm x 18mm x 1.25 mm thk (wt. 0.417kg/Rm) with 5 mm thick plain / frosted / tinted glass fixed in shutter including approved quality neoprene gasket, fixtures, fastenings and accessories like PVC rollers, PVC weep holes, locks, handles etc. complete as directed by Engineer In Charge.</p> <p>(Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour)</p> | Sqm | 9190 |
| R3-CS-AW-02 | <p>Providing and fixing in position three track aluminum window of extruded modular and anodized aluminum sections of approved make and of size 92 mm x 45.5 mm x 1.5 mm thk (wt 1.659 kg/Rm) for bottom and 92 mm x 31.75 mm x 1.3 mm thk. (wt 0.933 kg/Rm) for top and sides mounted on anodized aluminum rectangular frame of size 100mm x 40mm x 1.3mm.(Wt 0.976 kg/m) The shutter comprising of bearing bottom and top of size 40mm x 18 mm x 1.25 mm thk (wt. 0.417 Kg/Rm) Interlocking section of size 40mm x 26.7 mm x 1.10 mm thk. (Wt. 0.469 kg./Rm) and hand sides of 40mm x 18mm x 1.25 mm thk (wt. 0.417kg/Rm) with 5 mm thick plain / frosted / tinted glass fixed in shutter including approved quality neoprene gasket, fixtures, fastenings and accessories like PVC rollers, PVC weep holes, locks, handles etc. complete as directed by Engineer In Charge.</p> <p>(Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour)</p> | Sqm | 9112 |



Buildings Schedule/ Common Schedule 2023
Aluminium Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|
| R3-CS-AW-03 | <p>Providing and fixing in position four track aluminum window of extruded modular and anodized aluminum sections of approved make and of size 122.2 mm x 45.5 mm x 1.3 mm thk (wt 1.829 kg/Rm) for bottom and 122.2 mm x 31.75 mm x 1.2 mm thk. (wt 1.093 kg/Rm) for top and sides mounted on anodized aluminum rectangular frame of size 127mm x 25.4mm x 1.3mm(1.052 kg/m) The shutter comprising of bearing bottom and top of size 40mm x 18 mm x 1.25 mm thk (wt. 0.417 Kg/Rm) Interlocking section of size 40mm x 26.7 mm x 1.10 mm thk. (Wt. 0469 kg./Rm) and hand sides of 40mm x 18mm x 1.25 mm thk (wt. 0.417kg/Rm) with 5 mm thick plain / frosted / tinted glass fixed in shutter including approved quality neoprene gasket, fixtures, fastenings and accessories like PVC rollers, PVC weep holes, locks, handles etc. complete as directed by Engineer In Charge.</p> <p>(Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour)</p> | Sqm | 9174 |
| R3-CS-AW-04 | <p>Providing and fixing in position aluminum louvered window with anodised aluminum frame of approved make and of size 40mm x 20mm x 2.0mm (wt. 0.605 kg/Rm) including adjustable aluminum frame, 4 to 6mm thk. frosted glass, fixtures and fastenings etc. complete as directed by by Engineer In Charge.</p> | Sqm | 7743 |
| R3-CS-AW-05 | <p>Providing and fixing in position Top/side hung window of extruded modular and anodised aluminum sections of approved make and of size 38.10 mm x 25.40 mm x 1.44 mm thk (wt. 0.471 kg/Rm) for outer rectangular tube, 40 mm x 31.5 mm x 1.5 mm (wt. 0.549 kg/Rm) for outer frame, 40 mm x 31.50 mm x 1.50 mm thk (wt. 0.502 kg/Rm) for central mullion, 40 mm x 31.50 mm x 1.50 mm thk (wt. 0.549 kg/Rm) for shutter and 16.50 mm x 14.50 mm x 1.20 mm thk (wt. 0.157 kg/Rm) for glazing clip with 5 mm thick plain / frosted / tinted glass fixed in shutter including neoprene gasket, fixtures, fastenings and accessories like hinges, locking arrangement etc. complete as directed by Engineer In Charge.</p> <p>(Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour)</p> | Sqm | 9794 |



Buildings Schedule/ Common Schedule 2023
Aluminium Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|
| R3-CS-AW-06 | <p>Providing and fixing in position side hung window with friction hinges, made up of extruded modular and anodised aluminum section of approved make and of size 38.10 mm x 25.40 mm x 1.44 mm thk (wt. 0.471 kg/Rm) for outer rectangular tube, 40 mm x 31.5 mm x 1.5 mm (wt. 0.549 kg/Rm) for outer frame, 40 mm x 31.50 mm x 1.50 mm thk (wt. 0.502 kg/Rm) for central mullion, 40 mm x 31.50 mm x 1.50 mm thk (wt. 0.549 kg/Rm) for shutter frame and 16.50 mm x 14.50 mm x 1.20 mm thk (wt. 0.157 kg/Rm) for glazing clip with 5 mm thick plain / frosted / tinted glass including neoprene gasket, fixtures, fastenings and accessories like handles, hinges, locking arrangement etc. complete as directed by Engineer In Charge.</p> <p>(Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour)</p> | Sqm | 10497 |
| R3-CS-AW-07 | <p>Providing and fixing in position Centrally pivoted window made up of extruded and anodised aluminium sections of approved make and of size 38.10 mm x 25.40 mm x 1.44 mm thk (wt. 0.471 kg/Rm) for outer rectangular tube, 40 mm x 31.5 mm x 1.5 mm (wt. 0.549 kg/Rm) for Outer frame, 40 mm x 31.50 mm x 1.50 mm thk (wt. 0.502 kg/Rm) for central mullion, 40 mm x 31.50 mm x 1.50 mm thk (wt. 0.549 kg/Rm) for shutter frame, 16.50 mm x 14.50 mm x 1.20 mm thk (wt. 0.157 kg/Rm) for glazing clip with 5 mm thick palin / frosted / tinted glass including neoprene gasket, fixtures, fastenings and accessories like hinges, locking arrangement etc. complete as directed by Engineer In Charge.</p> <p>(Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour)</p> | Sqm | 9158 |
| R3-CS-AW-08 | <p>Providing and fixing in position fixed window made up of extruded and anodised aluminium sections of approved make and of size 50.80 mm x 25.40 mm x 2.41 mm thk (wt. 0.929kg./Rm) for outer rectangular tube, 40 mm x 31.5 mm x 1.5 mm (wt. 0.549 kg/Rm) for outer frame, 40 mm x 31.50 mm x 1.50 mm thk (wt. 0.502 kg/Rm) for central mullion, 16.50 mm x 14.50 mm x 1.20 mm thk (wt. 0.157 kg/Rm) for glazing clip with 5 mm thick including neoprene gasket, fixtures and fastenings etc. complete as directed by Engineer In Charge.</p> <p>(Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour)</p> | Sqm | 10370 |



Buildings Schedule/ Common Schedule 2023
Aluminium Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) |
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| R3-CS-AW-09 | <p>Providing and fixing in position fully glazed aluminum door made up of extruded and anodised aluminium sections of approved make and of size 63.5 mm x 38.10 mm x 2.0 mm thk , 47.62 mm x 10.16 mm x 1.74 mm thk (wt. 0.881kg./Rm) for outer frame, 47.62 mm x 10.16 mm x 1.74 mm thk (wt. 0.881 kg/Rm) for top rail, 95.25 mm x 25.40 mm x 2.0 mm thk (wt. 1.519 kg/Rm) for bottom rail, 25.0 mm x 44.45 mm x 2.40 mm thk (wt. 0.918 kg/Rm) for lock rail, 47.62 mm x 44.45 mm x 1.88 mm thk (wt. 0.943 kg/Rm) for vertical of shutter (hinges side), 47.52 mm x 44.45 mm x 1.95 mm thk (wt. 0.936 kg/Rm) for vertical of shutter (latch side), clip weighing 0.097/kg/Rm., with 5 mm thick plain / frosted / tinted glass in shutter including neoprene gasket, fixtures, fastenings and accesories like hinges, locking arrangement, door closer etc., complete as directed by Engineer In Charge.</p> <p>(Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour)</p> | Sqm | 8474 |
| R3-CS-AW-10 | <p>Providing and fixing in position alluminum door fully panelled with 6mm thick Novapan BSL and made up of extruded and anodised aluminium sections of approved make and of size 63.5 mm x 38.10 mm x 2.0 mm thk, 47.62 mm x 10.16 mm x 1.74 mm thk (wt. 0.881kg./Rm) for outer frame, 47.62 mm x 10.16 mm x 1.74 mm thk (wt. 0.881 kg/Rm) for top rail, 95.25 mm x 25.40 mm x 2.0 mm thk (wt. 1.519 kg/Rm) for bottom rail, 25.0 mm x 44.45 mm x 2.40 mm thk (wt. 0.918 kg/Rm) for lock rail, 47.62 mm x 44.45 mm x 1.88 mm thk (wt. 0.943 kg/Rm) for vertical shutter (hinge side), 47.52 mm x 44.45 mm x 1.95 mm thk (wt. 0.936 kg/Rm) for vertical shutter (latch side), clip weighing 0.097/kg/Rm., including neoprene gasket, fixtures, fastenings and accesories like hinges, locking arrangement, door closer etc. complete as directed by Engineer In Charge.</p> <p>(Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour)</p> | Sqm | 8189 |



Buildings Schedule/ Common Schedule 2023
Aluminium Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) |
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| R3-CS-AW-11 | <p>Providing and fixing in position alluminum door partly glazed and partly panelled with 6mm thick Novapan BSL and made up of extruded and anodised aluminium sections of approved make and of size 63.5 mm x 38.10 mm x 2.0 mm thk , 47.62 mm x 10.16 mm x 1.74 mm thk (wt. 0.881kg./Rm) for outer frame, 47.62 mm x 10.16 mm x 1.74 mm thk (wt. 0.881 kg/Rm) for top rail, 95.25 mm x 25.40 mm x 2.0 mm thk (wt. 1.519 kg/Rm) for bottom rail, 25.0 mm x 44.45 mm x 2.40 mm thk (wt. 0.918 kg/Rm) for lock rail, 47.62 mm x 44.45 mm x 1.88 mm thk (wt. 0.943 kg/Rm) for vertical shutter (hinge side), 47.52 mm x 44.45 mm x 1.95 mm thk (wt. 0.936 kg/Rm) for vertical shutter (latch side), clip weighing 0.097/kg/Rm., with 5 mm thick plain /frosted / tinted glass in shutters including neoprene gasket, fixtures, fastenings and accesories like hinges, locking arrangement, door closer etc. complete as directed by Engineer In Charge.</p> <p>(Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour)</p> | Sqm | 8361 |
| R3-CS-AW-12 | <p>Providing and fixing in position fully glazed folding door made up of extruded and anodised aluminium sections of approved make and of size 63.5 mm x 38.10 mm x 2.0 mm thk (wt. 1.054 kg/Rm) for outer frame, 47.62 mm x 10.16 mm x 1.74 mm thk (wt. 0.881kg/Rm) for top rail, 95.25 mm x 25.40 mm x 2.0 mm thk(wt. 1.519 kg/Rm) for bottom rail, 25.0 mm x 44.45 mm x 2.40 mm thk (wt. 0.918 kg/Rm) for lock rail, 47.62 mm x 44.45 mm x 1.8 mm thk (wt. 0.943kg/Rm) for shutter vertical hinges side, 47.62 mm x 44.45 mm x 1.95 mm thk (wt. 0.936 kg/Rm) shutter vertical latch side, clip weighing 0.097 kg/Rm with 5 mm thick plain / frosted / tinted glass including neoprene gasket, fixtures, fastenings and accesories like hinges, locking arrangement, door closer etc. complete as directed by Engineer In Charge.</p> <p>(Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour)</p> | Sqm | 7995 |

Buildings Schedule/ Common Schedule 2023
Aluminium Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) |
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| R3-CS-AW-13 | <p>Providing and fixing in position aluminum folding door fully panelled with 6mm thk. Novapan BSL and made up of extruded and anodised aluminium sections of approved make and of size 63.5 mm x 38.10 mm x 2.0 mm thk (wt. 1.054 kg/Rm) for outer frame, 47.62 mm x 10.16 mm x 1.74 mm thk (wt. 0.881kg/Rm) for top rail, 95.25 mm x 25.40 mm x 2.0 mm thk(wt. 1.519 kg/Rm) for bottom rail, 25.0 mm x 44.45 mm x 2.40 mm thk (wt. 0.918 kg/Rm) for lock rail, 47.62 mm x 44.45 mm x 1.8 mm thk (wt. 0.943kg/Rm) for shutter vertical hinges side, 47.62 mm x 44.45 mm x 1.95 mm thk (wt. 0.936 kg/Rm) shutter vertical latch side, clip weighing 0.097 kg/Rm including neoprene gasket, fixtures, fastenings and accesories like hinges, locking arrangement, door closer etc. complete as directed by Engineer In Charge.</p> <p>(Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour)</p> | Sqm | 7652 |
| R3-CS-AW-14 | <p>Providing and fixing in position aluminum folding door partly glazed and partly panelled with 6mm thick Novapan BSL and made up of extruded and anodised aluminium sections of approved make and of size 63.5 mm x 38.10 mm x 2.0 mm thk for outer rectangular tube, 47.62 mm x 10.16 mm x 1.74 mm thk (wt. 0.881kg./Rm) for outer frame, 47.62 mm x 10.16 mm x 1.74 mm thk (wt. 0.881 kg/Rm) for top rail, 95.25 mm x 25.40 mm x 2.0 mm thk (wt. 1.519 kg/Rm) for bottom rail, 25.0 mm x 44.45 mm x 2.40 mm thk (wt. 0.918 kg/Rm) for lock rail, 47.62 mm x 44.45 mm x 1.88 mm thk (wt. 0.943 kg/Rm) for vertical shutter (hinge side), 47.52 mm x 44.45 mm x 1.95 mm thk (wt. 0.936 kg/Rm) for vertical shutter (latch side), clip weighing 0.097/kg/Rm., with 5 mm thick plain /frosted / tinted glass in shutters including neoprene gasket, fixtures, fastenings and accesories like hinges, locking arrangement, door closer etc. complete as directed by Engineer In Charge.</p> <p>(Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour)</p> | Sqm | 7823 |



Buildings Schedule/ Common Schedule 2023
Aluminium Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) |
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| R3-CS-AW-15 | Providing and fixing anodized (anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodising must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour) aluminum fixed/ sliding / pivoted / top hung / side hung / louvered type windows, doors, ventilators and partitions conforming to IS:1948, 1961 with hollow bottom section & standard single / two / three / four track frame section all round (top, bottom and sides) with shutter frame made up of standard handle section standard interlocking section and standard top and bottom section with infill panel of plain / frosted / tinted glass/ Novapan sheet / acrylic sheet / hardner laminated sheet as listed below with nylon guides, gliders glass fixing PVC weather strips, neoprene gasket, PVC weep holes etc complete with approved type of locking arrangement, handles and other fixtures including fixing, filling the gaps with silicon sealant, cleaning polishing the aluminium section with petrol and / or other agents as specified by the manufacturers etc. complete as directed by Engineer In Charge. | | |
| R3-CS-AW-15-a | Aluminum section used | Kg | 1170 |
| R3-CS-AW-15-b | 3.5 mm thick Plain / frosted / tinted Glass | Sqm | 1811 |
| R3-CS-AW-15-c | 4 mm thick Plain / frosted / tinted Glass | Sqm | 1921 |
| R3-CS-AW-15-d | 5 mm thick Plain / frosted / tinted Glass | Sqm | 2105 |
| R3-CS-AW-15-e | 6 mm thick Plain / frosted / tinted Glass | Sqm | 2215 |
| R3-CS-AW-15-f | 8 mm thick plain / frosted / tinted glass | Sqm | 2510 |
| R3-CS-AW-15-g | 9 mm thick Novapan sheet conforming to IS:2835-1991 | Sqm | 2689 |
| R3-CS-AW-15-h | 12 mm thick Novapan sheet conforming to IS:2835-1991 | Sqm | 3037 |
| R3-CS-AW-15-i | 4 mm thick Hardener Laminated sheet (Bakelite composite panel) | Sqm | 1822 |
| R3-CS-AW-15-j | 15 mm thick Hollow PVC sheet Panel (Sintex or Equivalent) | Sqm | 1778 |
| R3-CS-AW-15-k | 6 mm. thick Acrylic sheet | Sqm | 2410 |
| R3-CS-AW-16 | Providing and fixing SS Mosquito mesh in anodised (anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodising must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour) aluminium shutter fixed in sliding / openable / fixed windows conforming to IS:1948-1961 as per drawing and directed by Engineer In Charge. (Note: For Aluminum Sections, total weight shall be upto 3.5 kg/sq.m.) | Sqm | 1587 |
| R3-CS-AW-17 | Rebate for providing powder coating to aluminium sections instead of anodizing in required colour and shade with minimum 5 micron thickness including 7 course chemical cleaning, powder coating with special powder coating guns, heating in furnace as per powder coating agency's procedure all labour and material etc complete as directed by Engineer In Charge. | Kg | -40 |



Buildings Schedule/ Common Schedule 2023
Aluminium Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) |
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| R3-CS-AW-18 | <p>Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including:</p> <p>a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.</p> <p>b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers,</p> | Sqm | 3,891.00 |



Buildings Schedule/ Common Schedule 2023
Aluminium Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) |
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| | <p>c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing</p> <p>The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium item.s The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as</p> | | |
| | <p>Note : The following performance test are to be conducted on ACP system if area of ACP system exceeds 4500 Sqm from the certified laboratories accredited by NABL (National Accreditation Board for Testing and Calibration Laboratories), Department of Science & Technologies, India. The NIT approving authority will decide the necessity of testing on the basis of cost of the work, cost of the test and importance of the work.</p> | | |
| | Performance Testing of ACP system | | |
| | Tests to be conducted in the NABL certified laboratories | | |
| | 1. Performance Laboratory Test for Air Leakage Test (-50pa to -300pa) & (+50pa to +300pa) as per ASTM E-283-04 testing method for a range of testing limit 1 to 200 mVhr" | | |
| | 2. 2. Static Water Penetration Test. (50pato 1500pa) as per ASTM E-331-09 testing method for a range upto 2000 ml." | | |
| | 3. Dynamic Water Penetration (50pato 1500pa) as per AAMA 501.01-05 testing method for a range upto 2000 ml" | | |



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Aluminium Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) |
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| | 4. Structural Performance Deflection and deformation by static air pressure test (1.5 times design wind pressure without any failure) as per ASTM E-330-10 testing method for a range upto failure) as per ASTM E-330-10 testing method for a range upto 50 mm" | | |
| | 5. Seismic Movement Test (Upto 30 mm) as per AAMA 501.4-09 testing method for Qualitative test. | | |
| | Tests to be conducted on site | | |
| | 6. Onsite Test for Water Leakage for a pressure range 50 kpa to 240 kpa (35 psi) upto 2000 ml" | | |
| R3-CS-AW-19 | Providing and fixing 12mm thk toughened etched glass as per the design, as per the design. Glass to be fixed at top & bottom in heavy gauge aluminium 'c ' channel concealed in floor & boxing. Cost to be inclusive of silicon sealant to the periphery of the glass as directed. | Sqm | 1689.00 |
| R3-CS-AW-20 | Design, supply, fabrication & erection of approved structural glazing using specially designed Vertical Mullion & Horizontal Transoms of Required size & as per architect's approved Grid work with aluminium rectangular sections to be fixed in masonry at interval of each floor on concrete slab with 80 mm x 100 mm x 5mm thick galvanized M & L angle fixed on wall side with raw bolt size of 10 mm x 90 mm with necessary bolts & washers / nuts for the plumb the line levels. the glass panel's shall be fixed on a specially designed architectural sub- frame using Dow Corning 995 structural sealant & GE Silicon (SSG - 4000) sub frame would be fixed on main frame grid in a manner that no aluminium frame is visible from outside & grooves between the glass panel shall be filled with weather sealant of Dow Corning 789 / GE Sil proof to make it air tight, water proof & dust free thus giving it a flush look outside. Glass will be of 6 mm thick Glaverbel reflective type with heat strengthened toughened | SQM | 4168.00 |



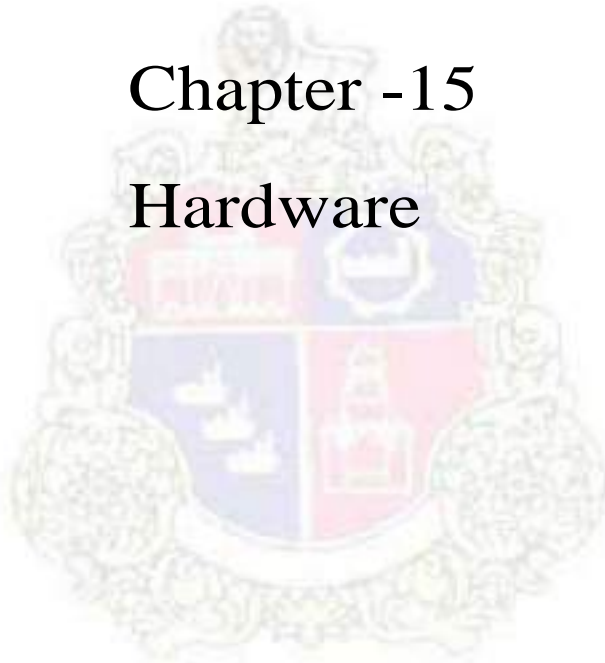
Buildings Schedule/ Common Schedule 2023
Aluminium Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|
| R3-CS-AW-21 | <p>Design,Fabrication & Installation of 4 mm thick exterior grade PVDF coated aluminium composite panels of ALUCOBOND having 0.5 mm thick aluminium PVDF coated sheet available in standard colours + 3 mm core material + 0.5 mm aluminium sheet chemically treated (back sheet) bent as per requirement, fitted on anodised aluminium necessary coated rectangular grid work, hardware, fixtures,brackets, anchor, fasteners of S.S. 304 grade etc. complete duly sealed with weathering silicon manufactured by DOW corning / G.E. silicon for circular columns and curved beams etc complete. All section for supporting ACP shall be of size 50 x 50 x 2.5 mm at a distance of 1.2 m Horizontally & Vertically or as per requirement of the design shop drawing has to be submitted by the contractor for the approval of structural Engineer. a) For Terrace b) For Entrance Canopy REBATE FOR SIZES Size :39"-Bruhan mumbai Mahanagarpalika shri Harilal bhagwati sarvsadharan Rugnalay (For 11" = $505.94 \times 11 / 25$ = Rs. 222.17 per Inch. Size :46"-MCGM SHRI HARILAL BHAGWATI GENERAL HOSPITAL (For 4" = $505.94 \times 4 / 25$ = Rs. 80.95 per Inch</p> | SQM | 3999.00 |



Chapter -15

Hardware



Buildings Schedule/ Common Schedule 2023
HardwareWorks

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) | STAR RATING |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|--------------|
| R3-CS-HW | HARDWARE WORKS | | | |
| R3-CS-HW-01 | Providing and fixing mortise lock of approved make manufactured as per IS:2209 and 6607 and as described below for doors with necessary fixtures and materials and labour etc. complete. | | | |
| R3-CS-HW-01-a | Brass mortice latch and lock | Nos | 774 | |
| R3-CS-HW-01-b | Chromium plated Brass mortice latch and lock | Nos | 1072 | ** ***, , |
| R3-CS-HW-01-c | Chromium plated Brass mortice latch and lock with round knob | Nos | 1720 | ** *** |
| R3-CS-HW-02 | Providing and fixing peep hole as described below manufactured as per IS wherever applicable for doors with necessary fixtures and materials and labour etc. complete. | | | |
| R3-CS-HW-02-a | Steel peep hole with chromium plating | Nos | 125 | |
| R3-CS-HW-02-b | Stainless Steel peep hole | Nos | 111 | |
| R3-CS-HW-02-c | Brass peep hole | Nos | 193 | ** *** |
| R3-CS-HW-03 | Providing and fixing door stopper as described below of approved make manufactured as described below and as per IS:1823- 1992 for doors with necessary materials and labour cost etc. complete. | | | |
| R3-CS-HW-03-a | Anodized Aluminium door stopper | Nos | 114 | |
| R3-CS-HW-03-b | M.S. door stopper (chrome plated) | Nos | 92 | |
| R3-CS-HW-03-c | Stainless steel door stopper | Nos | 127 | |
| R3-CS-HW-03-d | Brass (First Quality) door stopper | Nos | 183 | ** *** |
| R3-CS-HW-04 | manufactured as per relevant IS for door & windows with necessary materials and labour costs etc. complete. | | | |
| R3-CS-HW-04-a | A] Iron oxidized | | | |
| R3-CS-HW-04-a-1 | 75 mm Long | Nos | 44 | |
| R3-CS-HW-04-a-2 | 100 mm Long | Nos | 49 | |
| R3-CS-HW-04-a-3 | 125 mm Long | Nos | 52 | |
| R3-CS-HW-04-a-4 | 150 mm Long | Nos | 57 | |
| R3-CS-HW-04-b | B] Standard brass hinges | | | |
| R3-CS-HW-04-b-1 | 75 mm Long | Nos | 70 | ** ***, , |
| R3-CS-HW-04-b-2 | 100 mm Long | Nos | 90 | ** ***, , |
| R3-CS-HW-04-b-3 | 125 mm Long | Nos | 98 | ** ***, , |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) | STAR RATING |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|-------------------|
| R3-CS-HW-04-b-4 | 150 mm Long | Nos | 109 | ** ** , |
| R3-CS-HW-04-c | CJ Standard anodized aluminium hinges | | | |
| R3-CS-HW-04-c-1 | 75 mm Long | Nos | 78 | |
| R3-CS-HW-04-c-2 | 100 mm Long | Nos | 101 | |
| R3-CS-HW-04-c-3 | 125 mm Long | Nos | 121 | |
| R3-CS-HW-04-c-4 | 150 mm Long | Nos | 144 | |
| R3-CS-HW-04-d | DJ Standard Stainless Steel hinges | | | |
| R3-CS-HW-04-d-1 | 75 mm Long | Nos | 50 | |
| R3-CS-HW-04-d-2 | 100 mm Long | Nos | 57 | |
| R3-CS-HW-04-d-3 | 125 mm Long | Nos | 60 | |
| R3-CS-HW-04-d-4 | 150 mm Long | Nos | 67 | |
| R3-CS-HW-04-e | EJ Standard Stainless Steel hinges with ball bearing | | | |
| R3-CS-HW-04-e-1 | 75 mm Long | Nos | 63 | |
| R3-CS-HW-04-e-2 | 100 mm Long | Nos | 71 | |
| R3-CS-HW-04-e-3 | 125 mm Long | Nos | 78 | |
| R3-CS-HW-04-e-4 | 150 mm Long | Nos | 87 | |
| R3-CS-HW-05 | Providing and fixing parliamentary hinges as described below conforming IS:362 latest edition, for doors and windows with necessary materials and labour cost etc. complete. | | | |
| R3-CS-HW-05-a | AJ M.S. pressed and oxidized | | | |
| R3-CS-HW-05-a-1 | 75 mm Long | Nos | 60 | |
| R3-CS-HW-05-a-2 | 100 mm Long | Nos | 64 | |
| R3-CS-HW-05-a-3 | 125 mm Long | Nos | 65 | |
| R3-CS-HW-05-a-4 | 150 mm Long | Nos | 70 | |
| R3-CS-HW-05-b | BJ M.S. pressed with chromium plating | | | |
| R3-CS-HW-05-b-1 | 75 mm Long | Nos | 59 | |
| R3-CS-HW-05-b-2 | 100 mm Long | Nos | 62 | |
| R3-CS-HW-05-b-3 | 125 mm Long | Nos | 64 | |
| R3-CS-HW-05-b-4 | 150 mm Long | Nos | 68 | |



| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) | STAR RATING |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|-------------|
| R3-CS-HW-05-c | B] Brass with chromium plating | | | |
| R3-CS-HW-05-c-1 | 75 mm Long | Nos | 105 | ** *** ; |
| R3-CS-HW-05-c-2 | 100 mm Long | Nos | 111 | ** *** ; |
| R3-CS-HW-05-c-3 | 125 mm Long | Nos | 118 | ** *** ; |
| R3-CS-HW-05-c-4 | 150 mm Long | Nos | 128 | ** *** ; |
| R3-CS-HW-06 | Providing and fixing aldrops of 16 mm diameter bars manufactured as per IS:2681-1991, wherever they apply for doors and windows with necessary materials and labour etc. complete. | | | |
| R3-CS-HW-06-a | A] Iron oxidized / bright finished | | | |
| R3-CS-HW-06-a-1 | 250 mm long. | Nos | 204 | |
| R3-CS-HW-06-a-2 | 300 mm long. | Nos | 214 | |
| R3-CS-HW-06-b | Standard Brass Aldrops | | | |
| R3-CS-HW-06-b-1 | 250 mm long. | Nos | 316 | ** *** ; |
| R3-CS-HW-06-b-2 | 300 mm long. | Nos | 364 | ** *** ; |
| R3-CS-HW-06-c | Standard Anodized Aluminium make | | | |
| R3-CS-HW-06-c-1 | 250 mm long. | Nos | 349 | |
| R3-CS-HW-06-c-2 | 300 mm long. | Nos | 412 | |
| R3-CS-HW-06-d | Standard Stainless Steel make Aldrop | | | |
| R3-CS-HW-06-d-1 | 250 mm long. | Nos | 362 | |
| R3-CS-HW-06-d-2 | 300 mm long. | Nos | 227 | |
| R3-CS-HW-07-a | P/F iron oxidized tadi of 12mm dia., 200mm long. | Nos | 168 | |
| R3-CS-HW-07-b | P/F iron oxidized aldrop of 12mm dia., 250mm long. | Nos | 191 | |
| R3-CS-HW-07-c | P/F standard brass aldrop of 12mm dia., 200mm long. | Nos | 382 | |
| R3-CS-HW-07-d | P/F standard brass aldrop of 12mm dia., 250mm long. | Nos | 439 | |
| R3-CS-HW-07-e | P/F anodized aluminum aldrop of 12mm dia., 200mm long. | Nos | 288 | |
| R3-CS-HW-07-f | P/F anodized aluminum aldrop of 12mm dia., 250mm long. | Nos | 323 | |
| R3-CS-HW-07-g | P/F stailless steel aldrop of 12mm dia., 200mm long. | Nos | 273 | |
| R3-CS-HW-07-h | P/F stailless steel aldrop of 12mm dia., 250mm long. | Nos | 296 | |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) | STAR RATING |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|--------------|
| R3-CS-HW-08 | conforming to IS:204-1992 (Part I,II) for doors & windows with necessary materials and labour etc. complete. | | | |
| R3-CS-HW-08-a | A] Iron oxidized / bright finished | | | |
| R3-CS-HW-08-a-1 | 100 mm long. | Nos | 67 | |
| R3-CS-HW-08-a-2 | 150 mm long. | Nos | 76 | |
| R3-CS-HW-08-a-3 | 200 mm long. | Nos | 85 | |
| R3-CS-HW-08-a-4 | 250 mm long. | Nos | 103 | |
| R3-CS-HW-08-a-5 | 300 mm long. | Nos | 80 | |
| R3-CS-HW-08-b | B] Standard Anodised Aluminium | | | |
| R3-CS-HW-08-b-1 | 100 mm long. | Nos | 63 | |
| R3-CS-HW-08-b-2 | 150 mm long. | Nos | 70 | |
| R3-CS-HW-08-b-3 | 200 mm long. | Nos | 72 | |
| R3-CS-HW-08-b-4 | 250 mm long. | Nos | 75 | |
| R3-CS-HW-08-b-5 | 300 mm long. | Nos | 87 | |
| R3-CS-HW-08-c | C] Standard stainless steel | | | |
| R3-CS-HW-08-c-1 | 100 mm long. | Nos | 77 | |
| R3-CS-HW-08-c-2 | 150 mm long. | Nos | 102 | |
| R3-CS-HW-08-c-3 | 200 mm long. | Nos | 86 | |
| R3-CS-HW-08-c-4 | 250 mm long. | Nos | 150 | |
| R3-CS-HW-08-c-5 | 300 mm long. | Nos | 173 | |
| R3-CS-HW-08-d | D] Standard Brass Tower bolt | | | |
| R3-CS-HW-08-d-1 | 100 mm long. | Nos | 130 | ** ***, ; |
| R3-CS-HW-08-d-2 | 150 mm long. | Nos | 180 | ** ***, ; |
| R3-CS-HW-08-d-3 | 200 mm long. | Nos | 226 | ** ***, ; |
| R3-CS-HW-08-d-4 | 250 mm long. | Nos | 276 | ** ***, ; |
| R3-CS-HW-08-d-5 | 300 mm long. | Nos | 322 | ** ***, ; |
| R3-CS-HW-09 | Providing and fixing handles as described below, manufactured as per IS:208-1992 for doors and windows and with necessary materials and fixtures like screws etc. and all labour etc. complete. | | | |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) | STAR RATING |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|--------------|
| R3-CS-HW-09-a | A] Iron oxidized / bright finished | | | |
| R3-CS-HW-09-a-1 | 75 mm long. | Nos | 33 | |
| R3-CS-HW-09-a-2 | 100 mm long. | Nos | 40 | |
| R3-CS-HW-09-a-3 | 125 mm long. | Nos | 46 | |
| R3-CS-HW-09-a-4 | 150 mm long. | Nos | 53 | |
| R3-CS-HW-09-a-5 | 200 mm long. | Nos | 59 | |
| R3-CS-HW-09-b | B] Standard Brass Handles | | | |
| R3-CS-HW-09-b-1 | 75 mm long. | Nos | 207 | ** ***, ; |
| R3-CS-HW-09-b-2 | 100 mm long. | Nos | 246 | ** ***, ; |
| R3-CS-HW-09-b-3 | 125 mm long. | Nos | 272 | ** ***, ; |
| R3-CS-HW-09-b-4 | 150 mm long. | Nos | 299 | ** ***, ; |
| R3-CS-HW-09-b-5 | 200 mm long. | Nos | 381 | ** ***, ; |
| R3-CS-HW-09-b-6 | 250 mm long. | Nos | 542 | ** ***, ; |
| R3-CS-HW-09-b-7 | 300 mm long. | Nos | 541 | ** ***, ; |
| R3-CS-HW-09-c | C] Standard Anodized aluminium make | | | |
| R3-CS-HW-09-c-1 | 100 mm long. | Nos | 38 | |
| R3-CS-HW-09-c-2 | 150 mm long. | Nos | 41 | |
| R3-CS-HW-09-c-3 | 200 mm long. | Nos | 45 | |
| R3-CS-HW-09-c-4 | 250 mm long. | Nos | 52 | |
| R3-CS-HW-09-c-5 | 300 mm long. | Nos | 55 | |
| R3-CS-HW-09-d | D] Standard Stainless Steel | | | |
| R3-CS-HW-09-d-1 | 100 mm long. | Nos | 48 | |
| R3-CS-HW-09-d-2 | 150 mm long. | Nos | 62 | |
| R3-CS-HW-09-d-3 | 200 mm long. | Nos | 147 | |
| R3-CS-HW-09-d-4 | 250 mm long. | Nos | 169 | |
| R3-CS-HW-09-d-5 | 300 mm long. | Nos | 228 | |
| R3-CS-HW-10 | Providing and fixing double / single acting spring hinges as described below manufactured relevant standards for doors with all labour, materials and necessary fixtures etc. complete | | | |



| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) | STAR RATING |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|-------------|
| R3-CS-HW-10-a | A] Iron oxidized spring hinges | | | |
| R3-CS-HW-10-a-1 | 100 mm long. | Nos | 190 | |
| R3-CS-HW-10-a-2 | 125 mm long. | Nos | 206 | |
| R3-CS-HW-10-a-3 | 150 mm long. | Nos | 203 | |
| R3- | A] brass spring hinges | | | |
| R3-CS-HW-10-b-1 | 100 mm long. | Nos | 509 | ** *** , |
| R3-CS-HW-10-b-2 | 125 mm long. | Nos | 561 | ** *** , |
| R3-CS-HW-10-b-3 | 150 mm long. | Nos | 814 | ** *** , |
| R3-CS-HW-11 | approved make manufactured as per IS:3564 for doors with necessary materials and labour cost etc. complete. | | | |
| R3-CS-HW-11-a | Light (for shutter weight up to 35 kg) | Nos | 780 | |
| R3-CS-HW-11-b | Medium (for shutter weighting from 36 – 60kg) | Nos | 803 | |
| R3-CS-HW-11-c | Heavy (for shutter weighting from 61 – 80 kg) | Nos | 1033 | |
| R3-CS-HW-12 | Providing and fixing iron oxidized hanging type floor door stopper with rubber cap of approved make including necessary screws, fixtures, materials and labour etc. complete. | No. | 91 | |
| R3-CS-HW-13 | Providing and fixing magnetic type floor door stopper of approved make including necessary screws, fixtures, materials and labour etc. complete. | No. | 104 | |
| R3-CS-HW-14 | (straight peg type) with necessary screws etc. complete | | | |
| R3-CS-HW-14-a | 300 mm weighing not less than 200 gms. | Nos | 110 | |
| R3-CS-HW-14-b | 250 mm weighing not less than 150 gms. | Nos | 102 | |
| R3-CS-HW-14-c | 200 mm weighing not less than 120 gms | Nos | 103 | |
| R3-CS-HW-15 | spring of approved brand and manufacture IS : 6315 marked, for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as directed by Engineer in-charge. | | | |
| R3-CS-HW-15-a | With stainless steel cover plate | Nos | 2900 | ** |
| R3-CS-HW-15-b | With brass cover plate | Nos | 2999 | *** |
| R3-CS-HW-16 | with set of three keys manufactured as per best engineering practice and as per IS:3847- 1992 for doors with necessary materials and labour etc. complete, to ensure smooth operation (Godrej make or equivalent) | Nos | 1076 | ** *** , |



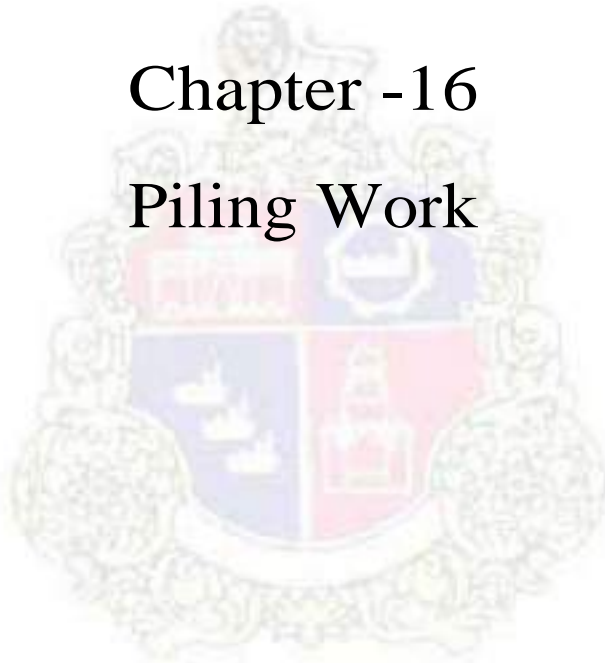
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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) | STAR RATING |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|-------------|
| R3-CS-HW-17 | the frames as well as on intermediate hinge lines and meeting styles as shown in the drawings to make the doors or windows airtight etc complete as directed. | Rmt | 143 | |
| R3-CS-HW-18 | be less than 15 microns i.e. AC-15 as per IS, the anodising must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour) kick plate of aluminium sheet 24 G conforming to IS:1948, 1961 fixed to door shutters etc. complete. | No. | 267 | *** |
| R3-CS-HW-19 | Providing and fixing stainless steel door chain including necessary stainless steel screws etc complete as directed by Engineer In Charge. | No. | 86 | |
| R3-CS-HW-20 | make for doors with necessary fixtures and materials and labour etc. Complete as directed by Engineer In Charge. | No. | 1075 | |
| R3-CS-HW-21 | Provide and fixing concealed door closures as per the company specifications and architect instructions | No | 5772 | |



Chapter -16

Piling Work



| ITEM CODE | ITEM DESCRIPTION | UNIT | UPDATED RATE WITHOUT GST (Rs) |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------|
| R3-CS-PLG | PILING WORKS | | |
| | Chapter - 1. Bored Cast - In Situ Piles | | |
| R3-CS-PLG-1-1 | Providing and Casting RCC bored cast in-situ Vertical as per IS 2911 (Part 1, Section 2) by boring through all kinds of soils/ Sand /Rock by rotary hydraulic rigs using temporary casing up to stable strata / bentonite mud circulation as specified, from tip to cut-off elevation of piles. Reinforced Cement Concrete work of filling the bore (after placement of reinforcement cage as per drawing) with M25 grade Ready Mix Concrete using 43 Grade Ordinary Portland Cement confirming to IS : 8112, of approved make and brand with minimum cement content of 400 kg/m ³ and with water -cement ratio, including the water contained in aggregates (10mm to max 20mm size), not exceeding 0.45, with approved plasticizer as specified, including placing of concrete from tip to minimum of 600mm above the specified cut-off level, breaking pile head to cutoff level and exposing pile reinforcement for embedment in pile cap, Disposing & levelling of bored/excavated material suitably at locations approved by the local authorities including all lead and lifts, all complete for piles having diameter of (Pile will be measured for payment for length between pile tip to cut-off level along the pile axis. Reinforcement shall be paid separately) | | |
| | Note : Cost of temporary casing shall be incurred by the Contractor. | | |
| R3-CS-PLG-1-1-a-1 | 300 mm | Rmt | 3787 |
| R3-CS-PLG-1-1-a-2 | 400 mm | Rmt | 4225 |
| R3-CS-PLG-1-1-a | 500 mm | Rmt | 4787 |
| R3-CS-PLG-1-1-b | 600 mm | Rmt | 5517 |
| R3-CS-PLG-1-1-c | 750 mm | Rmt | 7879 |
| R3-CS-PLG-1-1-d | 900 mm | Rmt | 11715 |
| | Concreting with approved sulphate resistant concrete | | |
| R3-CS-PLG-1-1-e | 500 mm | Rmt | 4846 |
| R3-CS-PLG-1-1-f | 600 mm | Rmt | 5602 |
| R3-CS-PLG-1-1-g | 750 mm | Rmt | 8013 |
| R3-CS-PLG-1-1-h | 900 mm | Rmt | 11908 |
| R3-CS-PLG-2 | Providing and Casting RCC bored cast in-situ Vertical piles as per IS 2911 (Part 1, Section 2) by boring through all kinds of soils/ Sand by Tripod, Winch and Chisel using temporary casing up to stable strata / bentonite mud circulation as specified, from tip to cut-off elevation of piles. Reinforced Cement Concrete work of filling the bore (after placement of reinforcement cage as per drawing) with M25 grade Ready Mix Concrete using 43 Grade Ordinary Portland Cement confirming to IS : 8112, of approved make and brand with minimum cement content of 400 kg/m ³ and with water - cement ratio, including the water contained in aggregates (10mm to max 20mm size), not exceeding 0.45, with approved plasticizer as specified, including placing of concrete from tip to minimum of 600mm above the specified cut-off level, breaking pile head to cutoff level and exposing pile reinforcement for embedment in pile cap, and including disposing & levelling of bored/excavated material suitably at locations approved by the local authorities including all lead and lifts, all complete for piles having diameter of (Pile will be measured for payment for length between pile tip to cut-off level along the pile axis. Reinforcement shall be paid separately) | | |
| | Note : Cost of temporary casing shall be incurred by the Contractor. | | |
| | Chiselling of local boulders shall be carried at contractor's cost. | | |

Piling Work

| | | | |
|-----------------|---------------------------------------------------------------------------------|-----|------|
| R3-CS-PLG-2-1-a | 300 mm | Rmt | 1466 |
| R3-CS-PLG-2.1 | 400 mm | Rmt | 1810 |
| R3-CS-PLG-2.2 | 450 mm | Rmt | 2290 |
| R3-CS-PLG-2.3 | 500 mm | Rmt | 2827 |
| R3-CS-PLG-2.4 | 600 mm | Rmt | 4073 |
| R3-CS-PLG-2.5 | 750 mm | Rmt | 6368 |
| R3-CS-PLG-2.6 | 900 mm | Rmt | 9176 |
| | Concreting with approved sulphate resistant concrete | | |
| R3-CS-PLG-2.7 | 400 mm | Rmt | 1848 |
| R3-CS-PLG-2.8 | 450 mm | Rmt | 2338 |
| R3-CS-PLG-2.9 | 500 mm | Rmt | 2886 |
| R3-CS-PLG-2.10 | 600 mm | Rmt | 4159 |
| R3-CS-PLG-2.11 | 750 mm | Rmt | 6502 |
| R3-CS-PLG-2.12 | 900 mm | Rmt | 9368 |
| R3-CS-PLG-2-2 | Extra over rate for items CS-PLG-1 & 2 for using M30 instead of M 25 | | |
| R3-CS-PLG-2-2-a | 400 mm | Rmt | 28 |
| R3-CS-PLG-2-2-b | 450 mm | Rmt | 35 |
| R3-CS-PLG-2-2-c | 500 mm | Rmt | 43 |
| R3-CS-PLG-2-2-d | 600 mm | Rmt | 62 |
| R3-CS-PLG-2-2-e | 750 mm | Rmt | 97 |
| R3-CS-PLG-2-2-f | 900 mm | Rmt | 140 |
| | Concreting with approved sulphate resistant concrete | | |
| R3-CS-PLG-2-2-g | 400 mm | Rmt | 43 |
| R3-CS-PLG-2-2-h | 450 mm | Rmt | 55 |
| R3-CS-PLG-2-2-i | 500 mm | Rmt | 68 |
| R3-CS-PLG-2-2-j | 600 mm | Rmt | 98 |
| R3-CS-PLG-2-2-k | 750 mm | Rmt | 152 |
| R3-CS-PLG-2-2-l | 900 mm | Rmt | 220 |
| R3-CS-PLG-2-3 | Extra over rate for items CS-PLG-1 & 2 for using M35 instead of M 25 | | |
| R3-CS-PLG-2-3-a | 400 mm | Rmt | 82 |
| R3-CS-PLG-2-3-b | 450 mm | Rmt | 104 |
| R3-CS-PLG-2-3-c | 500 mm | Rmt | 128 |
| R3-CS-PLG-2-3-d | 600 mm | Rmt | 185 |
| R3-CS-PLG-2-3-e | 750 mm | Rmt | 289 |
| R3-CS-PLG-2-3-f | 900 mm | Rmt | 416 |
| | Concreting with approved sulphate resistant concrete | | |
| R3-CS-PLG-2-3-g | 400 mm | Rmt | 101 |
| R3-CS-PLG-2-3-h | 450 mm | Rmt | 128 |
| R3-CS-PLG-2-3-i | 500 mm | Rmt | 158 |
| R3-CS-PLG-2-3-j | 600 mm | Rmt | 228 |
| R3-CS-PLG-2-3-k | 750 mm | Rmt | 356 |
| R3-CS-PLG-2-3-l | 900 mm | Rmt | 512 |
| R3-CS-PLG-2-4 | Extra over rate for items CS-PLG-1 & 2 for using M40 instead of M 25 | | |
| R3-CS-PLG-2-4-a | 400 mm | Rmt | 124 |
| R3-CS-PLG-2-4-b | 450 mm | Rmt | 157 |
| R3-CS-PLG-2-4-c | 500 mm | Rmt | 193 |
| R3-CS-PLG-2-4-d | 600 mm | Rmt | 278 |
| R3-CS-PLG-2-4-e | 750 mm | Rmt | 435 |
| R3-CS-PLG-2-4-f | 900 mm | Rmt | 627 |



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| | Concreting with approved sulphate resistant concrete | | |
| R3-CS-PLG-2-4-g | 400 mm | Rmt | 145 |
| R3-CS-PLG-2-4-h | 450 mm | Rmt | 183 |
| R3-CS-PLG-2-4-i | 500 mm | Rmt | 226 |
| R3-CS-PLG-2-4-j | 600 mm | Rmt | 325 |
| R3-CS-PLG-2-4-k | 750 mm | Rmt | 508 |
| R3-CS-PLG-2-4-l | 900 mm | Rmt | 732 |
| R3-CS-PLG-2-5 | Extra over rate for items CS-PLG-1 & 2 for using M45 instead of M 25 | | |
| R3-CS-PLG-2-5-a | 400 mm | Rmt | 154 |
| R3-CS-PLG-2-5-b | 450 mm | Rmt | 195 |
| R3-CS-PLG-2-5-c | 500 mm | Rmt | 241 |
| R3-CS-PLG-2-5-d | 600 mm | Rmt | 347 |
| R3-CS-PLG-2-5-e | 750 mm | Rmt | 543 |
| R3-CS-PLG-2-5-f | 900 mm | Rmt | 782 |
| | Concreting with approved sulphate resistant concrete | | |
| R3-CS-PLG-2-5-g | 400 mm | Rmt | 181 |
| R3-CS-PLG-2-5-h | 450 mm | Rmt | 229 |
| R3-CS-PLG-2-5-i | 500 mm | Rmt | 282 |
| R3-CS-PLG-2-5-j | 600 mm | Rmt | 407 |
| R3-CS-PLG-2-5-k | 750 mm | Rmt | 635 |
| R3-CS-PLG-2-5-l | 900 mm | Rmt | 915 |
| R3-CS-PLG-3.0 | Empty boring through over burden including road crust upto the bottom of pile cap for all diameters of piles. | Rmt. | 3410 |
| R3-CS-PLG-4.0 | Extra over rates quoted in items 1 & 2 for chiseling through soft / weathered rock / hard rock / large boulders / old foundations / masonry / concrete etc. using a chisel weighing not less than 750 kg. (Is applicable to boring by Tripod and Winch Equipment) | | |
| R3-CS-PLG-4.1 | 400 mm | Rmt. | 1480 |
| R3-CS-PLG-4.2 | 450 mm | Rmt. | 1873 |
| R3-CS-PLG-4.3 | 500 mm | Rmt. | 2312 |
| R3-CS-PLG-4.4 | 550 mm | Rmt. | 2797 |
| R3-CS-PLG-4.5 | 600 mm | Rmt. | 3329 |
| R3-CS-PLG-4.6 | 750 mm | Rmt. | 5202 |
| R3-CS-PLG-4.7 | 900 mm | Rmt. | 7491 |
| R3-CS-PLG-5.0 | Supply and placing in position high strength deformed steel bars reinforcement of grade Fe-500 conforming to IS:1786 (latest version) for RCC Cast-in-situ piles for full length of pile including transporting the same from source to site of work, straightening, cleaning, decoiling, cutting, bending to required shape and lengths as per details, binding with 16 SWG black soft annealed binding wire, supplying and placing with proper cover blocks, supports, chairs, spacers, welding, if required, to form a grid cage etc., complete as per instruction of the Engineer-in-Charge (steel supplied by contractor at his own cost and duly approved by Engineer in charge) | MT | 67304 |
| R3-CS-PLG-5.1 | Providing and installing in position permanent M.S. liners for piles of specified diameter and fabricated from 6.0mm to 8.0mm thick plates as per detailed drawings and designs including cutting, bending to required shape, welding, painting with Red Oxide paint etc. complete as specified and directed. | MT | 90372 |
| Chapter - 2. Driven Cast - In Situ Piles | | | |



Piling Work

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| R3-CS-PLG-6.0 | Installation of Driven Cast-In-situ RCC vertical pile as per IS 2911 (Part 1 - Sec 1) up to 20m depth below Existing Ground Level by driving a suitable MS casing pipe in all types of soil (having detachable MS Shoe (flat / conical), at the bottom and driving using atleast 5MT hammer for the length as specified (length to be measured from pile cut off level to the bottom of pile) / for the desired set criteria (to be finalized during detailed engineering stage) so as to achieve the safe load carrying capacity as per the design using cement concrete grade of M35 conforming to IS 456 with 20mm nominal size stone aggregates with a minimum cement content of 400 kg/cum of concrete including providing all materials (but excluding the reinforcement for which measurement shall be made separately), with approved plasticizer up to min 600mm above cut-off level, breaking/chipping pile head to cutoff level and exposing pile reinforcement for embedment in pile cap etc. including approved MS shoe (design and drawing of MS shoe shall be submitted for approval without any extra cost to MCGM) etc all complete as per the specification, drawing as directed by engineer in charge. | | |
| R3-CS-PLG-6.1 | 400mm | Rmt | 4284 |
| R3-CS-PLG-6.2 | 450mm | Rmt | 4572 |
| R3-CS-PLG-6.3 | 500mm | Rmt | 5061 |
| R3-CS-PLG-6.4 | 550mm | Rmt | 5251 |
| R3-CS-PLG-7.0 | Installation of Driven Cast-In-situ RCC vertical pile as per IS 2911 (Part 1 Sec 1) up to 30m depth below Existing Ground Level by driving a suitable MS casing pipe in all types of soil (having detachable MS Shoe (flat/ conical), at the bottom and driving using atleast 5MT hammer for the length as specified (length to be measured from pile cut off level to the bottom of pile) / for the desired set criteria (to be finalized during detailed engineering stage) so as to achieve the safe load carrying capacity as per the design using cement concrete grade of M35 conforming to IS 456 with 10mm to max 20mm nominal size stone aggregates with a minimum cement content of 400 kg/cum of concrete including providing all materials (but excluding the reinforcement for which measurement shall be made separately), with approved plasticizer up to min 600mm above cut-off level, breaking/chipping pile head to cutoff level and exposing pile reinforcement for embedment in pile cap etc including approved MS shoe (design and drawing of MS shoe shall be submitted for approval without any extra cost to MCGM) etc all complete as per the specification, drawing as directed by engineer in charge. | | |
| R3-CS-PLG-7.1 | 400 mm | Rmt | 3218 |
| R3-CS-PLG-7.2 | 450mm | Rmt | 3506 |
| R3-CS-PLG-7.3 | 500mm | Rmt | 3828 |
| R3-CS-PLG-7.4 | 550mm | Rmt | 4185 |
| | Concreting with approved sulphate resistant concrete | | |
| R3-CS-PLG-7.5 | 400 mm | Rmt | 3275 |
| R3-CS-PLG-7.6 | 450 mm | Rmt | 3579 |
| R3-CS-PLG-7.7 | 500mm | Rmt | 3918 |
| R3-CS-PLG-7.8 | 550mm | Rmt | 4293 |
| | Chapter - 2. Under Reamed Piles (Bore Cast In-Situ piles with single/double bulb) | | |



Piling Work

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| R3-CS-PLG-6-1 | Installation of under reamed vertical piles as per IS: 2911 (Part III) through clays and providing specified pile dia single of specified size under reamed piles with or without using bentonite, tip to cut-off elevation of piles and called for on the drawings or as instructed by the Engineer, filling the bore by using tremie (after placement of reinforcement cage as per drawing) with M35 Grade concrete using 43 Grade Ordinary Portland Cement conforming to IS: 8112, of approved make and brand, with a minimum cement content of 400 kg/m ³ of concrete and with water-cement ratio, including the water contained in the aggregates, not exceeding 0.45, approved plasticisers, if required (quantity as per manufacturer's instructions/ recommendation), etc. all as specified or as directed, including concreting a minimum of 600 mm above the specified cut-off level, cutting-off piles at the elevation specified, etc. and including disposing off the bored/ excavated material upto the dumping yard approved by the local authorities, all complete: (Excluding Reinforcement) : | | |
| R3-CS-PLG-6-1-a | 400 mm | Rmt | 4259 |
| R3-CS-PLG-6-1-b | 450 mm | Rmt | 4610 |
| R3-CS-PLG-6-1-c | 500 mm | Rmt | 4981 |
| R3-CS-PLG-6-2 | Extra over item No. CS-PLG-6-1 for providing additional bulb in under reamed piles, under specified dia meter (Only the quantity of extra bulbs are to be paid). | | |
| R3-CS-PLG-6-2-a | 400 mm | each | 2960 |
| R3-CS-PLG-6-2-b | 450 mm | each | 3111 |
| R3-CS-PLG-6-2-c | 500 mm | each | 3284 |
| Chapter - 3. Driven Precast Piles | | | |
| R3-CS-PLG-8.0 | Providing supply and installation of Driven RCC Precast vertical / raker piles of circular shape of M35 grade as per IS 2911 (Part 1, Section 3) from the approved manufacturer (Manufacture of precast concrete piles shall confirm to the guidelines in clause no. 7.1, 7.2 and 7.3 of IS 2911 (Part 1, Section 3)) and handling, lifting, pitching and driving of piles through loose to medium sands (casted with MS Shoe (flat/ conical)) by Vibrating Pile driving hammer to the specified depth or refusal as specified for the desired set criteria (to be finalized during detailed engineering stage) so as to achieve the safe load carrying capacity as per the design. Breaking/chipping pile head to cutoff level and exposing pile reinforcement for embedment in pile cap and including approved MS shoe (design and drawing of MS shoe shall be submitted for approval without any extra cost to MCGM), all complete for piles having diameter of (vertical /raker piles will be measured for payment for a length between pile tip to cut-off level along the pile axis) | | |
| R3-CS-PLG-8.1 | 400 mm | Rmt | 2885 |
| R3-CS-PLG-8.2 | 450 mm | Rmt | 3172 |
| R3-CS-PLG-8.3 | 500 mm | Rmt | 4094 |
| R3-CS-PLG-8.4 | 600 mm | Rmt | 4917 |
| R3-CS-PLG-9.0 | Providing supply and installation of Driven RCC Precast vertical / raker piles of square shape of M35 grade as per IS 2911 (Part 1, Section 3) from the approved manufacturer (Manufacture of precast concrete piles shall confirm to the guidelines in clause no. 7.1, 7.2 and 7.3 of IS 2911 (Part 1, Section 3)) and handling, lifting, pitching and driving of piles (casted with MS Shoe (flat/ conical)) by Vibrating Pile driving hammer to the specified depth or refusal as specified for the desired set criteria (to be finalized during detailed engineering stage) so as to achieve the safe load carrying capacity as per the design. Breaking/chipping pile head to cutoff level and exposing pile reinforcement for embedment in pile cap and including approved MS shoe (design and drawing of MS shoe shall be submitted for approval without any extra cost to MCGM), all complete. (vertical /raker piles will be measured for payment for a length between pile tip to cut-off level along the pile axis) | | |

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| R3-CS-PLG-9.1 | 400 mm | Rmt | 3122 |
| R3-CS-PLG-9.2 | 450 mm | Rmt | 3471 |
| R3-CS-PLG-9.3 | 500 mm | Rmt | 4464 |
| R3-CS-PLG-9.4 | 600 mm | Rmt | 5293 |
| Chapter - 4. Bored precast piles | | | |
| R3-CS-PLG-10 | Providing and placing in position of RCC Bored Precast vertical piles of circular shape as per IS 2911 (Part 1, Section 4) by boring through all kinds of soils/ sand / rock by rotary hydraulic rigs using temporary casing up to stable strata / bentonite mud circulation as specified, from tip to cut-off elevation of piles as shown in the drawings or as instructed by the Engineer including supply of RCC M35 grade precast piles with 30mm dia casing pipe for grouting from the approved manufacturer and handling, lifting, installation to the specified depth in the prebored holes along with grouting of base/annular space through central duct of pile. Breaking / chipping of pile head to cutoff level and exposing pile reinforcement for embedment in pile cap and welding the new bars of same diameter by butt or lap weld if required, curing etc. complete as per the drawings and Engineer's instructions.etc., including empty boring and disposing & levelling of bored/excavated material suitably at locations approved by the local authorities including all lead and lifts, all complete. (piles will be measured for payment for a length between pile tip to cut-off level along the pile axis) | | |
| R3-CS-PLG-10.1 | 300 mm | Rmt | 4185 |
| R3-CS-PLG-10.2 | 350 mm | Rmt | 4405 |
| R3-CS-PLG-10.3 | 400 mm | Rmt | 4671 |
| R3-CS-PLG-10.4 | 450 mm | Rmt | 4989 |
| R3-CS-PLG-10.5 | 500 mm | Rmt | 5323 |
| R3-CS-PLG-10.6 | 600 mm | Rmt | 6109 |
| R3-CS-PLG-10.7 | 750 mm | Rmt | 8712 |
| R3-CS-PLG-11 | Grouting the base in Bored Precast piles after cleaning the borehole and annular space with minimum 1:2 cement, sand grout mix and with grout pump of required capacity with grout pressure range 30 bar to 60 bar through central duct which is casted in the pile or as specified by Engineer. | kg | 256 |
| Chapter - 5. Pile Cap | | | |
| R3-CS-PLG-12 | Preparation of base of pile caps by the removal of the unsuitable soft material, laying 230mm thick rubble soling and 100mm thick PCC of M15 grade soling as per the direction of Engineer in charge and supply of all materials, labours and equipments etc. complete. Refer R2-CS-EW-26 & R2-CS-CW-1b | cum | Refer R3-CS-EW-26 & R3-CS-CW-1b |
| R3-CS-PLG-13 | Providing and laying RCC Pile Cap in position with M35 grade Ready Mix Concrete, using Ordinary Portland Cement, of approved make and brand, with minimum cement content of 400 kg per cum of concrete and water cement ratio not more than 0.45 and aggregate of 10mm to 20mm max size including the cost of centering, shuttering finishing, compacting by vibrators and curing etc. complete as specified and directed by Engineer-in-charge. Reinforcement steel will be measured separately. Refer R2-CS-CW-13-a | cum | Refer R3-CS-CW-13-a |
| Chapter - 6. Pile Testing | | | |
| R3-CS-PLG-14 | Carrying out low strain pile integrity test on 300mm / 350 mm / 400mm diameter pile including all arrangements for test, equipments/accessories, materials, labour, submission of test report etc but excluding the cost of installation of job pile (installation of pile shall be paid separately as per relevant items)all complete as per specification and as directed by the engineer-in-charge. | Nos | 1650 |

Piling Work

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| R3-CS-PLG-14.1 | 450 mm | Nos | 1925 |
| R3-CS-PLG-14.2 | 500 mm | Nos | 2200 |
| R3-CS-PLG-14.3 | 600 mm | Nos | 2750 |
| R3-CS-PLG-14.4 | 750 mm | Nos | 3850 |
| R3-CS-PLG-14.5 | 900 mm | Nos | 4400 |
| R3-CS-PLG-15 | Conducting cross-hole test in Bored Cast In-situ piles through 50 mm diameter PVC pipes shall be embedded (minimum numbers of pipes are indicated against each diameter of piles) during the construction, including cleaning the PVC pipes, supply of testing equipment and approach, carrying out the test by a qualified and experienced personnel, interpretation of results, submission of test reports complete in all respects as directed by the Engineer, for pile having diameter of: | Nos | |
| R3-CS-PLG-15.1 | 600 mm-(minimum 3 Numbers PVC pipes to be embedded) | Nos | 5500 |
| R3-CS-PLG-15.2 | 750 mm-(minimum 4 Numbers PVC pipes to be embedded) | Nos | 5500 |
| R3-CS-PLG-15.3 | 900 mm-(minimum 5 Numbers PVC pipes to be embedded) | Nos | 5500 |
| R3-CS-PLG-16 | Conducting Initial Load Test (Compression) up to maximum test load of 2.5 times the safe load capacity on single pile as specified in accordance with IS 2911 part-4 including preparation of pile head for testing, necessary excavation, jacks, kentledge, accessories, measuring devices, recording of results, labour, submission of test report etc. complete, but excluding the cost of installation of pile (installation of pile shall be paid separately) etc.all complete as per the specification, drawing and as directed by the Engineer in charge for the following | | |
| | for vertical compression test by cyclic load method | | |
| R3-CS-PLG-16.1 | 400 mm | Nos | 330000 |
| R3-CS-PLG-16.2 | 450 mm | Nos | 385000 |
| R3-CS-PLG-16.3 | 500 mm | Nos | 440000 |
| R3-CS-PLG-16.4 | 550 mm | Nos | 495000 |
| R3-CS-PLG-16.5 | 600 mm | Nos | 550000 |
| R3-CS-PLG-16.6 | 750 mm | Nos | 605000 |
| R3-CS-PLG-16.7 | 900 mm | Nos | 660000 |
| | for vertical compression test | | |
| R3-CS-PLG-16.8 | 400 mm | Nos | 319000 |
| R3-CS-PLG-16.9 | 450 mm | Nos | 374000 |
| R3-CS-PLG-16.10 | 500 mm | Nos | 429000 |
| R3-CS-PLG-16.11 | 550 mm | Nos | 484000 |
| R3-CS-PLG-16.12 | 600 mm | Nos | 539000 |
| R3-CS-PLG-16.13 | 750 mm | Nos | 594000 |
| R3-CS-PLG-16.14 | 900 mm | Nos | 649000 |
| R3-CS-PLG-17 | Carrying out Initial Lateral Load Test on vertical (Initial/test) piles up to maximum test load of 2.0 times the safe lateral load capacity on single pile as specified in accordance with IS 2911 part-4 including all necessary arrangements such as jacks, measuring devices, etc. complete as required. (For this test if adjoining piles is used for drawing support for test then the arrangements shall be made to record deflection, submission of test report etc. of both the piles. However, testing both these piles will be considered as one test only. Providing and installing test piles measured separately) | | |



Piling Work

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| R3-CS-PLG-17.1 | 400 mm | Nos | 165000 |
| R3-CS-PLG-17.2 | 450 mm | Nos | 220000 |
| R3-CS-PLG-17.3 | 500 mm | Nos | 275000 |
| R3-CS-PLG-17.4 | 550 mm | Nos | 330000 |
| R3-CS-PLG-17.5 | 600 mm | Nos | 385000 |
| R3-CS-PLG-17.6 | 750 mm | Nos | 440000 |
| R3-CS-PLG-17.7 | 900 mm | Nos | 550000 |
| R3-CS-PLG-18 | For Tension/Uplift test (Pull Out) on vertical (initial/test) piles as per IS 2911 part-4 up to maximum test load of two times the safe load capacity as specified including all necessary arrangements such as jacks, supports, measuring devices, etc. complete as required. Arrangements shall be made to record uplift movement, submission of test report etc.(Providing and installing test piles measured separately) | | |
| R3-CS-PLG-18.1 | 400 mm | Nos | 220000 |
| R3-CS-PLG-18.2 | 450 mm | Nos | 275000 |
| R3-CS-PLG-18.3 | 500 mm | Nos | 330000 |
| R3-CS-PLG-18.4 | 550 mm | Nos | 385000 |
| R3-CS-PLG-18.5 | 600 mm | Nos | 440000 |
| R3-CS-PLG-18.6 | 750 mm | Nos | 495000 |
| R3-CS-PLG-18.7 | 900 mm | Nos | 605000 |
| R3-CS-PLG-19 | Conducting Routine Load Test (Compression) on single working pile up to maximum test load of one and a half times the safe load capacity as specified in accordance with IS 2911 part-4 including the preparation of pilehead for testing, necessary excavation, providing all arrangements of loading and unloading in the form of kentledge or anchore piles, test equipments/accessories, jacks, labours, recording of results, submission of test report etc. but excluding the cost of job pile complete as per the specification, drawing and as directed in charge for the following | | |
| | for vertical compression test by cyclic load | | |
| R3-CS-PLG-19.1 | 400 mm | Nos | 324500 |
| R3-CS-PLG-19.2 | 450 mm | Nos | 379500 |
| R3-CS-PLG-19.3 | 500 mm | Nos | 434500 |
| R3-CS-PLG-19.4 | 550 mm | Nos | 489500 |
| R3-CS-PLG-19.5 | 600 mm | Nos | 544500 |
| R3-CS-PLG-19.6 | 750 mm | Nos | 599500 |
| R3-CS-PLG-19.7 | 900 mm | Nos | 654500 |
| | for vertical compression test | | |
| R3-CS-PLG-19.8 | 400 mm | Nos | 319000 |
| R3-CS-PLG-19.9 | 450 mm | Nos | 374000 |
| R3-CS-PLG-19.10 | 500 mm | Nos | 429000 |
| R3-CS-PLG-19.11 | 550 mm | Nos | 484000 |
| R3-CS-PLG-19.12 | 600 mm | Nos | 539000 |
| R3-CS-PLG-19.13 | 750 mm | Nos | 594000 |
| R3-CS-PLG-19.14 | 900 mm | Nos | 649000 |
| R3-CS-PLG-20 | Carrying out Lateral Load Test on single working pile up to maximum test load of one and half times the safe load capacity as specified in accordance with IS 2911 part-4 including all necessary arrangements such as jacks, measuring devices, submission of test report etc. complete as required. (For this test two working piles will be considered as test piles. Arrangements shall be made to record deflection, etc. of both the piles. However, testing both these piles will be considered as one test only. | | |



Piling Work

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| R3-CS-PLG-20.1 | 400 mm | Nos | 165000 |
| R3-CS-PLG-20.2 | 450 mm | Nos | 220000 |
| R3-CS-PLG-20.3 | 500 mm | Nos | 275000 |
| R3-CS-PLG-20.4 | 550 mm | Nos | 330000 |
| R3-CS-PLG-20.5 | 600 mm | Nos | 385000 |
| R3-CS-PLG-20.6 | 750 mm | Nos | 440000 |
| R3-CS-PLG-20.7 | 900 mm | Nos | 550000 |
| R3-CS-PLG-21 | Conducting routine vertical load test for 1.5 times safe load carrying capacity by means of High Strain Dynamic Load Test including provision and erection of crane- hammer-drop mechanism, acceleration and displacement velocity transducers to record both force and velocity including excavation, dewatering, preparation of pile head including building up of pile, additional reinforcement if any etc. all complete as per approved method (ASTM D4945-89), submission of test report, specifications and instructions of the Engineer for piles of following diameter : | | |
| R3-CS-PLG-21.1 | 400 mm | Nos | 110000 |
| R3-CS-PLG-21.2 | 450 mm | Nos | 126500 |
| R3-CS-PLG-21.3 | 500 mm | Nos | 143000 |
| R3-CS-PLG-21.4 | 550 mm | Nos | 159500 |
| R3-CS-PLG-21.5 | 600 mm | Nos | 176000 |
| R3-CS-PLG-21.6 | 750 mm | Nos | 192500 |
| R3-CS-PLG-21.7 | 900 mm | Nos | 231000 |
| Chapter - 7. Sheet Piling | | | |
| R3-CS-PLG-22 | Supplying Hot Rolled steel sheet piles having properties described in respective specifications or/ and shown in drawings (Z or U type with sectional modulus of minimum 2500 cm ³ , steel grade S430 GP with minimum yield strength of 430 MPa, minimum thickness 12.0 mm thickness, with Larssen interlocks and applying recommended sealant for complete watertightness (if required) & using suitable corner sections as per site condition) .Installing the same to line and level including making reformed steel sheet piles at required positions as corners, junction, wedges etc. as per approved drawing and specification in single or group jointing by welding properly, installing vertically along the alignment with the help of equipments like air compressors,excavator mounted / crane mounted vibro hammers / Impact Hammers / Hydraulic Pressing Hammers / vibrating drives powered by electric or hydraulic motor or combination of both based on the site requirements through the grooves to interlock together, wedges to make up for the permissible deviation of piles from the plumb lines caused during pile driving, slipped piles with the adjacent ones are found or loosened or dislocated during or after installation , sheet piles shall be pulled out and replaced with new ones or redone including necessary modification to the sheet pile to suit the grove of existing sheet piles , including cost and conveyance of all materials, hire charges of equipments, hire charges of crane/rigs, cost of electrodes, mobilisation and demobilisation charges, all labour, other incidentals etc complete. (No extra payment shall be made for cost of extraction and replacement for installing of sheet pile deviating the specification or rejected by Engineer -in-charge. The rate is inclusive of providing guide frames, cost of installation pit, formation and removal of earthen bund etc.). Payment shall be made on actual depth of sheet pile installation. | | |



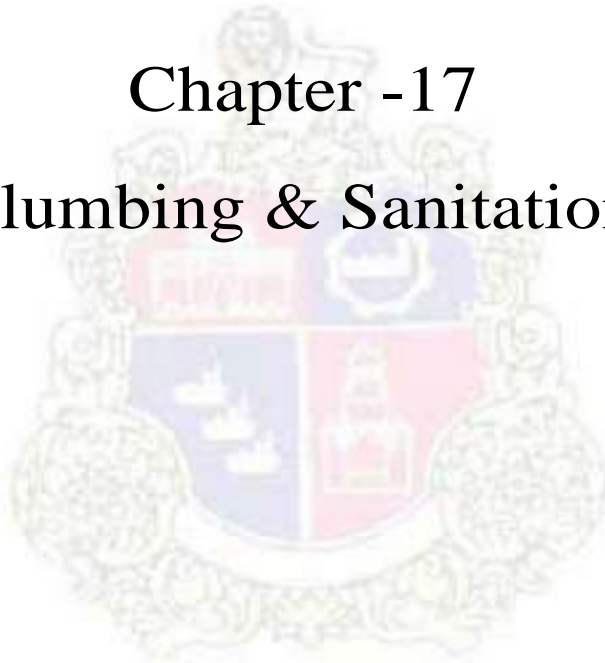
Piling Work

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| | Permanent sheet piles | | |
| R3-CS-PLG-22.1 | (a) For depth 0 to 5 m below ground level | Sqm | 10743 |
| R3-CS-PLG-22.2 | (b) For depth 0 to 10 m below ground level | Sqm | 13372 |
| R3-CS-PLG-22.3 | (c) For depth 0 to 15 m below ground level | Sqm | 15235 |
| | | | |
| | Sheet piles for with two time use | | |
| R3-CS-PLG-22.4 | (a) For depth 0 to 5 m below ground level | Sqm | 6421 |
| R3-CS-PLG-22.5 | (b) For depth 0 to 10 m below ground level | Sqm | 8106 |
| R3-CS-PLG-22.6 | (c) For depth 0 to 15 m below ground level | Sqm | 9527 |
| | | | |
| | Sheet piles with three time use | | |
| R3-CS-PLG-22.7 | (a) For depth 0 to 5 m below ground level | Sqm | 5124 |
| R3-CS-PLG-22.8 | (b) For depth 0 to 10 m below ground level | Sqm | 6497 |
| R3-CS-PLG-22.9 | (c) For depth 0 to 15 m below ground level | Sqm | 7693 |
| | | | |
| | Sheet piles with four time use | | |
| R3-CS-PLG-22.10 | (a) For depth 0 to 5 m below ground level | Sqm | 4476 |
| R3-CS-PLG-22.11 | (b) For depth 0 to 10 m below ground level | Sqm | 5692 |
| R3-CS-PLG-22.12 | (c) For depth 0 to 15 m below ground level | Sqm | 6776 |
| | | | |
| R3-CS-PLG-23 | Rebate on above items for extrating sheet piles on completion of work with the help of equipments like cranes and vibratory pile driver having the frequency causing very less vibration effect etc. as directed by owner/ consultant. Extracted sheet piles shall contractor property and contractor shall remove the same from site without any extra cost to client. | | |
| R3-CS-PLG-23-1 | (a) For depth 0 to 5 m below ground level | Sqm | 2904 |
| R3-CS-PLG-23-2 | (b) For depth 0 to 10 m below ground level | Sqm | 3300 |
| R3-CS-PLG-23-3 | (c) For depth 0 to 15 m below ground level | Sqm | 3740 |
| | | | |
| R3-CS-PLG-24 | Supplying, fabricating and installing in position waling channel I.S 226 / 2062 quality to sheet piles to correct line and level as per approved drawing and specification with required accessories such as plates, bolt & nuts etc.for connecting with sheet piles as well as for splicing the channels, welding the channel joints to achieve the properties of the section / welding of connecting plates etc including cost and conveyance of all materials, cost of drilling holes, hire charges of equipments, hire charges of crane, cost of electrodes, cost of fixing with bolts, nuts & washers, all labour, painting one coat of zinchromite primer after rubbing and cleaning the surface with mechanical wire brushing, sand paper, other incidentals etc complete.(Rate quoted shall includes supplying, fabricating, drilling holes and fixing waling channels to SSP only ,cost of accessories such as connecting plates, bolts & nuts etc). | | |
| R3-CS-PLG-24.1 | (a) For depth 0 to 5 m below ground level | Sqm | 660 |
| R3-CS-PLG-24.2 | (b) For depth 0 to 10 m below ground level | Sqm | 990 |
| R3-CS-PLG-24.3 | (c) For depth 0 to 15 m below ground level | Sqm | 1320 |
| | | | |
| R3-CS-PLG-25 | Extra over rate for micro piles of 273 mm diameter by Odex Method over USOR item no R2-CS-PLG-1-1-a-1 | Rm | 1455 |



Chapter -17

Plumbing & Sanitation



| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) | STAR RATING |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------------|
| R3-CS-PS | PLUMBING AND SANITATION WORKS | | | |
| | Sanitary Installations | | | |
| R3-CS-PS-1 | Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : | | | |
| R3-CS-PS-1-a | White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests. | each | 7810 | |
| R3-CS-PS-1-b | Stainless Steel AISI-304(18/8) Orissa pattern W.C. pan of size 585x480 mm with flush pipe and integrated type foot rests. | each | 14461 | *** |
| R3-CS-PS-2 | Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : | | | |
| R3-CS-PS-2-a | W.C. pan with ISI marked white solid plastic seat and lid | each | 8007 | |
| R3-CS-PS-2-b | W.C. pan with ISI marked black solid plastic seat and lid | each | 8007 | |
| R3-CS-PS-3 | Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I.brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required : | | | |
| R3-CS-PS-3-a | W.C. pan with ISI marked white solid plastic seat and lid. | each | 7818 | |
| R3-CS-PS-3-b | W.C. pan with ISI marked black solid plastic seat and lid. | each | 7624 | *** |
| R3-CS-PS-4 | Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm and 340x410x265mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : | | | |
| R3-CS-PS-4-a | One urinal basin with 5 litre white P.V.C. automatic flushing cistern. | each | 5970 | |
| R3-CS-PS-4-b | Range of two urinal basins with 5 litre white P.V.C. automatic flushing cistern. | each | 9190 | |
| R3-CS-PS-4-c | Range of three urinal basins with 10litre white P.V.C. automatic flushing cistern. | each | 12662 | |
| R3-CS-PS-4-d | Range of four urinal basins with 10 litre white P.V.C. automatic flushing cistern. | each | 17119 | |
| R3-CS-PS-5 | Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass including painting of fittings and cutting and making good the walls and floors wherever required : | | | |
| R3-CS-PS-5-a | Single half stall urinal with 5 litre P.V.C. automatic flushing cistern. | each | 11085 | |
| R3-CS-PS-5-b | Range of two half stall urinals with 5 litre P.V.C. automatic flushing cistern. | each | 16845 | |
| R3-CS-PS-5-c | Range of three half stall urinals with 10 litre P.V.C. automatic flushing cistern. | each | 21081 | |
| R3-CS-PS-5-d | Range of four half stall urinals with 10 litre P.V.C. automatic flushing cistern. | each | 25236 | |

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| R3-CS-PS-6 | Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I. / PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete including painting of fittings and cutting and making good the walls and floors etc. wherever required : | | | |
| R3-CS-PS-6-a | Single squatting plate with 5 litre P.V.C. automatic flushing cistern. | each | 8185 | |
| R3-CS-PS-6-b | Range of two squatting plates with 5 litre P.V.C. automatic flushing cistern. | each | 12300 | |
| R3-CS-PS-6-c | Range of three squatting plates with 10 litre P.V.C. automatic flushing cistern. | each | 16029 | |
| | | | | |
| R3-CS-PS-6-d | Range of four squatting plates with 10 litre P.V.C. automatic flushing cistern. | each | 19486 | |
| R3-CS-PS-7 | Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : | | | |
| R3-CS-PS-7-a | White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps. | each | 3858 | |
| R3-CS-PS-7-b | White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap. | each | 3292 | |
| | | | | |
| R3-CS-PS-7-c | White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps. | each | 3485 | |
| | | | | |
| R3-CS-PS-7-d | White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap. | each | 2919 | |
| | | | | |
| R3-CS-PS-7-e | White Vitreous China Angle back wash basin size 600x480 mm with single 15 mm C.P. brass pillar tap. | each | 3022 | |
| | | | | |
| R3-CS-PS-7-f | White Vitreous China Angle back wash basin size 400x400 mm with single 15 mm C.P. brass pillar tap. | each | 2834 | |
| | | | | |
| R3-CS-PS-7-g | White Vitreous China Flat back wash basin size 450x300 mm with single 15 mm C.P. brass pillar tap. | each | 2935 | |
| | | | | |
| R3-CS-PS-7-h | White Vitreous China Surgeon type wash basin of size 660x460 mm with a pair of 15 mm C.P. brass pillar taps with elbow operated levers. | each | 5650 | |
| | | | | |
| R3-CS-PS-7-i | White Vitreous China Surgeon type wash basin of size 660x460 mm with single 15 mm C.P. brass pillar taps with elbow operated levers ISI marked. | each | 4503 | |
| | | | | |
| R3-CS-PS-7-j | Stainless Steel AISI-304(18/8) Round basin 405x355 mm with single 15 mm C.P. brass pillar tap. | each | 4960 | |
| | | | | |
| R3-CS-PS-7-k | Stainless Steel AISI-304(18/8) Wash basin 530x345 mm with single 15 mm C.P. brass pillar tap. | each | 5148 | |
| R3-CS-PS-8 | Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings. | each | 276 | |

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|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|-----|
| R3-CS-PS-9 | Providing and fixing kitchen sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P. brass waste complete, including painting the fittings and brackets, cutting and making good the walls wherever required : | | | |
| R3-CS-PS-9-a | White glazed fire clay kitchen sink of size 600x450x250 mm. | each | 3978 | |
| R3-CS-PS-10 | Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required : | | | |
| R3-CS-PS-10-a | Kitchen sink with drain board | | | |
| R3-CS-PS-10-a-1 | 510x1040 mm bowl depth 250mm. | each | 14083 | *** |
| R3-CS-PS-10-a-2 | 510x1040 mm bowl depth 225mm | each | 11718 | *** |
| R3-CS-PS-10-a-3 | 510x1040 mm bowl depth 200mm | each | 11381 | |
| R3-CS-PS-10-a-4 | 510x1040 mm bowl depth 178mm. | each | 7129 | |
| R3-CS-PS-10-b | Kitchen sink without drain board | | | |
| R3-CS-PS-10-b-1 | 610x510 mm bowl depth 200 mm | each | 8553 | |
| R3-CS-PS-10-b-2 | 610x460 mm bowl depth 200 mm | each | 7860 | |
| R3-CS-PS-10-b-3 | 470x420 mm bowl depth 178 mm | each | 5844 | |
| R3-CS-PS-11 | Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete including painting of fittings and brackets, cutting and making good the wall wherever required : | | | |
| R3-CS-PS-11-a | Size 450x300x150mm | each | 3454 | |
| R3-CS-PS-11-b | Size 600x450x200mm | each | 4461 | |
| R3-CS-PS-12 | Providing and fixing draining board with C.I. brackets including painting of brackets, cutting and making good the walls wherever required : | | | |
| R3-CS-PS-12-a | White glazed fire clay draining board of size 600x450x25mm | each | 1640 | |
| R3-CS-PS-13 | Providing and fixing white vitreous china water closet squatting pan (Indian type) | | | |
| R3-CS-PS-13-a | Long pattern W.C. pan of size 580 mm | each | 3220 | |
| | | | | |
| R3-CS-PS-13-b | Orissa pattern W.C. pan of size 580x440 mm | each | 3174 | |
| R3-CS-PS-14 | Extra for using coloured W.C. pan instead of white W.C. pan | | | |
| R3-CS-PS-14-a | Orissa pattern W.C. pan 580x440 mm | each | 512 | |
| R3-CS-PS-15 | Providing and fixing white vitreous china pedestal type (European type/ wash down type) water closet pan. | each | 3346 | |
| R3-CS-PS-16 | Extra for using coloured pedestal type W.C pan (European type) with low level cistern of same colour instead of white vitreous china W.C pan and cistern. | each | 2063 | |
| R3-CS-PS-17 | Providing and fixing a pair of white vitreous china foot rests of standard pattern for squatting pan water closet: | | | |
| R3-CS-PS-17-a | 250x130x30 mm | pair | 292 | |
| R3-CS-PS-17-b | 250x125x25 mm | pair | 302 | |
| R3-CS-PS-18 | Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. | | | |



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| R3-CS-PS-18-a | 10 litre capacity - White | each | 1702 | |
| R3-CS-PS-18-b | 10 litre capacity - coloured | each | 1786 | |
| R3-CS-PS-19 | Providing and fixing controlled flush, low level cistern made of vitreous china with all fittings complete. | | | |
| R3-CS-PS-19-a | 10 litre (full flush) capacity-white | each | 2760 | |
| R3-CS-PS-19-b | 10 litre (full flush) capacity-coloured | each | 3432 | *** |
| R3-CS-PS-20 | Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete : | | | |
| R3-CS-PS-20-a | White solid plastic seat with lid | each | 644 | |
| R3-CS-PS-20-b | Black solid plastic seat with lid | each | 644 | |
| R3-CS-PS-20-c | Coloured (other than black & white) solid plastic seat with lid | each | 1161 | |
| R3-CS-PS-21 | Providing and fixing G.I. inlet connection for flush pipe connecting with W.C. pan. | each | 139 | |
| R3-CS-PS-22 | Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm or 340x410x265mm sizes respectively. | each | 2241 | |
| R3-CS-PS-23 | Providing and fixing white vitreous china squatting plate urinal with integral rim longitudinal flush pipe. | each | 3782 | |
| R3-CS-PS-24 | Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings : | | | |
| R3-CS-PS-24-a | Flat back wash basin of size 630x450mm. | each | 1515 | |
| R3-CS-PS-24-b | Flat back wash basin of size 550x400mm. | each | 1142 | |
| R3-CS-PS-24-c | Angle back wash basin of size 600x480mm. | each | 1245 | |
| R3-CS-PS-24-d | Angle back wash basin of size 400x400mm | each | 1057 | |
| R3-CS-PS-24-e | Flat back wash basin of size 450x300mm | each | 1158 | |
| R3-CS-PS-24-f | Surgeon type wash basin of size 660x460mm. | each | 2040 | |
| R3-CS-PS-25 | Providing and fixing kitchen sink including making all connections excluding cost of fittings. | | | |
| R3-CS-PS-25-a | White glazed fire clay sink of size 600x450x250mm. | each | 2618 | *** |
| R3-CS-PS-26 | Providing and fixing white vitreous china laboratory sink including making all connections excluding cost of fittings: | | | |
| R3-CS-PS-26-a | Size 450x300x150 mm. | each | 1635 | *** |
| R3-CS-PS-26-b | Size 600x450x200 mm | each | 2595 | *** |
| R3-CS-PS-27 | Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. | | | |
| R3-CS-PS-27-a | Semi rigid pipe | | | |
| R3-CS-PS-27-a-1 | 32 mm dia | each | 44 | |
| R3-CS-PS-27-a-2 | 40 mm dia | each | 73 | |
| R3-CS-PS-27-b | Flexible pipe | | | |

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| R3-CS-PS-27-b-1 | 32 mm dia | each | 96 | |
| R3-CS-PS-27-b-2 | 40 mm dia | each | 94 | |
| R3-CS-PS-28 | Providing and fixing 100 mm sand cast Iron grating for Nahani/Floor trap. | each | 34 | |
| R3-CS-PS-29 | Providing and fixing in position 25mm diameter mosquito proof coupling of approved municipal design. | each | 74 | |
| R3-CS-PS-30 | Providing and fixing 600x450 mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. | each | 1919 | |
| R3-CS-PS-31 | Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : | | | |
| | | | | |
| R3-CS-PS-31-a | Circular shape 450mm dia. | each | 2002 | |
| | | | | |
| R3-CS-PS-31-b | Rectangular shape 453x357mm | each | 2148 | |
| | | | | |
| R3-CS-PS-31-c | Oval shape 450x350mm (outer dimensions) | each | 2050 | |
| | | | | |
| R3-CS-PS-31-d | Rectangular shape 1500x450 mm | each | 2770 | |
| | | | | |
| | STAINLESS STEEL | | | |
| R3-CS-PS-32 | Providing and fixing stainless steel pipes AISI-304 including all fittings and accessories etc. complete as directed. | | | |
| R3-CS-PS-32-a | 15 mm internal dia. (2 mm thick) | Rmt | 539 | *** |
| R3-CS-PS-32-b | 20 mm internal dia. (2 mm thick) | Rmt | 650 | *** |
| R3-CS-PS-33 | Providing and fixing toilet paper holder : | | | |
| R3-CS-PS-33-a | C.P. brass | each | 1687 | |
| R3-CS-PS-33-b | Vitreous china | each | 1960 | |
| R3-CS-PS-34 | Providing and fixing soil, waste and vent pipes : | | | |
| | | | | |
| R3-CS-PS-34-a | 100 mm dia | | | |
| | | | | |
| R3-CS-PS-34-a-1 | Sand cast iron S&S pipe as per IS: 1729. | Rmt | 1232 | |
| | | | | |
| R3-CS-PS-34-a-2 | Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989. | Rmt | 1263 | |
| | | | | |
| R3-CS-PS-34-b | 75 mm diameter : | | | |
| | | | | |
| R3-CS-PS-34-b-1 | Sand cast iron S&S pipe as per IS: 1729. | Rmt | 1002 | |
| | | | | |
| R3-CS-PS-34-b-2 | Centrifugally cast (spun) iron socketed pipe as per IS: 3989 | Rmt | 992 | |
| R3-CS-PS-35 | Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 (1 cement : 2 fine sand) in S.C.I./ C.I. Pipes : | | | |
| | | | | |
| R3-CS-PS-35-a | 75 mm dia pipe | each | 128 | |
| | | | | |
| R3-CS-PS-35-b | 100 mm dia pipe | each | 151 | |

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|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|--|
| R3-CS-PS-36 | Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc. : | | | |
| R3-CS-PS-36-a | For 100 mm dia. Pipe | each | 265 | |
| R3-CS-PS-36-b | For 75 mm dia. Pipe | each | 269 | |
| R3-CS-PS-37 | Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. | | | |
| R3-CS-PS-37-a | 100 mm | | | |
| R3-CS-PS-37-a-1 | Sand cast iron S&S as per IS - 1729 | each | 510 | |
| R3-CS-PS-37-a-2 | Sand cast iron S&S as per IS - 3989 | each | 513 | |
| R3-CS-PS-37-b | 75 mm dia | | | |
| R3-CS-PS-37-b-1 | Sand cast iron S&S as per IS - 1729 | each | 462 | |
| R3-CS-PS-37-b-2 | Sand cast iron S&S as per IS- 3989 | each | 365 | |
| R3-CS-PS-38 | Providing and fixing plain bend of required degree. | | | |
| R3-CS-PS-38-a | 100 mm | | | |
| R3-CS-PS-38-a-1 | Sand cast iron S&S as per IS - 1729 | each | 398 | |
| R3-CS-PS-38-a-2 | Sand cast iron S&S as per IS : 3989 | each | 384 | |
| R3-CS-PS-38-b | 75 mm | | | |
| R3-CS-PS-38-b-1 | Sand cast iron S&S as per IS -1729 | each | 358 | |
| R3-CS-PS-38-b-2 | Sand cast iron S&S as per IS - 3989 | each | 358 | |
| R3-CS-PS-39 | Providing and fixing heel rest sanitary bend | | | |
| R3-CS-PS-39-a | 100 mm dia | | | |
| R3-CS-PS-39-a-1 | Sand cast iron S&S as per IS - 1729 | each | 515 | |
| R3-CS-PS-39-a-2 | Sand cast iron S&S as per IS - 3989 | each | 515 | |
| R3-CS-PS-39-b | 75 mm | | | |

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| R3-CS-PS-39-b-1 | Sand cast iron S&S as per IS - 1729 | each | 493 | |
| R3-CS-PS-39-b-2 | Sand cast iron S&S as per IS - 3989 | each | 493 | |
| R3-CS-PS-40 | Providing and fixing double equal junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete : | | | |
| R3-CS-PS-40-a | 100x100x100x100mm | | | |
| R3-CS-PS-40-a-1 | Sand cast iron S&S as per IS - 1729 | each | 1077 | |
| R3-CS-PS-40-a-2 | Sand cast iron S&S as per IS - 3989 | each | 1381 | |
| R3-CS-PS-40-b | 75x75x75x75 mm | | | |
| R3-CS-PS-40-b-1 | Sand cast iron S&S as per IS - 1729 | each | 968 | |
| R3-CS-PS-40-b-2 | Sand cast iron S&S as per IS - 3989 | each | 1119 | |
| R3-CS-PS-41 | Providing and fixing double equal plain junction of required degree. | | | |
| R3-CS-PS-41-a | 100x100x100x100 mm | | | |
| R3-CS-PS-41-a-1 | Sand cast iron S&S as per IS - 1729 | each | 912 | |
| R3-CS-PS-41-a-2 | Sand cast iron S&S as per IS - 3989 | each | 1242 | |
| R3-CS-PS-41-b | 75x75x75x75 mm | | | |
| R3-CS-PS-41-b-1 | Sand cast iron S&S as per IS - 1729 | each | 823 | |
| R3-CS-PS-41-b-2 | Sand cast iron S&S as per IS - 3989 | each | 895 | |
| R3-CS-PS-42 | Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. | | | |
| R3-CS-PS-42-a | 100x100x100 mm | | | |
| R3-CS-PS-42-a-1 | Sand cast iron S&S as per IS - 1729 | each | 825 | |
| R3-CS-PS-42-a-2 | Sand cast iron S&S as per IS - 3989 | each | 1173 | |
| R3-CS-PS-42-b | 75x75x75 mm | | | |



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| R3-CS-PS-42-b-1 | Sand cast iron S&S as per IS - 1729 | each | 750 | |
| R3-CS-PS-42-b-2 | Sand cast iron S&S as per IS - 3989 | each | 820 | |
| R3-CS-PS-43 | Providing and fixing single equal plain junction of required degree : | | | |
| R3-CS-PS-43-a | 100x100x100 mm | | | |
| R3-CS-PS-43-a-1 | Sand cast iron S&S as per IS - 1729 | each | 785 | |
| R3-CS-PS-43-a-2 | Sand cast iron S&S as per IS - 3989 | each | 1097 | |
| R3-CS-PS-43-b | 75x75x75 mm | | | |
| R3-CS-PS-43-b-1 | Sand cast iron S&S as per IS - 1729 | each | 653 | |
| R3-CS-PS-43-b-2 | Sand cast iron S&S as per IS - 3989 | each | 757 | |
| R3-CS-PS-44 | Providing and fixing double unequal junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete : | | | |
| R3-CS-PS-44-a | 100x100x75x75 mm | | | |
| R3-CS-PS-44-a-1 | Sand cast iron S&S as per IS - 1729 | each | 1116 | |
| R3-CS-PS-44-a-2 | Sand cast iron S&S as per IS - 3989 | each | 2378 | |
| R3-CS-PS-45 | Providing and fixing double unequal plain junction of required degree: | | | |
| R3-CS-PS-45-a | 100x100x75x75 mm | | | |
| R3-CS-PS-45-a-1 | Sand cast iron S&S as per IS - 1729 | each | 912 | ** |
| R3-CS-PS-45-a-2 | Sand cast iron S&S as per IS - 3989 | each | 2272 | *** |
| R3-CS-PS-46 | Providing and fixing single unequal junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete : | | | |
| R3-CS-PS-46-a | 100x100x75 mm | | | |
| R3-CS-PS-46-a-1 | Sand cast iron S&S as per IS - 1729 | each | 712 | ** |
| R3-CS-PS-46-a-2 | Sand cast iron S&S as per IS - 3989 | each | 1720 | *** |
| R3-CS-PS-47 | Providing and fixing single unequal plain junction of required degree : | | | |
| R3-CS-PS-47-a | 100x100x75 mm | | | |

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|-----------------|------------------------------------------------------------------------------|------|------|--|
| R3-CS-PS-47-a-1 | Sand cast iron S&S as per IS - 1729 | each | 480 | |
| R3-CS-PS-47-a-2 | Sand cast iron S&S as per IS - 3989 | each | 1621 | |
| R3-CS-PS-48 | Providing and fixing double equal plain invert branch of required degree | | | |
| R3-CS-PS-48-a | 100x100x100x100 mm | | | |
| R3-CS-PS-48-a-1 | Sand cast iron S&S as per IS - 1729 | each | 788 | |
| R3-CS-PS-48-a-2 | Sand cast iron S&S as per IS 3989 | each | 1089 | |
| R3-CS-PS-48-b | 75x75x75x75 mm | | | |
| R3-CS-PS-48-b-1 | Sand cast iron S&S as per IS - 1729 | each | 756 | |
| R3-CS-PS-48-b-2 | Sand cast iron S&S as per IS - 3989 | each | 916 | |
| R3-CS-PS-49 | Providing and fixing single equal plain invert branch of required degree: | | | |
| R3-CS-PS-49-a | 100x100x100 mm | | | |
| R3-CS-PS-49-a-1 | Sand cast iron S&S as per iron 1729 | each | 641 | |
| R3-CS-PS-49-a-2 | Sand cast iron S&S as per IS - 3989 | each | 926 | |
| R3-CS-PS-49-b | 75x75x75 mm | | | |
| R3-CS-PS-49-b-1 | Sand cast iron S&S as per IS - 1729 | each | 613 | |
| R3-CS-PS-49-b-2 | Sand cast iron S&S as per IS - 3989 | each | 1472 | |
| R3-CS-PS-50 | Providing and fixing double unequal invert branch of required degree : | | | |
| R3-CS-PS-50-a | 100x100x75x75 mm | | | |
| R3-CS-PS-50-a-1 | Sand cast iron S&S as per IS - 1729 | each | 821 | |
| R3-CS-PS-50-a-2 | Sand cast iron S&S as per IS - 3989 | each | 1400 | |
| R3-CS-PS-51 | Providing degree : and fixing single unequal plain invert branch of required | | | |
| R3-CS-PS-51-a | 100x100x75 mm | | | |

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| R3-CS-PS-51-a-1 | Sand cast iron S&S as per IS - 1729 | each | 725 | |
| R3-CS-PS-51-a-2 | Sand cast iron S&S as per IS - 3989 | each | 1036 | |
| R3-CS-PS-52 | Providing and fixing sand cast iron S&S off sets as per IS: 1729 | | | |
| R3-CS-PS-52-a | 76 mm off sets | | | |
| R3-CS-PS-52-a-1 | With 75 mm dia. pipe | each | 493 | |
| R3-CS-PS-52-a-2 | With 100 mm dia. pipe | each | 569 | |
| R3-CS-PS-52-b | 114 mm off sets | | | |
| R3-CS-PS-52-b-1 | With 75 mm dia. pipe | each | 513 | |
| R3-CS-PS-52-b-2 | With 100 mm dia. Pipe | each | 574 | |
| R3-CS-PS-52-c | 152 mm off sets | | | |
| R3-CS-PS-52-c-1 | With 75 mm dia. Pipe | each | 893 | |
| R3-CS-PS-52-c-2 | With 100 mm dia. Pipe | each | 984 | |
| R3-CS-PS-53 | Providing and fixing sand cast iron S&S off sets as per IS: 3989 | | | |
| R3-CS-PS-53-a | 75 mm off sets | | | |
| R3-CS-PS-53-a-1 | With 75 mm dia. pipe | each | 493 | |
| R3-CS-PS-53-b | 150 mm off sets | | | |
| R3-CS-PS-53-b-1 | With 75 mm dia. pipe | each | 624 | |
| R3-CS-PS-53-b-2 | With 100 mm dia. Pipe | each | 705 | |
| R3-CS-PS-54 | Providing and fixing door piece, insertion rubber washer 3mm thick, bolts & nuts complete : | | | |
| R3-CS-PS-54-a | 100mm | | | |
| R3-CS-PS-54-a-1 | Sand cast iron S&S as per IS - 1729 | each | 550 | |
| R3-CS-PS-54-a-2 | Sand cast iron S&S as per IS - 3989 | each | 199 | |
| R3-CS-PS-54-b | 75mm | | | |

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|-----------------|------------------------------------------------------------------------------------------------------------------|------|-------|--|
| R3-CS-PS-54-b-1 | Sand cast iron S&S as per IS - 1729 | each | 396 | |
| R3-CS-PS-54-b-2 | Sand cast iron S&S as per IS - 3989 | each | 140 | |
| R3-CS-PS-55 | Providing and fixing terminal guard: | | | |
| R3-CS-PS-55-a | 100mm | | | |
| R3-CS-PS-55-a-1 | Sand cast iron S&S as per IS - 1729 | each | 385 | |
| R3-CS-PS-55-a-2 | Sand cast iron S&S as per IS - 3989 | each | 473 | |
| R3-CS-PS-55-b | 75 mm | | | |
| R3-CS-PS-55-b-1 | Sand cast iron S&S as per IS - 1729 | each | 367 | |
| R3-CS-PS-55-b-2 | Sand cast iron S&S as per IS - 3989 | each | 410 | |
| R3-CS-PS-56 | Providing and fixing collar: | | | |
| R3-CS-PS-56-a | 100 mm | | | |
| R3-CS-PS-56-a-1 | Sand cast iron S&S as per IS - 1729 | each | 230 | |
| R3-CS-PS-56-a-2 | Sand cast iron S&S as per IS - 3989 | each | 396 | |
| R3-CS-PS-56-b | 75 mm | | | |
| R3-CS-PS-56-b-1 | Sand cast iron S&S as per IS - 1729 | each | 277 | |
| R3-CS-PS-56-b-2 | Sand cast iron S&S as per IS- 3989 | each | 367 | |
| R3-CS-PS-57 | Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter: | | | |
| R3-CS-PS-57-a | 100 mm | each | 443 | |
| R3-CS-PS-57-b | 75 mm | each | 372 | |
| R3-CS-PS-57-c | 50 mm | each | 295 | |
| R3-CS-PS-58 | Providing and fixing M.S. stays and clamps for sand cast iron/centrifugally cast (spun) iron pipes of diameter : | | | |
| R3-CS-PS-58-a | 100 mm | each | 43 | |
| R3-CS-PS-58-b | 75 mm | each | 78 | |
| R3-CS-PS-58-c | 50 mm | each | 42.00 | |

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|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|--|
| R3-CS-PS-59 | Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : | | | |
| R3-CS-PS-59-a | 100 mm inlet and 100 mm outlet | | | |
| R3-CS-PS-59-a-1 | Sand cast iron S&S as per IS: 3989. | each | 1817 | |
| R3-CS-PS-59-a-2 | Sand Cast Iron S&S as per IS: 1729. | each | 1350 | |
| R3-CS-PS-59-b | 100 mm inlet and 75 mm outlet | | | |
| R3-CS-PS-59-b-1 | Sand cast iron S&S as per IS - 3989 | each | 1693 | |
| R3-CS-PS-59-b-2 | Sand Cast Iron S&S as per IS- 1729. | each | 1350 | |
| R3-CS-PS-60 | Cutting chases in brick masonry walls for following diameter sand cast iron/ centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement : 3 coarse sand :6 graded stone aggregate 12.5 mm nominal size) including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 coarse sand) : | | | |
| R3-CS-PS-60-a | 100 mm dia. | Rmt | 531 | |
| R3-CS-PS-60-b | 75 mm dia. | Rmt | 381 | |
| R3-CS-PS-60-c | 50 mm dia. | Rmt | 249 | |
| R3-CS-PS-61 | Painting C.I. cistern with bitumastic or any other anti-corrosive paint inside and white paint over a coat of zinc chromate yellow primer (of approved quality) on the outside surface of the cistern, flush pipe, other fittings, etc. complete for new work. | each | 832 | |
| R3-CS-PS-62 | Re-painting C.I. cistern with bitumastic or any other anti-corrosive paint inside and white paint on the outside surface of the cistern, flush pipe, other fittings, etc. complete including polishing of wooden seat and lid and cleaning of W.C. pan with acid wherever necessary. | each | 482 | |
| R3-CS-PS-63 | Repainting C.I. cistern with synthetic enamel paint of approved colour, brand and manufacture on the outside surface of cistern, flush pipe, other fittings etc. complete. | each | 217 | |
| R3-CS-PS-64 | Painting sand cast iron/ centrifugally cast (spun) iron soil, waste vent pipes and fittings with two coats of synthetic enamel paint of any colour such as chocolate grey, or buff etc. over a coat of primer (of approved quality) for new work : | | | |
| R3-CS-PS-64-a | 100 mm diameter pipe | Rmt | 37 | |
| R3-CS-PS-64-b | 75 mm diameter pipe | Rmt | 28 | |
| R3-CS-PS-65 | Repainting sand cast iron/ centrifugally cast iron (spun) iron, soil, waste, vent pipes and fittings with one coat of synthetic enamel paint of any colour such as chocolate, grey or buff etc : | | | |



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| R3-CS-PS-65-a | 100 mm diameter pipe | Rmt | 29 | |
| | | | | |
| R3-CS-PS-65-b | 75 mm diameter pipe | Rmt | 22 | |
| R3-CS-PS-66 | Repainting bath tub of size 1700x730x430mm with enamel paint. | each | 597 | |
| R3-CS-PS-67 | Providing and fixing vitreous china dual purpose closet suitable for use as squatting pan or European type water closet (Anglo Indian W.C pan) with seat & lid fixed with C.P. brass hinges and rubber buffers, 10 litre low level flushing cistern with fitting and brackets, 40mm flush bend, 20mm over flow pipe, with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : | | | |
| | | | | |
| R3-CS-PS-67-a | White vitreous china dual purpose WC pan with white solid plastic seat and lid with white vitreous china flushing cistern and C.P. flush bend. | each | 8647 | |
| | | | | |
| R3-CS-PS-67-b | Waste coupling 31 mm dia of 79 mm length and 62mm breadth weighing not less than 45gms. | each | 173 | |
| | | | | |
| R3-CS-PS-67-c | Waste coupling 38 mm dia of 83 mm length and 77mm breadth, weighing not less than 60gms. | each | 250 | |
| R3-CS-PS-68 | Providing and fixing PTMT Bottle Trap for Wash basin and sink | | | |
| | | | | |
| R3-CS-PS-68-a | Bottle trap 31mm single piece moulded with height of 270mm, effective length of tail pipe 260mm from the centre of the waste coupling 77mm breadth with 25mm minimum water seal, weighing not less than 260gms. | each | 464 | |
| | | | | |
| R3-CS-PS-68-b | Bottle trap 38mm single piece moulded with height of 270mm, effective length of tail pipe 260mm from the centre of the waste coupling 77mm breadth with 25mm minimum water seal, weighing not less than 263gms. | each | 418 | |
| | | | | |
| R3-CS-PS-69 | Providing and fixing PTMT liquid soap container 109mm wide, 125mm high and 112mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour. weighing not less than 105 gms. | each | 334 | |
| R3-CS-PS-70 | Providing and fixing PTMT towel ring trapezoidal shape 215mm long, 200mm wide with a minimum distances of 37mm from wall face with concealed fittings arrangement of approved quality and colour. Weighing not less than 88 gms. | each | 265 | |
| R3-CS-PS-71 | Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour. | | | |
| | | | | |
| R3-CS-PS-71-a | 450MM long towel rail with total length of 495mm, 78mm wide and effective height of 88mm, weighing not less than 170gms. | each | 1982 | |
| R3-CS-PS-71-b | 600mm long towel rail with total length of 645mm, width 78mm and effective height of 88mm, weighing not less than 190gms. | each | 2028 | |
| R3-CS-PS-72 | Providing and fixing PTMT shelf 440 mm long, 124 mm width and 36 mm height of approved quality and colour. Weighing not less than 300 gms. | each | 2242 | |



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| R3-CS-PS-73 | Providing and fixing PTMT 15 mm Urinal spreader size 95x69x100 mm with 1/2" BSP thread and shapes. Weighing not less than 60 gms. | each | 211 | |
| R3-CS-PS-74 | Providing and fixing PTMT urinal cock of approved quality and colour. | | | |
| R3-CS-PS-74-a | 15 mm nominal bore, 80mm long. 42 mm high and 30mm wide with BSP female threads weighing not less than 48gms. | each | 259 | |
| R3-CS-PS-75 | Providing and fixing M.S. holder bat clamp of approved design to sand cast iron/ cast iron (spun) pipes comprising of M.S. flat brackets made of 50x5mm flat of specified shape, projecting 75mm outside the wall surface and fixed on wall with 4nos, 8mm dia expansion hold fasteners including drilling necessary holes in brick wall/ CC/ RCC surface and the cost of bolts etc. The pipes shall be fixed to the already fixed brackets with the help of 30mm x1.6mm galvanised M.S. flats of specified shape and of total length 420mm and shall be fixed with M.S. nuts, bolts, & washers of size 25x8mm, one bolts on each side of the pipe. | | | |
| R3-CS-PS-75-a | Total bracket length 580mm of approved shape and design (for single 100mm dia pipe). | each | 887 | |
| R3-CS-PS-75-b | Total bracket length 810mm of approved shape and design (for two 100mm dia pipes). | each | 906 | |
| R3-CS-PS-75-c | Total bracket length 1040mm of approved shape and design (for three 100mm dia pipes). | each | 923 | |
| R3-CS-PS-76 | Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/6 litre (adjustable to 4 litre/8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete. | each | 13906 | |
| R3-CS-PS-77 | Providing & fixing white vitreous china water less urinal of size 600 x 330 x 315 mm having antibacterial /germs free ceramic surface, fixed with cartridge having debris catcher and hygiene seal. | each | 7763 | *** |
| R3-CS-PS-78 | Providing and fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.. | each | 3670 | *** |
| | | | | |
| | Water Supply | | | |
| | PP- R PIPES | | | |
| R3-CS-PS-82 | Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes SDR 7.4, U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply, including all PP - R plain & brass threaded polypropylene random fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes testing of joints complete as per direction of Engineer in Charge. | | | |

| Internal work - Exposed on wall | | | | |
|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|--|
| R3-CS-PS-82-a | PN - 16 Pipe, 16 mm OD | Rmt | 233 | |
| R3-CS-PS-82-b | PN - 16 Pipe, 20 mm OD | Rmt | 253 | |
| R3-CS-PS-82-c | PN - 16 Pipe, 25 mm OD | Rmt | 315 | |
| R3-CS-PS-82-d | PN - 16 Pipe, 32 mm OD | Rmt | 425 | |
| R3-CS-PS-82-e | PN - 16 Pipe, 40 mm OD | Rmt | 617 | |
| R3-CS-PS-82-f | PN - 16 Pipe, 50 mm OD | Rmt | 824 | |
| R3-CS-PS-83 | Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes SDR 7.4, U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply, including all PP - R plain & brass threaded polypropylene random fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. | | | |
| Concealed work, including cutting chases and making good the walls etc., | | | | |
| R3-CS-PS-83-a | PN - 16 Pipe, 16 mm OD | Rmt | 380 | |
| R3-CS-PS-83-b | PN - 16 Pipe, 20 mm OD | Rmt | 423 | |
| R3-CS-PS-83-c | PN - 16 Pipe, 25 mm OD | Rmt | 487 | |
| R3-CS-PS-83-d | PN - 16 Pipe, 32 mm OD | Rmt | 602 | |
| R3-CS-PS-84 | Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes, U V stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply, including all PP - R plain & brass threaded polypropylene random fittings, including trenching, refilling & testing of joints complete as per direction of Engineer in Charge. | | | |
| External work | | | | |
| R3-CS-PS-84-a | PN - 16 Pipe, 16 mm OD (SDR - 7.4) | Rmt | 209 | |
| R3-CS-PS-84-b | PN - 16 Pipe, 20 mm OD (SDR - 7.4) | Rmt | 214 | |
| R3-CS-PS-84-c | PN - 16 Pipe, 25 mm OD (SDR - 7.4) | Rmt | 272 | |
| R3-CS-PS-84-d | PN - 16 Pipe, 32 mm OD (SDR - 7.4) | Rmt | 358 | |
| R3-CS-PS-84-e | PN - 16 Pipe, 40 mm OD (SDR - 7.4) | Rmt | 504 | |
| R3-CS-PS-84-f | PN - 16 Pipe, 50 mm OD (SDR - 7.4) | Rmt | 710 | |
| R3-CS-PS-84-g | PN - 16 Pipe, 63 mm OD (SDR - 7.4) | Rmt | 1096 | |
| R3-CS-PS-84-h | PN - 16 Pipe, 75 mm OD (SDR - 7.4) | Rmt | 1451 | |
| R3-CS-PS-84-i | PN - 16 Pipe, 90 mm OD (SDR - 7.4) | Rmt | 2166 | |
| R3-CS-PS-84-j | PN - 10 Pipe, 110 mm OD (SDR - 11) | Rmt | 2195 | |
| R3-CS-PS-84-k | PN - 10 Pipe, 160 mm OD (SDR - 11) | Rmt | 4591 | |
| C.P.V.C. PIPES | | | | |
| R3-CS-PS-85 | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. | | | |
| Internal work - Exposed on wall | | | | |
| R3-CS-PS-85-a | 15 mm nominal outer dia Pipes | Rmt | 217 | |
| R3-CS-PS-85-b | 20 mm nominal outer dia Pipes | Rmt | 265 | |
| R3-CS-PS-85-c | 25 mm nominal outer dia Pipes | Rmt | 313 | |
| R3-CS-PS-85-d | 32 mm nominal outer dia Pipes | Rmt | 417 | |
| R3-CS-PS-85-e | 40 mm nominal outer dia Pipes | Rmt | 555 | |
| R3-CS-PS-85-f | 50 mm nominal outer dia Pipes | Rmt | 764 | |



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| R3-CS-PS-86 | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. | | | |
| | Concealed work, including cutting chases and making good the walls etc. | | | |
| R3-CS-PS-86-a | 15 mm nominal outer dia Pipes | Rmt | 375 | |
| R3-CS-PS-86-b | 20 mm nominal outer dia Pipes | Rmt | 420 | |
| R3-CS-PS-86-c | 25 mm nominal outer dia Pipes | Rmt | 484 | |
| R3-CS-PS-86-d | 32 mm nominal outer dia Pipes | Rmt | 591 | |
| R3-CS-PS-87 | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. | | | |
| | External work | | | |
| R3-CS-PS-87-a | 15 mm nominal outer dia Pipes | Rmt | 178 | |
| R3-CS-PS-87-b | 20 mm nominal outer dia Pipes | Rmt | 211 | |
| R3-CS-PS-87-c | 25 mm nominal outer dia Pipes | Rmt | 270 | |
| R3-CS-PS-87-d | 32 mm nominal outer dia Pipes | Rmt | 349 | |
| R3-CS-PS-87-e | 40 mm nominal outer dia Pipes | Rmt | 441 | |
| R3-CS-PS-87-f | 50 mm nominal outer dia Pipes | Rmt | 651 | |
| R3-CS-PS-87-g | 62.50 mm nominal inner dia Pipes | Rmt | 1038 | |
| R3-CS-PS-87-h | 75 mm nominal inner dia Pipes | Rmt | 1316 | |
| R3-CS-PS-87-i | 100 mm nominal inner dia Pipes | Rmt | 1854 | |
| R3-CS-PS-87-j | 150 mm nominal inner dia Pipes | Rmt | 3361 | |
| | G.I.(Galvanised Iron) | | | |
| R3-CS-PS-88 | Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. | | | |
| | Internal work - Exposed on wall | | | |
| R3-CS-PS-88-a | 15 mm dia nominal bore | Rmt | 273 | |
| R3-CS-PS-88-b | 20 mm dia nominal bore | Rmt | 322 | |
| R3-CS-PS-88-c | 25 mm dia nominal bore | Rmt | 393 | |
| R3-CS-PS-88-d | 32 mm dia nominal bore | Rmt | 478 | |
| R3-CS-PS-88-e | 40 mm dia nominal bore | Rmt | 581 | |
| R3-CS-PS-88-f | 50 mm dia nominal bore | Rmt | 751 | |
| | Concealed work, including cutting chases and making good the | | | |
| R3-CS-PS-89 | Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall : | | | |
| R3-CS-PS-89-a | 15 mm dia nominal bore | Rmt | 433 | |
| R3-CS-PS-89-b | 20 mm dia nominal bore | Rmt | 467 | |
| R3-CS-PS-90 | Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. | | | |
| | External work | | | |
| R3-CS-PS-90-a | 15 mm dia nominal bore | Rmt | 234 | |




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| R3-CS-PS-90-b | 20 mm dia nominal bore | Rmt | 264 | |
| R3-CS-PS-90-c | 25 mm dia nominal bore | Rmt | 325 | |
| R3-CS-PS-90-d | 32 mm dia nominal bore | Rmt | 379 | |
| R3-CS-PS-90-e | 40 mm dia nominal bore | Rmt | 430 | |
| R3-CS-PS-90-f | 50 mm dia nominal bore | Rmt | 531 | |
| R3-CS-PS-90-g | 65 mm dia nominal bore | Rmt | 667 | |
| R3-CS-PS-90-h | 80 mm dia nominal bore | Rmt | 806 | |
| R3-CS-PS-91 | Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete : | | | |
| R3-CS-PS-91-a | 25 to 40 mm nominal bore | each | 662 | |
| R3-CS-PS-91-b | 50 to 80 mm nominal bore | each | 1155 | |
| | | | | |
| R3-CS-PS-92 | Fixing water meter and stop cock in G.I. pipe line including cutting and threading the pipe and making long screws etc. complete (cost of water meter and stop cock to be paid separately). | each | 611 | |
| | | | | |
| | BRASS FITTINGS | | | |
| R3-CS-PS-93 | Providing and fixing brass bib cock of approved quality : | | | |
| R3-CS-PS-93-a | 15 mm nominal bore | each | 358 | |
| R3-CS-PS-93-b | 20 mm nominal bore | each | 513 | |
| R3-CS-PS-94 | Providing and fixing brass stop cock of approved quality : | | | |
| R3-CS-PS-94-a | 15 mm nominal bore | each | 358 | |
| R3-CS-PS-94-b | 20 mm nominal bore | each | 514 | |
| R3-CS-PS-95 | Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : | | | |
| R3-CS-PS-95-a | 25 mm nominal bore | each | 766 | |
| R3-CS-PS-95-b | 32 mm nominal bore. | each | 1344 | |
| R3-CS-PS-95-c | 40 mm nominal bore | each | 1691 | |
| R3-CS-PS-95-d | 50 mm nominal bore | each | 2268 | |
| R3-CS-PS-95-e | 65 mm nominal bore | each | 3996 | |
| R3-CS-PS-95-f | 80 mm nominal bore | each | 12108 | |
| R3-CS-PS-96 | Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : | | | |
| R3-CS-PS-96-a | 15 mm nominal bore | each | 492 | |
| R3-CS-PS-96-b | 20 mm nominal bore | each | 520 | |
| R3-CS-PS-96-c | 25 mm nominal bore | each | 550 | |
| R3-CS-PS-97 | Providing and fixing gun metal non- return valve of approved quality (screwed end) : | | | |
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| R3-CS-PS-97-a | 25 mm nominal bore | | Refer HE-7- 19 | |
| R3-CS-PS-97-a-1 | Horizontal | each | | |
| R3-CS-PS-97-a-2 | Vertical | each | | |
| R3-CS-PS-97-b | 32 mm nominal bore | | | |
| R3-CS-PS-97-b-1 | Horizontal | each | | |
| R3-CS-PS-97-b-2 | Vertical | each | | |
| R3-CS-PS-97-c | 40 mm nominal bore | | | |
| R3-CS-PS-97-c-1 | Horizontal | each | | |
| R3-CS-PS-97-c-2 | Vertical | each | | |
| R3-CS-PS-97-d | 50 mm nominal bore | | | |
| R3-CS-PS-97-d-1 | Horizontal | each | | |
| R3-CS-PS-97-d-2 | Vertical | each | | |
| R3-CS-PS-97-e | 65 mm nominal bore | | | |
| R3-CS-PS-97-e-1 | Horizontal | each | | |
| R3-CS-PS-97-e-2 | Vertical | each | | |
| R3-CS-PS-97-f | 80 mm nominal bore | | | |
| R3-CS-PS-97-f-1 | Horizontal | each | | |
| R3-CS-PS-97-f-2 | Vertical | each | | |
| R3-CS-PS-98 | Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main : | | Refer HE-7- 24 | |
| R3-CS-PS-98-a | 15 mm nominal bore | each | | |
| R3-CS-PS-98-b | 20 mm nominal bore | each | | |
| R3-CS-PS-98-c | 25 mm nominal bore | each | | |
| R3-CS-PS-98-d | upto 50mm | | | |
| | UPVC | | | |
| R3-CS-PS-99 | Providing and fixing uPVC connection pipe with brass unions : | | | |
| R3-CS-PS-99-a | 30 cm length | | | |
| R3-CS-PS-99-a-1 | 15 mm nominal bore | each | 85 | |
| R3-CS-PS-99-a-2 | 20 mm nominal bore | each | 110 | |
| R3-CS-PS-99-b | 45 cm length | | | |
| R3-CS-PS-99-b-1 | 15 mm nominal bore | each | 98 | |
| R3-CS-PS-99-b-2 | 20 mm nominal bore | each | 128 | |
| R3-CS-PS-100 | Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet : | | | |
| R3-CS-PS-100-a | 100 mm diameter | each | 564 | |
| R3-CS-PS-100-b | 150 mm diameter | each | 1055 | |
| | | | | |
| | | | | |
|  | C.I/ DUCTILE IRON PIPES & SPECIALS | | | |

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| R3-CS-PS-101 | Laying in position centrifugally cast (spun) iron S&S or flanged pipes and S&S C.I. standard specials such as tees, bends, of Class LA (excluding cost of pipe and specials). | | | |
| R3-CS-PS-101-a | 80 mm. | R.M | Refer HE-1-2 | |
| R3-CS-PS-101-b | 100 mm. | R.M | | |
| R3-CS-PS-101-c | 150 mm. | R.M | | |
| R3-CS-PS-101-d | 200 mm. | R.M | | |
| R3-CS-PS-101-e | 250 mm. | R.M | | |
| R3-CS-PS-101-f | 300 mm. | R.M | | |
| R3-CS-PS-102 | Providing and laying S&S C.I. standard specials such as tees, bends, collars, tapers, caps etc. (Heavy class) : | | | |
| R3-CS-PS-102-a | Up to 300 mm dia | Kg | Refer HE-1-12 | |
| R3-CS-PS-103 | Providing and laying S&S C.I. standard specials such as tees, bends, collars, tapers, caps etc. (Heavy class) : | | | |
| R3-CS-PS-103-a | Over 300 mm dia | Kg | | |
| R3-CS-PS-104 | Providing and laying flanged C.I. standard specials such as tees, bends, collars, tapers, caps etc., suitable for flanged jointing as per IS : 1538 : | | | |
| R3-CS-PS-104-a | Up to 300 mm dia | Kg | Refer HE-1-12 | |
| R3-CS-PS-104-b | Over 300 mm dia | Kg | | |
| R3-CS-PS-105 | Providing and laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 : | | | |
| R3-CS-PS-105-a | 100 mm dia pipe | Rmt | Refer HE-1-1 | |
| R3-CS-PS-105-b | 125 mm dia pipe | Rmt | | |
| R3-CS-PS-105-c | 150 mm dia pipe | Rmt | | |
| R3-CS-PS-105-d | 200 mm dia pipe | Rmt | | |
| R3-CS-PS-105-e | 250 mm dia pipe | Rmt | | |
| R3-CS-PS-105-f | 300 mm dia pipe | Rmt | | |
| R3-CS-PS-106 | Providing lead caulked joints to spun iron or C.I. pipes and specials, including caulking testing of joints but excluding the cost of pig lead : | | | |
| R3-CS-PS-106-a | 100 mm dia pipe | each | Refer HE-1-15 | |
| R3-CS-PS-106-b | 125 mm dia pipe | each | | |
| R3-CS-PS-106-c | 150 mm dia pipe | each | | |
| R3-CS-PS-106-d | 200 mm dia pipe | each | | |
| R3-CS-PS-106-e | 250 mm dia pipe | each | | |
| R3-CS-PS-106-f | 300 mm dia pipe | each | | |



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| R3-CS-PS-107 | Supplying pig lead at site of work. | quintal | 17,825 | |
| R3-CS-PS-108 | Providing flanged joints C.I./D.I. pipes and specials, including testing of joints : | | | |
| R3-CS-PS-108-a | 80 mm diameter pipe | each | Refer HE-1- 17 | |
| R3-CS-PS-108-b | 100 mm diameter pipe | each | | |
| R3-CS-PS-108-c | 150 mm diameter pipe | each | | |
| R3-CS-PS-108-d | 200 mm diameter pipe | each | | |
| R3-CS-PS-108-e | 250 mm diameter pipe | each | | |
| R3-CS-PS-108-f | 300 mm diameter pipe | each | | |
| | C.I. SLUICE VALVES/ FIRE HYDRANTS & FIXTURES | | | |
| R3-CS-PS-109 | Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) : | | | |
| R3-CS-PS-109-a | 100 mm diameter | | | |
| R3-CS-PS-109-a-1 | Class I | each | 8,074 | |
| R3-CS-PS-109-a-2 | Class II | each | 18,995 | |
| R3-CS-PS-109-b | 125 mm diameter | | | |
| R3-CS-PS-109-b-1 | Class I | each | 9,778 | |
| R3-CS-PS-109-b-2 | Class II | each | 31,337 | |
| R3-CS-PS-109-c | 150 mm diameter | | | |
| R3-CS-PS-109-c-1 | Class I | each | 11,360 | |
| R3-CS-PS-109-c-2 | Class II | each | 28,851 | |
| R3-CS-PS-109-d | 200 mm diameter | | | |
| R3-CS-PS-109-d-1 | Class I | each | 17,414 | |
| R3-CS-PS-109-d-2 | Class II | each | 46,731 | |
| R3-CS-PS-109-e | 250 mm diameter | | | |
| R3-CS-PS-109-e-1 | Class I | each | 28,331 | |
| R3-CS-PS-109-e-2 | Class II | each | 68,569 | |
| R3-CS-PS-109-f | 300 mm diameter | | | |
| R3-CS-PS-109-f-1 | Class I | each | 31,653 | |
| R3-CS-PS-109-f-2 | Class II | each | 87,748 | |



Plumbing and Sanitation

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| R3-CS-PS-110 | Constructing masonry Chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (1 cement :4 coarse sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), i/c necessary excavation, foundation concrete 1:4:8 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick, finished with a floating coat of neat cement complete as per standard design : | | | |
| R3-CS-PS-110-a | With common burnt clay F.P.S.(non modular) bricks of class designation 3.5 | | | |
| | | each | 1,882 | |
| R3-CS-PS-111 | Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) , i/c necessary excavation, foundation concrete 1:4:8 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design : | | | |
| R3-CS-PS-111-a | With common burnt clay F.P.S.(non modular) bricks of class designation 3.5 | each | 10,986 | |
| R3-CS-PS-112 | Constructing masonry Chamber 90x90x100 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) , i/c necessary excavation, foundation concrete 1:4:8 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design : | | | |
| R3-CS-PS-112-a | With common burnt clay F.P.S.(non modular) bricks of class designation 3.5 | each | 19,238 | |
| R3-CS-PS-113 | Constructing masonry Chamber 120x120x100 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) , i/c necessary excavation, foundation concrete 1:4:8 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design : | | | |
| R3-CS-PS-113-a | With common burnt clay F.P.S.(non modular) bricks of class designation 3.5 | each | 26,366 | |



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| R3-CS-PS-114 | Constructing masonry Chamber 60x60x75 cm, inside in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for fire hydrants, with C.I. surface box 350x350 mm top and 165 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) , i/c necessary excavation, foundation concrete 1:4:8 (1 cement : 5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design : | | | |
| R3-CS-PS-114-a | With common burnt clay F.P.S.(non modular) bricks of class designation 3.5 | each | 10,490 | |
| R3-CS-PS-115 | Constructing masonry Chamber 60x45x50 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for water meter complete with C.I. double flap surface box 400x200x200 mm (inside) with locking arrangement and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) , i/c necessary excavation, foundation concrete 1:4:8 (1 cement : 5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design : | | | |
| R3-CS-PS-115-a | With common burnt clay F.P.S.(non modular) bricks of class designation 3.5 | each | 9,377 | |
| R3-CS-PS-116 | Painting G.I. pipes and fittings with synthetic enamel white paint with two coats over a ready mixed priming coat both of approved quality for new work : | | | |
| R3-CS-PS-116-a | 15 mm diameter pipe | Rmt | 9 | |
| R3-CS-PS-116-b | 20 mm diameter pipe | Rmt | 10 | |
| R3-CS-PS-116-c | 25 mm diameter pipe | Rmt | 14 | |
| R3-CS-PS-116-d | 32 mm diameter pipe | Rmt | 16 | |
| R3-CS-PS-116-e | 40 mm diameter pipe | Rmt | 19 | |
| R3-CS-PS-116-f | 50 mm diameter pipe | Rmt | 23 | |
| R3-CS-PS-117 | Repainting G.I. pipes and fittings with synthetic enamel white paint with one coat of approved quality : | | | |
| R3-CS-PS-117-a | 15 mm diameter pipe | Rmt | 8 | |
| R3-CS-PS-117-b | 20 mm diameter pipe | Rmt | 9 | |
| R3-CS-PS-117-c | 25 mm diameter pipe | Rmt | 11 | |
| R3-CS-PS-117-d | 32 mm diameter pipe | Rmt | 13 | |
| R3-CS-PS-117-e | 40 mm diameter pipe | Rmt | 15 | |
| R3-CS-PS-117-f | 50 mm diameter pipe | Rmt | 18 | |
| R3-CS-PS-118 | Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality : | | | |
| R3-CS-PS-118-a | 15 mm diameter pipe | Rmt | 6 | |
| R3-CS-PS-118-b | 20 mm diameter pipe | Rmt | 7 | |
| R3-CS-PS-118-c | 25 mm diameter pipe | Rmt | 9 | |
| R3-CS-PS-118-d | 32 mm diameter pipe | Rmt | 10 | |
| R3-CS-PS-118-e | 40 mm diameter pipe | Rmt | 12 | |



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| R3-CS-PS-118-f | 50 mm diameter pipe | Rmt | 14 | |
| R3-CS-PS-118-g | 65 mm diameter pipe | Rmt | 17 | |
| R3-CS-PS-118-h | 80 mm diameter pipe | Rmt | 19 | |
| R3-CS-PS-119 | Providing and filling sand of grading zone V or coarser grade, allround the G.I. pipes in external work : | | | |
| | | | | |
| R3-CS-PS-119-a | 15 mm diameter pipe | Rmt | 237 | |
| R3-CS-PS-119-b | 20 mm diameter pipe | Rmt | 240 | |
| R3-CS-PS-119-c | 25 mm diameter pipe | Rmt | 246 | |
| R3-CS-PS-119-d | 32 mm diameter pipe | Rmt | 253 | |
| R3-CS-PS-119-e | 40 mm diameter pipe | Rmt | 256 | |
| R3-CS-PS-119-f | 50 mm diameter pipe | Rmt | 266 | |
| R3-CS-PS-119-g | 65 mm diameter pipe | Rmt | 419 | |
| R3-CS-PS-119-h | 80 mm diameter pipe | Rmt | 432 | |
| R3-CS-PS-119-i | 100 mm diameter pipe | Rmt | 457 | |
| R3-CS-PS-119-j | 150 mm diameter pipe | Rmt | 681 | |
| R3-CS-PS-120 | Boring with 100 mm diameter casing pipe for hand pump / tubewell, in all soils except ordinary hard rocks requiring blasting, including removing the casing pipe after the hand pump / tube well is lowered and tested : | | | |
| | | | | |
| R3-CS-PS-120-a | Up to 6 metres depth | Rmt | 596 | |
| R3-CS-PS-120-b | Beyond 6 m and up to 12 m depth | Rmt | 707 | |
| R3-CS-PS-120-c | Beyond 12 m and up to 18 m depth | Rmt | 822 | |
| R3-CS-PS-121 | Providing and placing in position filters of 40 mm diameter G.I. Pipe with brass strainer of approved quality. | Rmt | 1175 | |
| R3-CS-PS-122 | Providing and fixing to filter and lowering to proper levels 40 mm G.I. pipe for tube well including cleaning and priming the tube well. | Rmt | 378 | |
| R3-CS-PS-123 | Providing and placing in position hand pump of approved quality for 40 mm diameter G.I. pipe complete with all accessories. | each | 1415 | |
| R3-CS-PS-124 | Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) : | | | |
| | | | | |
| R3-CS-PS-124-a | 15 mm nominal bore | each | HE-7-5 | |
| R3-CS-PS-124-b | 20 mm nominal bore | each | | |
| R3-CS-PS-124-c | 25 mm nominal bore | each | | |
| R3-CS-PS-124-d | 32 mm nominal bore | each | | |
| R3-CS-PS-124-e | 40 mm nominal bore | each | | |
| R3-CS-PS-124-f | 50 mm nominal bore | each | | |
| R3-CS-PS-124-g | 65 mm nominal bore | each | | |
| R3-CS-PS-124-h | 80 mm nominal bore | each | | |
| R3-CS-PS-125 | Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required : | | | |
| | | | | |
| R3-CS-PS-125-a | 15 mm nominal bore | each | 629 | |
| R3-CS-PS-125-b | 20 mm nominal bore | each | 644 | |
| R3-CS-PS-125-c | 25 mm nominal bore | each | 665 | |
| R3-CS-PS-125-d | 32 mm nominal bore | each | 704 | |



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| R3-CS-PS-125-e | 40 mm nominal bore | each | 730 | |
| R3-CS-PS-125-f | 50 mm nominal bore | each | 943 | |
| R3-CS-PS-125-g | 65 mm nominal bore | each | 1212 | |
| R3-CS-PS-125-h | 80 mm nominal bore | each | 1371 | |
| R3-CS-PS-126 | Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. | per litre | 6 | |
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| | | | | |
| | C.P. BRASS FITTINGS | | | |
| R3-CS-PS-127 | Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : | | | |
| R3-CS-PS-127-a | 15 mm nominal bore | each | 854 | |
| R3-CS-PS-128 | Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. | | | |
| R3-CS-PS-128-a | 15 mm nominal bore | each | 1017 | |
| R3-CS-PS-129 | Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. | | | |
| R3-CS-PS-129-a | 15 mm nominal bore | each | 1088 | |
| R3-CS-PS-130 | Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. | | | |
| R3-CS-PS-130-a | 15 mm nominal bore | each | 1480 | |
| R3-CS-PS-131 | Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore | | | |
| R3-CS-PS-131-a | 15mm nominal bore | each | 1020 | |
| | PTMT FITTINGS Polytetramethylene Terephthalate (THERMOPLASTIC) | | | |
| R3-CS-PS-132 | Providing and fixing PTMT bib cock of approved quality and colour. | | | |
| R3-CS-PS-132-a | 15mm nominal bore, 86 mm long, weighing not less than 88 gms | each | 123 | ** |
| R3-CS-PS-132-b | 15 mm nominal bore, 122mm long, weighing not less than 99 gms | each | 132 | ** |
| R3-CS-PS-132-c | 15 mm nominal bore, 165 mm long, weighing not less than 110 gms | each | 137 | ** |
| R3-CS-PS-132-d | 15mm nominal bore, 90 mm long, weighing not less than 93 gms | each | 132 | ** |
| R3-CS-PS-133 | Providing and fixing PTMT stop cock of approved quality and colour. | | | |
| R3-CS-PS-133-a | 15 mm nominal bore, 86 mm long, weighing not less than 88 gms | each | 301 | ** |
| R3-CS-PS-133-b | 20 mm nominal bore, 89 mm long, weighing not less than 88 gms | each | 537 | ** |
| R3-CS-PS-133-c | Concealed stop cock, 15 mm nominal bore, 108 mm long, weighing not less than 108 gms | each | 128 | ** |
| R3-CS-PS-134 | Providing and fixing PTMT pillar cock of approved quality and colour . | | | |
| R3-CS-PS-134-a | 15 mm nominal bore, 107 mm long, weighing not less than 110 gms | each | 157 | ** |
| R3-CS-PS-134-b | 15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms | each | 174 | ** |
| R3-CS-PS-135 | Providing and fixing PTMT, push cock of approved quality and colour. | | | |
| R3-CS-PS-135-a | 15 mm nominal bore, 98 mm long, weighing not less than 75 gms | each | 125 | ** |
| R3-CS-PS-135-b | 15 mm nominal bore, 80 mm long, weighing not less than 46 gms | each | 292 | ** |



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| R3-CS-PS-136 | Providing and fixing PTMT grating of approved quality and colour. | | | |
| R3-CS-PS-136-a | Circular type | | | |
| R3-CS-PS-136-a-1 | 100 mm nominal dia | each | 22 | ** |
| R3-CS-PS-136-a-2 | 125 mm nominal dia with 25 mm waste hole | each | 82 | ** |
| R3-CS-PS-136-c | 150 mm nominal size square 100 mm diameter of the inner hinged round grating | each | 112 | ** |
| | AIR VALVE & WATER METER (BULK TYPE) | | | |
| R3-CS-PS-137 | Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if required will be paid separately) : | | | |
| R3-CS-PS-137-a | 50 mm dia | each | 12,635 .00 | |
| R3-CS-PS-137-b | 80 mm dia | each | 18,040 .00 | |
| R3-CS-PS-137-c | 100 mm dia | each | 22,128 .00 | |
| R3-CS-PS-138 | Providing and fixing enclosed type water meter (bulk type) conforming to IS : 2373 and tested by Municipal Board complete with bolts, nuts, rubber insertions etc. (The tail pieces if required will be paid separately) : | | | |
| R3-CS-PS-138-a | 80 mm dia nominal bore | each | 23948 | |
| R3-CS-PS-138-b | 100 mm dia nominal bore | each | 29900 | |
| R3-CS-PS-138-c | 150 mm dia nominal bore | each | 45409 | |
| R3-CS-PS-138-d | 200 mm dia nominal bore | each | 58074 | |
| R3-CS-PS-139 | Providing and fixing C.I. dirt box strainer for bulk type water meter with nuts, bolts, rubber insertions etc. complete conforming to IS : 2373 : | | | |
| R3-CS-PS-139-a | 80 mm dia | each | 8187 | |
| R3-CS-PS-139-b | 100 mm dia | each | 12878 | |
| R3-CS-PS-139-c | 150mm dia | each | 17708 | |
| R3-CS-PS-139-d | 200 mm dia | each | 23010 | |
| R3-CS-PS-140 | Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball. | | | |
| R3-CS-PS-140-a | 15 mm nominal bore, 105 mm long, weighing not less than 138 gms | each | 397 | |
| R3-CS-PS-140-b | 20 mm nominal bore, 120 mm long, weighing not less than 198 gms | each | 754 | |
| R3-CS-PS-140-c | 25 mm nominal bore, 152mm long, weighing not less than 440 gms | each | 1124 | |
| R3-CS-PS-140-d | 40 mm nominal bore, 206mm long, weighing not less than 690 gms | each | 1074 | |
| R3-CS-PS-140-e | 50 mm nominal bore, 242mm long, weighing not less than 1240 gms | each | 1556 | |
| R3-CS-PS-141 | Providing and fixing PTMT angle stop cock 15 mm nominal bore, weighing not less than 85 gms | each | 187 | |
| R3-CS-PS-142 | Providing and fixing PTMT swivelling shower, 15 mm nominal bore, weighing not less than 40 gms | each | 131 | |
| R3-CS-PS-143 | Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms. | each | 174 | |
| R3-CS-PS-144 | Providing and laying S&S C.I. Standard specials such as tees, bends, collars tapers and caps etc, suitable for flanged jointing as per IS : 1538 : | | | |

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| R3-CS-PS-144-a | Up to 300 mm dia | quintal | 8167 | |
| R3-CS-PS-144-b | Above 300 mm dia | quintal | 9870 | |
| R3-CS-PS-145 | Providing and laying S&S C.I. Standard specials suitable for mechanical jointing as per IS : 13382 : | | | |
| R3-CS-PS-145-a | Up to 300 mm dia | quintal | 9190 | |
| R3-CS-PS-145-b | Above 300 mm dia | quintal | 10047 | |
| R3-CS-PS-146 | Providing and laying D.I. specials of class K-12 suitable for push-on jointing as per IS : 9523 : | | | |
| R3-CS-PS-146-a | Up to 600 mm dia | quintal | 15290 | |
| R3-CS-PS-146-b | Above 600 mm dia | quintal | 19297 | |
| R3-CS-PS-147 | Providing and laying D.I. Specials of Class K - 12 suitable for mechanical jointing as per IS : 9523 : | | | |
| R3-CS-PS-147-a | Up to 600 mm dia | quintal | 13133 | |
| R3-CS-PS-147-b | Above 600 mm dia | quintal | 21762 | |
| R3-CS-PS-148 | Providing push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and the cost of rubber gasket : | | | |
| R3-CS-PS-148-a | 100 mm dia pipes | joint | Refer HE-1-8 | |
| R3-CS-PS-148-b | 200 mm dia pipes | joint | | |
| R3-CS-PS-148-c | 250 mm dia pipes | joint | | |
| R3-CS-PS-148-d | 300 mm dia pipes | joint | | |
| R3-CS-PS-149 | Providing and laying Double Flanged (screwed / welded) Centrifugally (Spun) Cast Iron, Class B (IS : 1536) : | | | |
| R3-CS-PS-149-a | 100 mm dia C.I. Double Flanged Pipe | Rmt | 2296 | |
| R3-CS-PS-149-b | 150 mm dia C.I. Double Flanged Pipe | Rmt | 2351 | |
| R3-CS-PS-149-c | 200 mm dia C.I. Double Flanged Pipe | Rmt | 2468 | |
| R3-CS-PS-149-d | 250 mm dia C.I. Double Flanged Pipe | Rmt | 2516 | |
| R3-CS-PS-149-e | 300 mm dia C.I. Double Flanged Pipe | Rmt | 2698 | |
| R3-CS-PS-150 | Providing and laying S&S Ductile Iron Pipes conforming to IS : 8329 : | | | |
| R3-CS-PS-150-a | 100 mm dia Ductile Iron Class K-7 pipes | Rmt | Refer HE-1-4 | |
| R3-CS-PS-150-b | 150 mm dia Ductile Iron Class K-7 pipes | Rmt | | |
| R3-CS-PS-150-c | 200 mm dia Ductile Iron Class K-7 pipes | Rmt | | |
| R3-CS-PS-150-d | 250 mm dia Ductile Iron Class K-7 pipes | Rmt | | |
| R3-CS-PS-150-e | 300 mm dia Ductile Iron Class K-7 pipes | Rmt | | |
| R3-CS-PS-150-o | 100 mm dia Ductile Iron Class K-9 pipes | Rmt | | |
| R3-CS-PS-150-p | 150 mm dia Ductile Iron Class K-9 pipes | Rmt | | |
| R3-CS-PS-150-q | 200 mm dia Ductile Iron Class K-9 pipes | Rmt | | |
| R3-CS-PS-150-r | 250 mm dia Ductile Iron Class K-9 pipes | Rmt | | |
| R3-CS-PS-150-s | 300 mm dia Ductile Iron Class K-9 pipes | Rmt | | |
| R3-CS-PS-151 | Providing and laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K - 9 conforming to IS : 8329 : | | | |
| R3-CS-PS-151-a | 100 mm dia Ductile Iron Double Flanged | Rmt | Refer HE-1-6 | |
| R3-CS-PS-151-b | 150 mm dia Ductile Iron Double Flanged | Rmt | | |
| R3-CS-PS-151-c | 200 mm dia Ductile Iron Double Flanged | Rmt | | |
| R3-CS-PS-151-d | 250 mm dia Ductile Iron Double Flanged | Rmt | | |
| R3-CS-PS-151-e | 300 mm dia Ductile Iron Double Flanged | Rmt | | |

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| R3-CS-PS-152 | Providing and fixing unplasticised P.V.C. connection pipe with PTMT | | | |
| | Nuts, collar and bush of approved quality and colour. | | | |
| R3-CS-PS-152-a | 15 mm nominal bore with 30cm length | each | 152 | |
| R3-CS-PS-152-b | 15 mm nominal bore with 45 cm length | each | 183 | |
| R3-CS-PS-153 | Providing and fixing PTMT extension nipple for water tank pipe, fittings | | | |
| | of approved quality and colour. | | | |
| | | | | |
| R3-CS-PS-153-a | 15 mm nominal bore, weighing not less than 32 gms | each | 49 | |
| R3-CS-PS-153-b | 20mm nominal bore, weighing not less than 40 gms | each | 61 | |
| R3-CS-PS-153-c | 25mm nominal bore, weighing not less than 62 gms | each | 67 | |
| R3-CS-PS-162 | Providing & fixing chrome plated brass battery based infrared sensor operated pillar cock, having foam flow technology. | | | |
| R3-CS-PS-162-a | 15 mm nominal bore | each | 15,772 | *** |
| R3-CS-PS-155 | Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof. | each | 331 | |
| R3-CS-PS-156 | Making chases up to 7.5x7.5 cm in walls including making good and finishing with matching surface after housing G.I. pipe etc. | Rmt | 150 | |
| R3-CS-PS-157 | Making hole up to 20x20 cm and embedding pipes up to 150 mm diameter in masonry and filling with cement concrete 1:3:6 (1 cement : 3 coarse sand 6 graded stone aggregate 20 mm nominal size) including disposal of malba. | Rmt | 149 | |
| R3-CS-PS-158 | Disinfecting C.I. water mains by flushing with water containing bleaching powder @ 0.5 gms per litre of water and cleaning the same with fresh water, operation to be repeated three times including getting the sample of water from the disinfected main tested in the municipal laboratory. | | | |
| R3-CS-PS-158-a | 80 mm diameter C.I. pipe | 100 metre | 1,369 | |
| R3-CS-PS-158-b | 100 mm diameter C.I. pipe | 100 metre | 1,799 | |
| R3-CS-PS-158-c | 125 mm diameter C.I. pipe | 100 metre | 2,201 | |
| R3-CS-PS-158-d | 150 mm diameter C.I. pipe | 100 metre | 2,690 | |
| R3-CS-PS-158-e | 200 mm diameter C.I. pipe | 100 metre | 3,585 | |
| R3-CS-PS-158-f | 250 mm diameter C.I. pipe | 100 metre | 4,507 | |
| R3-CS-PS-158-g | 300 mm diameter C.I. pipe | 100 metre | 5,011 | |
| R3-CS-PS-159 | Extra for every operation of disinfecting the C.I. main by flushing with water containing bleaching powder @ 0.5 gms per litre of water and cleaning the same with fresh water, including getting the samples of water tested in the municipal laboratory : | | | |



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| R3-CS-PS-159-a | 80 mm diameter C.I. pipe | 100 metre | 500 | |
| R3-CS-PS-159-b | 100 mm diameter C.I. pipe | 100 metre | 614 | |
| R3-CS-PS-159-c | 125 mm diameter C.I. pipe | 100 metre | 750 | |
| R3-CS-PS-159-d | 150 mm diameter C.I. pipe | 100 metre | 872 | |
| R3-CS-PS-159-e | 200 mm diameter C.I. pipe | 100 metre | 1,330 | |
| R3-CS-PS-159-f | 250 mm diameter C.I. pipe | 100 metre | 1,527 | |
| R3-CS-PS-159-g | 300 mm diameter C.I. pipe | 100 metre | 1,711 | |
| R3-CS-PS-160 | Dismantling old C.I. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks, including stacking of pipes at site lead up to 50 metre : | | | |
| R3-CS-PS-160-a | 80 mm diameter C.I. pipe | Rmt | 300 | |
| R3-CS-PS-160-b | 100 mm diameter C.I. pipe | Rmt | 313 | |
| R3-CS-PS-160-c | 125 mm diameter C.I. pipe | Rmt | 324 | |
| R3-CS-PS-160-d | 150 mm diameter C.I. pipe | Rmt | 336 | |
| R3-CS-PS-160-e | 200 mm diameter C.I. pipe | Rmt | 374 | |
| R3-CS-PS-160-f | 250 mm diameter C.I. pipe | Rmt | 411 | |
| R3-CS-PS-160-g | 300 mm diameter C.I. pipe | Rmt | 444 | |
| R3-CS-PS-161 | Labour for cutting C.I. pipe with steel saw. | | | |
| R3-CS-PS-161-a | 80 mm diameter C.I. pipe | Each cut | 109 | |
| R3-CS-PS-161-b | 100 mm diameter C.I. pipe | Each cut | 146 | |
| R3-CS-PS-161-c | 125 mm diameter C.I. pipe | Each cut | 202 | |
| R3-CS-PS-161-d | 150 mm diameter C.I. pipe | Each cut | 277 | |
| R3-CS-PS-161-e | 200 mm diameter C.I. pipe | Each cut | 371 | |
| R3-CS-PS-161-f | 250 mm diameter C.I. pipe | Each cut | 460 | |
| R3-CS-PS-161-g | 300 mm diameter C.I. pipe | Each cut | 551 | |
| | DRAINAGE | | | |
| R3-CS-PS-162 | Supplying and fixing C.I. cover 300x300 mm without frame for gully trap (standard pattern) the weight of cover to be not less than 4.5 kg | Each | 721 | |
| R3-CS-PS-163 | Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : | | | |
| R3-CS-PS-163-a | 100 mm diameter | Rmt | 452 | |
| R3-CS-PS-163-b | 150 mm diameter | Rmt | 648 | |
| R3-CS-PS-163-c | 200 mm diameter | Rmt | 910 | |
| R3-CS-PS-163-d | 250 mm diameter | Rmt | 1,175 | |
| R3-CS-PS-163-e | 300 mm diameter | Rmt | 1,350 | |

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| R3-CS-PS-164 | Providing and laying cement concrete 1:4:8 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design : | | | |
| R3-CS-PS-164-a | 100 mm diameter S.W. pipe | Rmt | 831 | |
| R3-CS-PS-164-b | 150 mm diameter S.W. pipe | Rmt | 1,016 | |
| R3-CS-PS-164-c | 200 mm diameter S.W. pipe | Rmt | 1,185 | |
| R3-CS-PS-164-d | 250 mm diameter S.W. pipe | Rmt | 1,370 | |
| R3-CS-PS-164-e | 300 mm diameter S.W. pipe | Rmt | 1,543 | |
| R3-CS-PS-165 | Providing and laying cement concrete 1:4:8 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design : | | | |
| R3-CS-PS-165-a | 100 mm diameter S.W. pipe | Rmt | 395 | |
| R3-CS-PS-165-b | 150 mm diameter S.W. pipe | Rmt | 640 | |
| R3-CS-PS-165-c | 200 mm diameter S.W. pipe | Rmt | 752 | |
| R3-CS-PS-165-d | 250 mm diameter S.W. pipe | Rmt | 875 | |
| R3-CS-PS-165-e | 300 mm diameter S.W. pipe | Rmt | 875 | |
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| R3-CS-PS-166 | Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design : | | | |
| R3-CS-PS-166-a | 100x100 mm size P type | | | |
| R3-CS-PS-166-a-1 | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | each | 3,006 | |
| R3-CS-PS-166-a-2 | With Sewer bricks conforming to IS : 4885 | each | 3,235 | |
| R3-CS-PS-166-b | 150 x 100 mm size P type | | | |
| R3-CS-PS-166-b-1 | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | each | 3,030 | |
| R3-CS-PS-166-b-2 | With sewer bricks conforming to IS : 4885 | each | 3,258 | |



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| R3-CS-PS-166-c | 180x150 mm size P type | | | |
| R3-CS-PS-166-c-1 | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | each | 3,099 | |
| R3-CS-PS-166-c-2 | With Sewer bricks conforming to IS : 4885 | each | 3,327 | |
| R3-CS-PS-167 | Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps : | | | |
| R3-CS-PS-167-a | 100 mm diameter | Rmt | 65 | |
| R3-CS-PS-167-b | 150 mm diameter | Rmt | 72 | |
| R3-CS-PS-167-c | 200 mm diameter | Rmt | 77 | |
| R3-CS-PS-167-d | 250 mm diameter | Rmt | 82 | |
| R3-CS-PS-167-e | 300 mm diameter | Rmt | 86 | |
| R3-CS-PS-167-f | 350 mm diameter | Rmt | 99 | |
| R3-CS-PS-167-g | 400 mm diameter | Rmt | 109 | |
| R3-CS-PS-167-h | 450 mm diameter | Rmt | 113 | |
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| R3-CS-PS-168 | Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : | | | |
| R3-CS-PS-168-a | 100 mm dia. R.C.C. pipe | Rmt | 461 | |
| R3-CS-PS-168-b | 150 mm dia. R.C.C. pipe | Rmt | 517 | |
| R3-CS-PS-168-c | 250 mm dia. R.C.C. pipe | Rmt | 837 | |
| R3-CS-PS-168-d | 300 mm dia. R.C.C. pipe | Rmt | 900 | |
| R3-CS-PS-168-e | 450 mm dia. R.C.C. pipe | Rmt | 1,209 | |
| R3-CS-PS-168-f | 500 mm dia. R.C.C. pipe | Rmt | 1,516 | |
| R3-CS-PS-168-g | 600 mm dia. R.C.C. pipe | Rmt | 2,299 | |
| R3-CS-PS-168-h | 700 mm dia. R.C.C. pipe | Rmt | 3,025 | |
| R3-CS-PS-168-i | 800 mm dia. R.C.C. pipe | Rmt | 3,731 | |
| R3-CS-PS-168-j | 900 mm dia. R.C.C. pip | Rmt | 4,316 | |
| R3-CS-PS-168-k | 1000 mm dia. R.C.C. pipe | Rmt | 5,068 | |
| R3-CS-PS-168-l | 1100 mm dia. R.C.C. pipe | Rmt | 5,493 | |
| R3-CS-PS-168-j | 1200 mm dia. R.C.C. pipe | Rmt | 6,130 | |
| R3-CS-PS-169 | Constructing brick masonry inspection chamber in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : | | | |
| R3-CS-PS-169-a | Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : | | | |



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| R3-CS-PS-169-a-1 | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | each | 10,825 | |
| R3-CS-PS-169-a-2 | With Sewer bricks conforming to IS : 4885 | each | 10,086 | |
| R3-CS-PS-169-b | Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) : | | | |
| R3-CS-PS-169-b-1 | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | each | 18,376 | |
| R3-CS-PS-169-b-2 | With Sewer bricks conforming to IS : 4885 | each | 19,796 | |
| R3-CS-PS-169-c | Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (heavy duty) 560 mm internal diameter, total weight of cover and frame to be not less than 208 kg (weight of cover 108 kg and weight of frame 100 kg) : | | | |
| R3-CS-PS-169-c-1 | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | each | 25,793 | |
| R3-CS-PS-169-c-2 | With Sewer bricks conforming to IS : 4885 | each | 27,016 | |
| | | | | |
| R3-CS-PS-169-d | Size 90x80 cm | | | |
| R3-CS-PS-169-d-1 | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | Rmt | 10,137 | |
| R3-CS-PS-169-d-2 | With Sewer bricks conforming to IS : 4885 | Rmt | 11,876 | |
| R3-CS-PS-169-e | Size 120x90 cm | | | |
| R3-CS-PS-169-e-1 | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | Rmt | 12,125 | |
| R3-CS-PS-169-e-2 | With Sewer bricks conforming to IS : 4885 | Rmt | 14,198 | |
| R3-CS-PS-170 | Constructing brick masonry circular type manhole 0.91 m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement :4 coarse sand), in side cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size), and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design : | | | |
| R3-CS-PS-170-a | 0.91 m deep with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg., fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering shuttering all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately) : | | | |



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| R3-CS-PS-170-a-1 | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | each | 10,836 | |
| R3-CS-PS-170-a-2 | With Sewer bricks conforming to IS : 4885 | each | 12,313 | |
| R3-CS-PS-171 | Extra depth for circular type manhole 0.91m internal dia (at bottom) beyond 0.91 m to 1.67 m | | | |
| R3-CS-PS-171-a | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | Rmt | 8,642 | |
| R3-CS-PS-171-b | With Sewer bricks conforming IS : 4885 | Rmt | 10,099 | |
| R3-CS-PS-172 | Constructing brick masonry circular manhole 1.22 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand) inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design : | | | |
| R3-CS-PS-172-a | 1.68 m deep with SFRC Cover and frame (heavy duty HD-20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg. fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete. (Excavation, foot rests and 12 mm thick cement plaster at the external surface shall be paid for separately) : | | | |
| R3-CS-PS-172-a-1 | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | each | 20,486 | |
| R3-CS-PS-172-a-2 | With Sewer bricks conforming IS : 4885 | each | 22,391 | |
| R3-CS-PS-172-b | Extra depth for circular type manhole 1.22 m internal dia (at bottom) beyond 1.68 m to 2.29 m : | | | |
| R3-CS-PS-172-b-1 | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | Rmt | 11,216 | |
| R3-CS-PS-172-b-2 | With Sewer bricks conforming IS : 4885 | Rmt | 13,117 | |
| R3-CS-PS-173 | Constructing brick masonry circular manhole 1.52 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand) inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design : | | | |



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| R3-CS-PS-173-a | 2.30 m deep with SFRC Cover and frame (heavy duty HD-20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not | | | |
| R3-CS-PS-173-a-1 | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | each | 46,559 | |
| R3-CS-PS-173-a-2 | With Sewer bricks conforming IS : 4885 | each | 59,438 | |
| R3-CS-PS-174 | Extra depth for circular type manhole 1.52 m internal dia (at bottom) beyond 2.30 m : | | | |
| R3-CS-PS-174-a | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | Rmt | 27,268 | |
| R3-CS-PS-174-b | With Sewer bricks conforming IS : 4885 | Rmt | 32,185 | |
| R3-CS-PS-175 | Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design : | | | |
| R3-CS-PS-175-a | With 20x20 mm square bar | each | 406 | |
| R3-CS-PS-175-b | With 20 mm diameter round bar | each | 410 | |
| R3-CS-PS-176 | Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS : 1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design. | each | 596 | |
| R3-CS-PS-177 | Replacement of M.S. foot rests in manholes including dismantling concrete blocks and fixing with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) : | | | |
| R3-CS-PS-177-a | With 20x20 mm square bar | each | 503 | |
| R3-CS-PS-177-b | With 20 mm diameter round bar | each | 507 | |
| R3-CS-PS-178 | Supplying and fixing C.I. cover without frame for manholes : | | | |
| R3-CS-PS-178-I | 455x610 mm rectangular C.I. cover (light duty) the weight of the cover to be not less than 23 kg | each | 1,688 | |
| R3-CS-PS-178-II | 500 mm diameter C.I. cover (medium duty) the weight of the cover to be not less than 58 kg | each | 1,618 | |



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| R3-CS-PS-178-III | 560 mm diameter C.I. cover (heavy duty) the weight of the cover to be not less than 108 kg | each | 2,990 | |
| R3-CS-PS-179 | Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality | | | |
| R3-CS-PS-179-a | L D- 2.5 | | | |
| R3-CS-PS-179-a-1 | Rectangular shape 600x450 mm internal dimensions | each | 2,087 | |
| R3-CS-PS-179-a-2 | Square shape 450 mm internal dimensions | each | 949 | |
| R3-CS-PS-179-a-3 | Circular shape 450 mm internal diameter | each | 1,368 | |
| R3-CS-PS-179-b | M D - 10 | | | |
| R3-CS-PS-179-b-1 | Square shape 450 mm internal dimension | each | 2,157 | |
| R3-CS-PS-179-b-2 | Circular shape 500 mm internal diameter | each | 1,505 | |
| R3-CS-PS-179-c | H D - 20 | | | |
| R3-CS-PS-179-c-1 | Circular shape 560 mm internal diameter | each | 1,374 | |
| R3-CS-PS-179-d | EHD - 35 | | | |
| R3-CS-PS-179-d-1 | Circular shape 560 mm internal dia | each | 2,886 | |
| R3-CS-PS-181 | Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete : | | | |
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| R3-CS-PS-181-a | For pipes 100 to 250 mm diameter | each | 585 | |
| R3-CS-PS-181-b | For pipes 250 to 300 mm diameter | each | 664 | |
| R3-CS-PS-181-c | For pipes 350 to 450 mm diameter | each | 944 | |



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| R3-CS-PS-182 | Providing sand cast iron drop connection externally for 60 cm drop from branch sewer line to main sewer manhole including inspection encased all-round with cement concrete 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 12 mm nominal size) with all and cleaning eye with chain and lid, sand cast iron drop pipe and bend centering and shuttering required, cutting holes in walls and making good with brick work in cement mortar 1:4 (1 cement : 4 coarse sand) and fittings, stiff cement mortar 1:1 (1 cement : 1 fine sand) joints between sand cast iron tee and S.W. pipe, making required channels complete as per standard design and specifications : | | | |
| R3-CS-PS-182-a | 100 mm dia sand cast iron drop connection | each | 9,259 | |
| R3-CS-PS-182-b | 150 mm dia sand cast iron drop connection | each | 12,664 | |
| R3-CS-PS-182 | Extra for depths beyond 60 cm of sand cast iron drop connection complete : | | | |
| R3-CS-PS-183-a | For 100 mm dia sand cast iron drop connection | Rmt | 2,861 | |
| R3-CS-PS-183-b | For 150 mm dia sand cast iron drop connection | Rmt | 4,993 | |
| R3-CS-PS-184 | Dismantling of manhole including R.C.C. top slab, C.I. cover with frame, including stacking of useful materials near the site and disposal | | | |
| R3-CS-PS-184-a | Rectangular manhole 90x80 cm and 45 cm deep | each | 1,843 | |
| R3-CS-PS-184-b | Rectangular manhole 120x90 cm and 90 cm deep | each | 3,250 | |
| R3-CS-PS-184-c | Rectangular arch type manhole 140x90 cm and 2.45 m deep | each | 6,210 | |
| R3-CS-PS-184-d | Circular manhole 122 cm diameter and 1.68 m deep | each | 4,744 | |
| R3-CS-PS-185 | Extra for depth of manholes dismantled : | | | |
| R3-CS-PS-185-a | Rectangular manhole 90x80 cm and beyond 45 cm depth | Rmt | 1,502 | |
| R3-CS-PS-185-b | Rectangular manhole 120x90 cm and beyond 90 cm depth | Rmt | 1,789 | |
| R3-CS-PS-185-c | Rectangular arch type manhole 140x90 cm and beyond 2.45 m depth (up to 4.25 m depth) | Rmt | 1,437 | |
| R3-CS-PS-185-d | Circular manhole 122 cm diameter and beyond 1.68 m depth (up to 2.29 m depth) | Rmt | 1,560 | |
| R3-CS-PS-186 | Raising manhole cover and frame slab to required upto 150mm including dismantling existing slab and making good the damage as required Raising depth of manhole to be paid separately) | | | |
| R3-CS-PS-186-a-1 | Rectangular manhole 90x80 cm with rectangular cover 600x450 mm of grade LD - 2.5 | each | 2,282 | |



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| R3-CS-PS-186-a-2 | Rectangular manhole 120x90 cm with circular cover 500 mm dia of grade MD - 10 | each | 3,571 | |
| R3-CS-PS-186-a-3 | Rectangular manhole 120x90 cm with circular cover 560 mm dia of grade HD - 20 | each | 3,315 | |
| R3-CS-PS-186-a-4 | Circular manhole 140 cm dia with circular cover 600 mm dia of grade EHD - 35 | each | 221 | |
| R3-CS-PS-186-b | Raising manhole cover and frame slab to required upto 300mm including dismantling existing slab and making good the damage as required Raising depth of manhole to be paid separately) | | | |
| R3-CS-PS-186-b-1 | Rectangular manhole 90x80 cm with rectangular cover 600x450 mm of grade LD - 2.5 | each | 4,305 | |
| R3-CS-PS-186-b-2 | Rectangular manhole 120x90 cm with circular cover 500 mm dia of grade MD - 10 | each | 5,558 | |
| R3-CS-PS-186-b-3 | Rectangular manhole 120x90 cm with circular cover 560 mm dia of grade HD - 20 | each | 6,248 | |
| R3-CS-PS-186-b-4 | Circular manhole 140 cm dia with circular cover 600 mm dia of grade EHD - 35 | each | 374 | |
| | Raising manhole cover and frame slab to required upto 600mm including dismantling existing slab and making good the damage as required Raising depth of manhole to be paid separately) | | | |
| R3-CS-PS-186-c-1 | Rectangular manhole 90x80 cm with rectangular cover 600x450 mm of grade LD - 2.5 | each | 8,245 | |
| R3-CS-PS-186-c-2 | Rectangular manhole 120x90 cm with circular cover 500 mm dia of grade MD - 10 | each | 10,639 | |
| R3-CS-PS-186-c-3 | Rectangular manhole 120x90 cm with circular cover 560 mm dia of grade HD - 20 | each | 12,038 | |
| R3-CS-PS-186-c-4 | Circular manhole 140 cm dia with circular cover 600 mm dia of grade EHD - 35 | each | 699 | |
| | Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. | | | |
| R3-CS-PS-192-a | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | each | 44,903 | |
| R3-CS-PS-193 | Constructing soak pit 1.20x1.20x1.20 m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design. | each | 5,307 | |
| | Providing and fixing S.W. intercepting trap in manholes with stiff mixture of cement mortar 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : | | | |



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| R3-CS-PS-194-a | 100 mm dia | each | 603 | |
| R3-CS-PS-194-b | 150 mm dia | each | 856 | |
| R3-CS-PS-190 | Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 (1 cement : 5 finesand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design | | | |
| R3-CS-PS-190-a | Inside dimensions 455x610 mm and 45 cm deep for single pipe line : | | | |
| R3-CS-PS-190-a-1 | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | each | 7,477 | |
| R3-CS-PS-190-b | Inside dimensions 500x700 mm and 45 cm deep for pipe line with one or two inlets : | | | |
| R3-CS-PS-190-b-1 | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | each | 8,603 | |
| R3-CS-PS-190-c | Inside dimensions 600x 850 mm and 45 cm deep for pipe line with three or more inlets : | | | |
| R3-CS-PS-190-c-1 | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | each | 8,419 | |
| | Extra for depth beyond 45 cm of brick masonry chamber : | | | |
| R3-CS-PS-191-a | For 455x610 mm size | | | |
| R3-CS-PS-191-a-1 | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | Rmt | 6,914 | |
| R3-CS-PS-191-b | For 500x700 mm size | | | |
| R3-CS-PS-191-b-1 | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | Rmt | 7,524 | |
| R3-CS-PS-191-c | For 600x850 mm size | | | |
| R3-CS-PS-191-c-1 | With common burnt clay F.P.S. (non modular) bricks of class designation 3.5 | Rmt | 8,976 | |
| R3-CS-PS-191 | Providing and fixing in position uPVC/SWR (Soil/Waste/Rain) pipe of type-B 75 mm dia. in any position including all fittings and accessories, making joints / connections water tight with solvent cement, scaffolding if necessary and making good the damages if any (excluding excavation and refilling the trenches) etc. complete as specified and directed.(All fittings and accessories like clamps,etc. should be of same brand. No separate payment shall be made for fittings and accessories). | Rmt | 271 | |



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| R3-CS-PS-192 | Providing and fixing in position uPVC/SWR (Soil/Waste/Rain) pipe of type-B 110 mm dia. in any position including all fittings and accessories, making joints / connections water tight with solvent cement, scaffolding if necessary and making good the damages if any (excluding excavation and refilling the trenches) etc. complete as specified and directed.(All fittings and accessories like clamps,etc. should be of same brand. No separate payment shall be made for fittings and accessories). | Rmt | 414 | |
| R3-CS-PS-202 | Providing and fixing in position uPVC/SWR (Soil/Waste/Rain) pipe of type-B 160 mm dia. in any position including all fittings and accessories, making joints / connections water tight with solvent cement, scaffolding if necessary and making good the damages if any (excluding excavation and refilling the trenches) etc. complete as specified and directed.(All fittings and accessories like clamps,etc. should be of same brand. No separate payment shall be made for fittings and accessories). | Rmt | 981 | |
| R3-CS-PS-194 | Constructing brick masonry inspection chamber 90cm x 45cm x30cm in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making haunches, channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design. | each | 4342 | |
| R3-CS-PS-195 | Extra on item CS-PS-194 for additional depth above 30 cm of 230 mm brick walls | Rmt | 5811 | |
| R3-CS-PS-196 | Providing & fixing M. S. angled ISA 5050 of 6 mm. welded frame for rectangular inspection chamber of 90 cm x 45 cm. with, 1 : 2 : 4 R. C. C. cover of approved design, 50mm. thick fixed complete including cement sand filleting 1 : 1 in C. S. complete as directed (Including fixing in cement mortar with cement and sand filleting around C. I. Frame and removal of the existing frame and cover if any. The frame and cover must be weighed before fixing in position.) (The dimension specified are clear inside dimensions of the frames. In case of M. S. angled frame, the proper hold fasts &fastening should be embedded in c.c.) | Each | 1797 | |
| R3-CS-PS-197 | P/F R.C.C. cover on inspection chamber of size 90 cm x 45 cm. and 50 mm. thick, etc., directed. | Each | 1798 | |
| R3-CS-PS-198 | Open half-round S.W. pipe above 75 mm, upto 150 mm channel filled in cement and sand mortar 1: 2 above. | Rmt | 198 | |
| R3-CS-PS-199 | Providing and fixing open half round Hume pipe channel with collar etc. in cm. (1:2) laid complete 150 mm dia. | Rmt | 219 | |
| R3-CS-PS-200 | Providing and fixing open half round Hume pipe channel without collar etc. in cm. (1:2) laid complete 150 mm dia. (Note deduct Rs. 14.00 per R.M. if collar is not required). | Rmt | 151 | |
| R3-CS-PS-201 | Providing and fixing open half round Hume pipe channel with collar etc. in cm. (1:2) laid complete 250 mm dia. (Note deduct Rs. 17.00 per R.M. if collar is not required). | Rmt | 220 | |
| R3-CS-PS-203 | Providing and fixing C.P. Brass two way bib cock with flange of approved quality and make. | Each | 1116 | |
| R3-CS-PS-204 | Providing and fixing Health Faucet with one metre long easy flex tube in chrome finish and wall flange | Each | 1324.00 | |



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| R3-CS-PS-205 | Providing and fixing flush cock with wall flange 25mm with lever knob. | Each | 1858.00 | |
| R3-CS-PS-206 | Providing and fixing Patel Pattern or any approved make air tight cast iron inspection chamber with air tight cover screwed down with gun metal screws bedded on cement concrete 1:4:8, 230 mm thick enclosed in 230 mm thick masonry work in cement mortar 1:4 with 12 mm thick plaster in c.m. 1:3 on both sides, complete with cast iron frame and cover both together weighing not less than 102 kg fixed in cement mortar etc. complete. | Each | 54362 | |
| R3-CS-PS-207 | Extra and over for item no.CS-PS-206 for every additional inlet for air tight cast iron inspection chamber. | Each | 1863 | |
| R3-CS-PS-208-a | Supplying, laying, jointing & testing UPVC Drainage class pipes of FoamcoreAstral(SN 8) or equivalent make in solvent cement joint including leveling with cutting the pipe to required length, roughining of pipe at wall joint including socket as directed: 150 mm pipe | MTR | 1003 | |
| R3-CS-PS-208-b | Supplying, laying, jointing & testing UPVC Drainage class pipes of FoamcoreAstral(SN 8) or equivalent make in solvent cement joint including leveling with cutting the pipe to required length, roughining of pipe at wall joint including socket as directed: 200 mm pipe | MTR | 1400 | |
| R3-CS-PS-208-c | Supplying, laying, jointing & testing UPVC Drainage class pipes of FoamcoreAstral(SN 8) or equivalent make in solvent cement joint including leveling with cutting the pipe to required length, roughining of pipe at wall joint including socket as directed: 250 mm pipe | MTR | 2614 | |
| R3-CS-PS-209 | Providing fixing testing and commissioning 0.9m x 1.25m x 1.0m deep Grease trap (0.60m liquid height) constructed out of 230 mm brick masonry with PVC Tee connection for inlet outlet & vent, DI MD Manhole cover and frame (Cover size 0.9 x 0.45 m wide 2 nos.) , 40 mm thick Kaddappa baffle wall situated across the chamber. Trap shall be internally smooth plastered with internal & externally Complete with 2 Nos 0.4 M x 0.85 M x 0.1 M high SS 304. perforated tray's with handles on both side including all accessories mounting. complete as specified in drawing | NOS | 58757 | |
| R3-CS-PS-210 | Providing & fixing 100 mm SS 304 ACO Kitchen drain chanel including grating on top. | MTR | 37167 | |
| R3-CS-PS-211 | Providing & fixing 150 mm SS 304 ACO Kitchen drain chanel including SS 304 grating on top. | MTR | 40233 | |
| R3-CS-PS-212 | Providing & fixing Potable SS Grease separator Trap of Aco make model FSS50,Part.No.402614 size 600 x 520 x 440 of 2 L/S flow. | NOS | 44646 | |
| R3-CS-PS-213-a | Supplying & fixing 40 mm thick DI heavy Rain water grating over storm water channel of heavy duty. a) 600 x 300 MM(300wide) | NOS | 10253 | |
| R3-CS-PS-213-b | Supplying & fixing 40 mm thick DI heavy Rain water grating over storm water channel of heavy duty. b) 600 x 450 MM (450wide) | NOS | 11702 | |
| R3-CS-PS-213-c | Supplying & fixing 40 mm thick DI heavy Rain water grating over storm water channel of heavy duty. c) 600 x 600 MM (600wide) | NOS | 15083 | |



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| R3-CS-PS-214 | Constructing brick masonry valve & meter/RWH chambers in 250mm thick brick masonry in cement mortar 1: 5 using first class bricks constructed over a bed of 150mm thick cement concrete 1:2:4 plastering inside outside and all exposed surface with 20mm thick cement mortar 1.3, finishing inside with a floating coat of neat cement providing & fixing CI frame & cover size, weight mentioned below painting all CI items with 3 coats of approved bitumastic paint etc. complete. Chamber 600 x 600mm clear inside with 600 x 600 CI frame & cover weighting not less than 72kg. Depth of chamber not exceeding 1000mm | NOS | 20822 | |
| R3-CS-PS-215-a | Supplying & Fixing 3 mm thick lead flashing in single piece of lead sheet all around the rain water outlet mouth on a layer of cold bitmen including heavy duty 5 mm thick C.I. grating, a) 150 x 150 (6" x 6") square or dia outlet for 100 mm (4") pipe. | NOS | 530 | |
| R3-CS-PS-215-b | Supplying & Fixing 3 mm thick lead flashing in single piece of lead sheet all around the rain water outlet mouth on a layer of cold bitmen including heavy duty 5 mm thick C.I. grating, b) 230 x 230 (9" x 9") square or dia outlet for 150 mm (6") pipe. | NOS | 705 | |
| R3-CS-PS-215-c | Supplying & Fixing 3 mm thick lead flashing in single piece of lead sheet all around the rain water outlet mouth on a layer of cold bitmen including heavy duty 5 mm thick C.I. grating, c) 300 x 300 (12" x 12") square or dia outlet for 200 mm (8") pipe. | NOS | 674 | |
| R3-CS-PS-215-d | Supplying & Fixing 3 mm thick lead flashing in single piece of lead sheet all around the rain water outlet mouth on a layer of cold bitmen including heavy duty 5 mm thick C.I. grating, d) 150 x 150 (6" x 6") square or dia outlet for 75 mm (3") pipe. | NOS | 530 | |
| R3-CS-PS-216-a | Supplying & Fixing CI Hubless pipe as per EN 877 with stainless steel coupling with EPDM rubber gasket jointng as pe DIN- 19543, ASTM C 1277-4 including cutting masonry or walls, etc. wherever necessary for making connections, Supplying & Fixing the pipe to Ceiling, & walls on suitably design bracket including spare socket, scaffolding wherever necessary, painting the exposed faces with suitable anticorrosive paint and 2 coats of oil paint recommended by the Architect / Consultant. 80 mm dia | MTR | 1793 | |
| R3-CS-PS-216-b | Supplying & Fixing CI Hubless pipe as per EN 877 with stainless steel coupling with EPDM rubber gasket jointng as pe DIN- 19543, ASTM C 1277-4 including cutting masonry or walls, etc. wherever necessary for making connections, Supplying & Fixing the pipe to Ceiling, & walls on suitably design bracket including spare socket, scaffolding wherever necessary, painting the exposed faces with suitable anticorrosive paint and 2 coats of oil paint recommended by the Architect / Consultant. 100 mm dia | MTR | 1918 | |
| R3-CS-PS-216-c | Supplying & Fixing CI Hubless pipe as per EN 877 with stainless steel coupling with EPDM rubber gasket jointng as pe DIN- 19543, ASTM C 1277-4 including cutting masonry or walls, etc. wherever necessary for making connections, Supplying & Fixing the pipe to Ceiling, & walls on suitably design bracket including spare socket, scaffolding wherever necessary, painting the exposed faces with suitable anticorrosive paint and 2 coats of oil paint recommended by the Architect / Consultant. 150 mm dia | MTR | 2914 | |
| R3-CS-PS-217-a | Supplying & Fixing & jointing with cast iron fitting such as Bends, Tees, Cross, Wye, etc. of required degree with access door with stainless steel coupling with EPDM rubber gasket jointng as pe DIN- 19543, ASTM C 1277-4. 80 mm dia | NOS | 2199 | |



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| R3-CS-PS-217-b | Supplying & Fixing & jointing with cast iron fitting such as Bends, Tees, Cross, Wye, etc. of required degree with access door with stainless steel coupling with EPDM rubber gasket jointng as pe DIN- 19543, ASTM C 1277-4. 100 mm dia | NOS | 2432 | |
| R3-CS-PS-217-c | Supplying & Fixing & jointing with cast iron fitting such as Bends, Tees, Cross, Wye, etc. of required degree with access door with stainless steel coupling with EPDM rubber gasket jointng as pe DIN- 19543, ASTM C 1277-4. 150 mm dia | NOS | 4083 | |
| R3-CS-PS-218-a | Supplying & Fixing screwed cast brass cleanout plug with suitable inset keys & opening, male threaded joint with EPDM rubber gasket jointng as pe DIN- 19543, ASTM C 1277-4. a) 80 mm (3") dia | NOS | 1801 | |
| R3-CS-PS-218-b | Supplying & Fixing screwed cast brass cleanout plug with suitable inset keys & opening, male threaded joint with EPDM rubber gasket jointng as pe DIN- 19543, ASTM C 1277-4. b) 100 mm (4") dia. | NOS | 2123 | |
| R3-CS-PS-218-c | Supplying & Fixing screwed cast brass cleanout plug with suitable inset keys & opening, male threaded joint with EPDM rubber gasket jointng as pe DIN- 19543, ASTM C 1277-4. C) 150 mm (6") dia. | NOS | 4055 | |
| R3-CS-PS-218-d | Supplying & Fixing screwed cast brass cleanout plug with suitable inset keys & opening, male threaded joint with EPDM rubber gasket jointng as pe DIN- 19543, ASTM C 1277-4.d) 200 mm (8") dia. | NOS | 4538 | |
| R3-CS-PS-219 | Providig& Supplying & Fixing 100 mm dia. CI 'P' trap Suspended type floor Drain of standard design. with EPDM rubber gasket jointng as pe DIN- 19543, ASTM C 1277-4. | NOS | 2343 | |
| R3-CS-PS-220-a | Supplying & Fixing Agricultural PVC 10 kg class pipe as IS 4985-2000 of Approved make with P.V.C. fittings including Chasing of Brick wall & making good the same with 1:3 cement sand plaster using Chiken wire mesh etc. complete a) 50 mm (1 1/2") dia. | MTR | 267 | |
| R3-CS-PS-220-b | Supplying & Fixing Agricultural PVC 10 kg class pipe as IS 4985-2000 of Approved make with P.V.C. fittings including Chasing of Brick wall & making good the same with 1:3 cement sand plaster using Chiken wire mesh etc. complete b) 40 mm (1 1/4") dia. | MTR | 254 | |
| R3-CS-PS-221 | Providing and fixing cast iron Pan connectors with or without vent holes straight/ bend including providing & jointing with drip seal joints. | NOS | 1254 | |
| R3-CS-PS-222 | 75 mm C.I nahani trap with grating with 75 mm C.I. bend with cleaning caps fixed complete | NOS | 3177 | |
| R3-CS-PS-223 | Providing,fixing and jointing including testing heavy quality MildSteel pipes conforming to IS: 1239 or IS: 3589 7mm thick including cutting, threaded or conforming to IS: 1239 or IS: 3589 7mm thick including cutting, threaded or welded (all type) joints as per detailed specifications and providing suitable flanges wherever required complete with necessary fittings viz bends, tees, reducers etc.required including fixing the pipes on wall/ ceiling/ beam/ floor with suitable hangers, clamps and painting the pipe of following sizes complete. Pipes upto 50mm dia threaded joints with holdite, 65mm and above should be welded joint (All types of welded joints). A100 mm dia. | MTR | 515 | |



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| R3-CS-PS-224 | Supplying, installing, testing and commissioning of MS Pipes conforming to IS 1239 Pt - I Heavy grade 'C' Class with threaded / welded fittings such as flanges, elbows, tees, reducers etc laid above ground according to the technical specifications and drawings. Rates shall be inclusive of painting, rigid structural supports, anchor fasteners, bolts, nuts (Galvanised), clamps, "U" bolts, etc. complete. - 150 mm nominal dia | MTR | 3025 | |
| R3-CS-PS-225-a | Providing, fixing and testing heavy quality gun metal or brass ball valve with screwed ends 20kgm class on GI or copper pipe (Leader/ZOLOTO make) 15 mm (1/2") dia. | NOS | 633 | |
| R3-CS-PS-225-b | Providing, fixing and testing heavy quality gun metal or brass ball valve with screwed ends 20kgm class on GI or copper pipe (Leader/ZOLOTO make) 20 mm (3/4") dia. | NOS | 794 | |
| R3-CS-PS-225-c | Providing, fixing and testing heavy quality gun metal or brass ball valve with screwed ends 20kgm class on GI or copper pipe (Leader/ZOLOTO make) 25 mm (1") dia. | NOS | 1088 | |
| R3-CS-PS-225-d | Providing, fixing and testing heavy quality gun metal or brass ball valve with screwed ends 20kgm class on GI or copper pipe (Leader/ZOLOTO make) 32 mm (1 1/4") dia. | NOS | 1582 | |
| R3-CS-PS-225-e | Providing, fixing and testing heavy quality gun metal or brass ball valve with screwed ends 20kgm class on GI or copper pipe (Leader/ZOLOTO make) 40 mm (1 1/2") dia. | NOS | 2443 | |
| R3-CS-PS-225-f | Providing, fixing and testing heavy quality gun metal or brass ball valve with screwed ends 20kgm class on GI or copper pipe (Leader/ZOLOTO make) 50 mm (2") dia. | NOS | 3227 | |
| R3-CS-PS-226-a | Supplying & fixing 600 mm (24") to 750 mm (2'-6") long screwed G.I. C class pipe with 3 mm thick M.S. bar flange (plate) welded on it: Flanges should be of Table E of approved make. (Puddle Flange) a) 65 mm (2 1/2") dia pipe 5 mm thick with 150 X 150 (6" X 6") plate, Both ends Flanged of | NOS | 2713 | |
| R3-CS-PS-226-b | Supplying & fixing 600 mm (24") to 750 mm (2'-6") long screwed G.I. C class pipe with 3 mm thick M.S. bar flange (plate) welded on it: Flanges should be of Table E of approved make. (Puddle Flange) b) 75 mm (3") dia pipe 5 mm thick with 200 X 200 (8" X 8") plate, Both ends Flanged of | NOS | 2937 | |
| R3-CS-PS-226-c | Supplying & fixing 600 mm (24") to 750 mm (2'-6") long screwed G.I. C class pipe with 3 mm thick M.S. bar flange (plate) welded on it: Flanges should be of Table E of approved make. (Puddle Flange) c) 100 mm (4") dia pipe 5 mm thick with 250 X 250 (10" X 10") plate, Both ends Flanged | NOS | 3552 | |
| R3-CS-PS-226-d | Supplying & fixing 600 mm (24") to 750 mm (2'-6") long screwed G.I. C class pipe with 3 mm thick M.S. bar flange (plate) welded on it: Flanges should be of Table E of approved make. (Puddle Flange) d) 150 mm (6") dia pipe 7 mm thick with 300 X 300 (12" X 12") plate, Both ends Flanged | NOS | 5159 | |
| R3-CS-PS-226-e | Supplying & fixing 600 mm (24") to 750 mm (2'-6") long screwed G.I. C class pipe with 3 mm thick M.S. bar flange (plate) welded on it: Flanges should be of Table E of approved make. (Puddle Flange) e) 200 mm (8") dia pipe 7 mm thick with 350 X 350 (14" X 14") plate, Both ends Flanged | NOS | 6927 | |



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| R3-CS-PS-227-a | Providing and fixing brass screwed/flanged type mosquito proof grating for under ground suction tank/Over Head tank, over flow and vent of the following diameters. 50mm dia a) 50 mm (2") dia. | NOS | 915 | |
| R3-CS-PS-228 | Providing & fixing C.I. Manhole covers with frames / rings for R.C.C., underground water storage tanks/Over Head tank, sizes of covers. (600mm dia.) NOTE:-should be provided with locking arrangement | NOS | 5633 | |
| R3-CS-PS-229 | Supporting and installing cast iron dual plate wafer type PN 16 doubleflanged type non-return valve including nuts bolts 1.6 mm thick compressed asbestos gasket including matching flanges complete. 100 mm dia | NOS | 9254 | |
| R3-CS-PS-230 | Supporting and installing cast iron dual plate wafer type PN 16 doubleflanged type non-return valve including nuts bolts 1.6 mm thick compressed asbestos gasket including matching flanges complete. 65 mm dia | NOS | 6437 | |
| R3-CS-PS-231 | Providing & fixing of CI wafer type butterfly valve (suitable for test pressure of 15 kg / sqm) with flanges, nut bolts, gaskets and necessary pad locking arrangement complete required. - 200 mm dia | NOS | 20499 | |
| R3-CS-PS-232 | Supplying, Installing, testing and commissioning CI butterfly valves (PN 16) slim seal standard lever operated type conforming to IS 13039 with required flanges, nuts, bolts etc. complete.- 150 mm dia. | NOS | 8691 | |
| R3-CS-PS-233 | Supplying and installing cast iron Butterfly valves PN 16 complete with both sides including flanges on receiving pipes with nuts, bolts, 1.5mm thick compressed asbestos gasket insertion as required. 100 mm dia. | NOS | 5838 | |
| R3-CS-PS-234 | Supplying and installing cast iron Butterfly valves PN 16 complete with both sides including flanges on receiving pipes with nuts, bolts, 1.5mm thick compressed asbestos gasket insertion as required. 80 mm dia. | NOS | 4747 | |
| R3-CS-PS-235 | Supplying and installing cast iron Butterfly valves PN 16 complete with both sides including flanges on receiving pipes with nuts, bolts, 1.5mm thick compressed asbestos gasket insertion as required. 65 mm dia. | NOS | 4431 | |
| R3-CS-PS-236 | Insulation of hot water pipe lines either GI or PPR or cPVC with 6mm thick thermaflex polyethylene nitrile rubber with primer, adhesive tape at the joint & applying a cover of polyshield on the surface for mech protection as well in complete. 15mm pipes | MTR | 140 | |
| R3-CS-PS-236-a | Insulation of hot water pipe lines either GI or PPR or cPVC with 6mm thick thermaflex polyethylene nitrile rubber with primer, adhesive tape at the joint & applying a cover of polyshield on the surface for mech protection as well in complete. 20 mm pipes | MTR | 159 | |
| R3-CS-PS-236-b | Insulation of hot water pipe lines either GI or PPR or cPVC with 6mm thick thermaflex polyethylene nitrile rubber with primer, adhesive tape at the joint & applying a cover of polyshield on the surface for mech protection as well in complete. 25mm pipes | MTR | 180 | |
| R3-CS-PS-237-a | Providing & fixing 13 mm thick Thermaflex Polly Ethylene Nitrite rubber (Density 30 kg/sq. cm) wrapping closely over hot water pipes chased in wall & wrapped PVC tape over Nitrile rubber. a) 15 mm (1/2") dia. | MTR | 132 | |
| R3-CS-PS-237-b | Providing & fixing 13 mm thick Thermaflex Polly Ethylene Nitrite rubber (Density 30 kg/sq. cm) wrapping closely over hot water pipes chased in wall & wrapped PVC tape over Nitrile rubber. b) 20 mm (3/4") dia. | MTR | 170 | |



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| R3-CS-PS-237-c | Providing & fixing 13 mm thick Thermaflex Polly Ethylene Nitrite rubber (Density 30 kg/sq. cm) wrapping closely overhot water pipes chased in wall & wrapped PVC tape over Nitrile rubber. c) 25 mm (1") dia. | MTR | 184 | |
| R3-CS-PS-237-d | Providing & fixing 13 mm thick Thermaflex Polly Ethylene Nitrite rubber (Density 30 kg/sq. cm) wrapping closely overhot water pipes chased in wall & wrapped PVC tape over Nitrile rubber. d) 32 mm (1 1/4") dia. | MTR | 207 | |
| R3-CS-PS-237-e | Providing & fixing 13 mm thick Thermaflex Polly Ethylene Nitrite rubber (Density 30 kg/sq. cm) wrapping closely overhot water pipes chased in wall & wrapped PVC tape over Nitrile rubber. e) 40 mm (1 1/2") dia. | MTR | 253 | |
| R3-CS-PS-237-f | Providing & fixing 13 mm thick Thermaflex Polly Ethylene Nitrite rubber (Density 30 kg/sq. cm) wrapping closely overhot water pipes chased in wall & wrapped PVC tape over Nitrile rubber. f) 50 mm (2") dia. | MTR | 301 | |
| R3-CS-PS-238-a | Providing & fixing 20 mm thick Thermaflex Polly Ethylene Nitrite rubber (Density 30 kg/sq. cm) wrapping closely overhot water pipes chased in wall & wrapped PVC tape over Nitrile rubber. a) 100 mm (4") dia. | MTR | 592 | |
| R3-CS-PS-238-b | Providing & fixing 20 mm thick Thermaflex Polly Ethylene Nitrite rubber (Density 30 kg/sq. cm) wrapping closely overhot water pipes chased in wall & wrapped PVC tape over Nitrile rubber. b) 80 mm (3") dia. | MTR | 500 | |
| R3-CS-PS-238-c | Providing & fixing 20 mm thick Thermaflex Polly Ethylene Nitrite rubber (Density 30 kg/sq. cm) wrapping closely overhot water pipes chased in wall & wrapped PVC tape over Nitrile rubber. c) 65 mm (2 1/2") dia. | MTR | 477 | |
| R3-CS-PS-239-a | Supplying & Fixing & Testing Pressure reducing Valve of Diaphragm type & inbuilt SS strainer type with necessary connectors. a) 75 mm (3") dia. | NOS | 31385 | |
| R3-CS-PS-239-b | Supplying & Fixing & Testing Pressure reducing Valve of Diaphragm type & inbuilt SS strainer type with necessary connectors. b) 65 mm (2 1/2") dia. | NOS | 20921 | |
| R3-CS-PS-239-c | Supplying & Fixing & Testing Pressure reducing Valve of Diaphragm type & inbuilt SS strainer type with necessary connectors. c) 50 mm (2") dia. | NOS | 10631 | |
| R3-CS-PS-240 | PROVIDING & FIXING 40MM PRESSURE REDUCING VALVE ON DOWN TAKE WATER SUPPLY PIPES (Diaphragm type with inbuilt ss strainer) | NOS | 7616 | |
| R3-CS-PS-241 | PROVIDING & FIXING 32MM PRESSURE REDUCING VALVE ON DOWN TAKE WATER SUPPLY (Diaphragm type with inbuilt ss strainer) | NOS | 6322 | |
| R3-CS-PS-242 | PROVIDING & FIXING 25MM PRESSURE REDUCING VALVE ON DOWN TAKE WATER SUPPLY | NOS | 4909 | |
| R3-CS-PS-243 | P/F white wall hung WC hindware with necessary cantilever/chair bracket with nut bolt etc. complete directed by EIC..(White color Wall Hung EWC Model No. 20024 OR consider equivalent make | NOS | 11610 | |
| R3-CS-PS-244 | Providing and fixing JAQUAR MAKE metropole flush valve Dual Flow Concealed type with control cock operation plate 40 mm size etc. Complete | NOS | 7588 | |



Plumbing and Sanitation

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| R3-CS-PS-245 | Providing and fixing in position Hindware make Indian style WC pan including making inlet/outlet connections and consists of the following i) White colour Orissa pan 580 x 440 mm size open rim of approved make, ii) Porcelain P or S trap with vent pipe, iii) 100 dia C.I. connector pipe from P or S trap to the junction of soil stack on external face of building.etc. complete.(White color Orissa WC Model No. 20004). OR consider equivalent make. | NOS | 3907 | |
| R3-CS-PS-246 | Supplying & Fixing Hindware make flat back Urinal rear inlet with urinal flush valve of Jaquar make including CP SS dome shaped grating C.P. west coupling, CP spreader, CP 'P' trap.(Urinal White color Model no.60002, Jaquar Make Push Type Valve Cat.No.PRS-077 OR consider equivalent make) | NOS | 8985 | |
| R3-CS-PS-247 | Providing and fixing JAQUAR MAKE, PRESSMATIC Taps Model No. 031 Pillarcock Auto closing system etc complete | NOS | 2840 | |
| R3-CS-PS-248 | White Vitreous China of 'Hindustan & Parryware' make or equivalent under counter type Oval wash basin of size 550 x 480mm with CI brackets suitable for mounting below granite counter including waste fitting with CP brass bottle trap, angle valve with CP connection etc as specified. Oval Wash Basin Model No.10051 OR consider equivalent make.) | NOS | 7702 | |
| R3-CS-PS-249 | Providing and fixing heavy ISI marked single lever concealed diverter for bath & shower system Rain shower & its accessories. (Mixer Cat. No. CON- 421 Jaquar make OR consider equivalent make) | NOS | 11014 | |
| R3-CS-PS-250 | P/f Jaquar make shower, necessary accessories shower arm with flange continental series sr. no. 483 | NOS | 1770 | |
| R3-CS-PS-251 | P/f Hindustan make white glazed earthen ware, wash basin constallation model (10032) of 55cmx43cm OR consider equivalent make | NOS | 4828 | |
| R3-CS-PS-252 | Providing and fixing stainless steel sink 600 mm x 450 mm and 200mmdeep including 32mm dia. galvanised iron waste pipe, 32mm dia. C.P.brass waste coupling, one C.P. brass screw down tap, caste ironbrackets, rubber plugs with chain etc. complete. | NOS | 8531 | |
| R3-CS-PS-253 | Providing and fixing JAQUAR MAKE, ORNAMIX Model No. 10011 Single Lever Basin Mixer without POPUP waste system with 450mm long copper pipes & Brass nuts etc complete | NOS | 6047 | |
| R3-CS-PS-254 | Providing and fixing JAQUAR MAKE, HOTELIER series Model No. 1551 Toilet Paper Holder Recessed type (S.Steel) including cutting and making good the wall wherever required etc complete | NOS | 1690 | |
| R3-CS-PS-255 | Supply of Sink Mixer - Jaquar note:- J shape spout with wall flange of heavy duty Jaquar make (Wall mounted). (Sink cock with J shape spout Cat. No. FLR-5309N OR consider equivalent make) | NOS | 5237 | |
| R3-CS-PS-256 | Providing and fixing JAQUAR MAKE, CONTINENTAL Model No. 1121 Towel ring including cutting and making good the wall wherever required etc complete | NOS | 1558 | |
| R3-CS-PS-257 | Providing and fixing GLITTERS MAKE, SLOPE series Robe hook etc complete | NOS | 914 | |
| R3-CS-PS-258 | Providing and fixing GLITTERS MAKE, SLOPE series Towel Rack etc complete | NOS | 1770 | |
| R3-CS-PS-259 | Providing & Fixing 100mm diameter Nahani trap Jali in steel finish with necessary fixing required to make the item well functional. | NOS | 437 | |
| R3-CS-PS-260 | Providing & fixing in position 'Jaquar Continental' make CP Jet Spray with flexible CP supply pipe, and all other accessories, complete | NOS | 2253 | |
| R3-CS-PS-261 | Providing and fixing ISI marked make CP brass liquid soap dispensers with CP brass bracket capacity 250 ml. | NOS | 2748 | |



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| R3-CS-PS-262 | Providing & fixing chromium plated 32mm Jaguar make Series allied modelno. ALD-769 B Bottle trap (with internal partition) for Wash Basins including Waste Coupling fixed in required position with 250mm long wall connection pipes and wall flange with all necessary fittings and fixtures, etc. complete and as directed by The Engineer incharge. | NOS | 2334 | |
| R3-CS-PS-263 | WASTE COUPLING :JAQUAR : NO. 705 (FULL THREAD) | NOS | 805 | |
| R3-CS-PS-264 | Providing & fixing 2-way Bib cock JAQUAR MAKE, ORNAMIX Model No. 10041 etc. complete. | NOS | 2483 | |
| R3-CS-PS-265 | Providing and fixing brass CP angle cock for mini geyser of Metro, seiko or other equivalent approved make. | NOS | 885 | |
| R3-CS-PS-266 | Providing and fixing online filter of 200 mm dia three layer PPR pipe PN.10(SDR11) class including filter media of graded sand of size 4.75 mm to 12.00mm with synthetic/noncorrosive metallic mesh with necessary bracketing with 160 mm dia pvc ball valve, 2 nos of 100 dia pvc ball valves for backwash with 2 nos of plastic 'O' joint to facilitate separation of filter assembly for maintenance with all necessary fitting such as reducer, tees, fitting necessary fasteners etc. complete directed. | NOS | 413970 | |
| R3-CS-PS-267 | Providing & fixing in any position 160mm dia PVC ball valve with all required fitting & Labour for rain water downtake pipe for the purpose of first flush. (For 1st flush Valve) | NOS | 16095 | |
| R3-CS-PS-268 | Supplying and installing cast iron Butterfly valves PN 16 complete with both sides including flanges on receiving pipes with nuts, bolts, 1.5mm thick compressed asbestos gasket insertion as required. 100 mm dia. | NOS | 5839 | |
| R3-CS-PS-269-a | 1277-4 including cutting masonry or walls, etc. wherever necessary for making connections, Supplying & Fixing the pipe to Ceiling, including spare socket, scaffolding wherever necessary, painting the exposed faces with suitable anticorrosive paint and 2 coats of oil paint recommended by the Architect / Consultant. (Ground Flr Header) 150 mm dia | MTR | 2914 | |
| R3-CS-PS-269-b | 1277-4 including cutting masonry or walls, etc. wherever necessary for making connections, Supplying & Fixing the pipe to Ceiling, including spare socket, scaffolding wherever necessary, painting the exposed faces with suitable anticorrosive paint and 2 coats of oil paint recommended by the Architect / Consultant. (Ground Flr Header) 200 mm dia | MTR | 3731 | |
| R3-CS-PS-270-a | Supplying & Fixing & jointing with cast iron fitting such as Bends, Tees, Cross, Wye, etc. of required degree with access door with stainless steel coupling with EPDM rubber gasket jointing as per DIN-19543, ASTM C 1277-4. 150 mm dia | NOS | 4083 | |
| R3-CS-PS-270-b | Supplying & Fixing & jointing with cast iron fitting such as Bends, Tees, Cross, Wye, etc. of required degree with access door with stainless steel coupling with EPDM rubber gasket jointing as per DIN-19543, ASTM C 1277-4. 200 mm dia | NOS | 4522 | |
| R3-CS-PS-271 | Providing and fixing online filter of 200 mm dia three layer PPR pipe PN.10(SDR11) class including filter media of graded sand of size 4.75 mm to 12.00mm with synthetic/noncorrosive metallic mesh with necessary bracketing with 160 mm dia pvc ball valve, 2 nos of 100 dia pvc ball valves for backwash with 2 nos of plastic 'O' joint to facilitate separation of filter assembly for maintenance with all necessary fitting such as reducer, tees, fitting necessary fasteners etc. complete directed. Collection Tank (6 x 6 x 4 m) (Included in civil tender) | NOS | 413970 | |
| R3-CS-PS-272 | Providing & fixing in any position 160mm dia PVC ball valve with all required fitting & Labour for rain water downtake pipe for the purpose of first flush. (For 1st flush Valve) | NOS | 4427 | |

Plumbing and Sanitation

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| R3-CS-PS-273 | Providing & fixing of CI wafer type butterfly valve (suitable for testpressure of 15 kg / sqm) with flanges, nut bolts, gaskets and necessary pad locking arrangement complete required. - 200 mm dia | NOS | 20499 | |
| R3-CS-PS-274 | Providing & fixing C.I. Manhole covers with frames / rings for R.C.C., underground water storage tanks, sizes of covers. (600mm dia.) NOTE:-should be provided with locking arrangement | NOS | 4987 | |
| R3-CS-PS-281-a | Providing and fixing ball Cock (brass) of approved quality, High pressure, with plastic floats complete 50 mm (2') dia. | NOS | 6719 | |
| R3-CS-PS-281-b | Providing and fixing ball Cock (brass) of approved quality, High pressure, with plastic floats complete 40 mm (1 1/2") dia | NOS | 5030 | |
| R3-CS-PS-282 | Providing and fixing single acting air release valve with Screwed inlet 25mm dia | NOS | 1609 | |
| R3-CS-PS-283 | Supporting and installing cast iron dual plate wafer type PN 16 double flanged type non-return valve including nuts bolts 1.6 mm thick compressed asbestos gasket including matching flanges complete. 100 mm dia | NOS | 9254 | |
| R3-CS-PS-284 | Supporting and installing cast iron dual plate wafer type PN 16 double flanged type non-return valve including nuts bolts 1.6 mm thick compressed asbestos gasket including matching flanges complete. 65 mm dia | NOS | 6437 | |
| R3-CS-PS-285 | Providing & fixing of CI wafer type butterfly valve (suitable for testpressure of 15 kg / sqm) with flanges, nut bolts, gaskets and necessary pad locking arrangement complete required. - 200 mm dia | NOS | 20499 | |
| R3-CS-PS-286 | Supplying, Installing, testing and commissioning CI butterfly valves (PN 16) slim seal standard lever operated type conforming to IS 13039 with required flanges, nuts, bolts etc. complete. - 150 mm dia. | NOS | 8691 | |
| R3-CS-PS-287 | Supplying and installing cast iron Butterfly valves PN 16 complete with both sides including flanges on receiving pipes with nuts, bolts, 1.5mm thick compressed asbestos gasket insertion as required. 100 mm dia. | NOS | 5838 | |
| R3-CS-PS-288 | Supplying and installing cast iron Butterfly valves PN 16 complete with both sides including flanges on receiving pipes with nuts, bolts, 1.5mm thick compressed asbestos gasket insertion as required. 80 mm dia. | NOS | 4747 | |
| R3-CS-PS-289 | Supplying and installing cast iron Butterfly valves PN 16 complete with both sides including flanges on receiving pipes with nuts, bolts, 1.5mm thick compressed asbestos gasket insertion as required. 65 mm dia. | NOS | 4431 | |
| R3-CS-PS-290 | PROVIDING & FIXING 40MM PRESSURE REDUCING VALVE ON DOWN TAKE WATER SUPPLY PIPES (Diaphragm type with inbuilt ss strainer) | NOS | 7616 | |
| R3-CS-PS-291 | PROVIDING & FIXING 32MM PRESSURE REDUCING VALVE ON DOWN TAKE WATER SUPPLY (Diaphragm type with inbuilt ss strainer) | NOS | 6322 | |
| R3-CS-PS-292 | PROVIDING & FIXING 25MM PRESSURE REDUCING VALVE ON DOWN TAKE WATER SUPPLY | NOS | 4909 | |
| R3-CS-PS-293 | Providing and fixing JAQUAR MAKE metropole flush valve Dual Flow Concealed type with control cock operation plate 40 mm size etc. Complete | NOS | 7588 | |
| R3-CS-PS-294 | Providing and fixing JAQUAR MAKE, PRESSMATIC Taps Model No. 031 Pillar cock Auto closing system etc complete | NOS | 2840 | |
| R3-CS-PS-295 | White Vitreous China of 'Hindustan & Parryware' make or equivalent under counter type Oval wash basin of size 550 x 480mm with CI brackets suitable for mounting below granite counter including waste fitting with CP brass bottle trap, angle valve with CP connection etc as specified. Oval Wash Basin Model No. 10051 OR consider equivalent make.) | NOS | 9112 | |

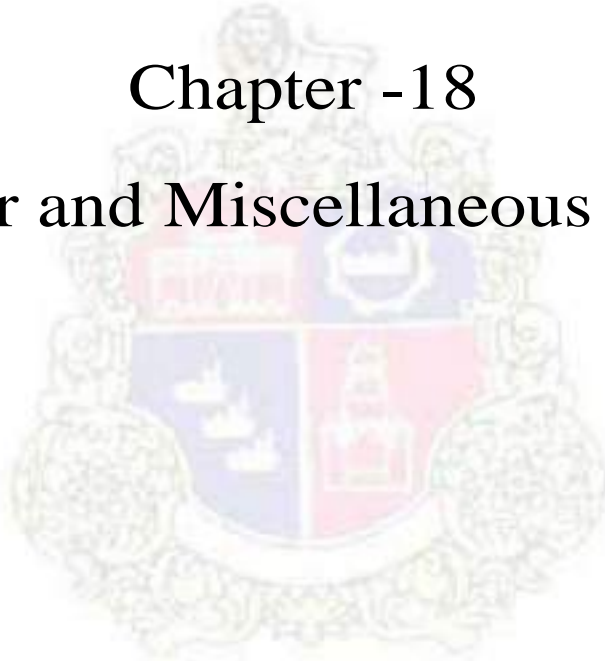


Plumbing and Sanitation

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| R3-CS-PS-296 | Providing and fixing heavy ISI marked single lever concealed diverter for bath & shower system Rain shower & its accessories. (Mixer Cat. No. CON- 421 Jaquar make OR consider equivalent make) | NOS | 11014 | |
| R3-CS-PS-297 | P/F Jaquar make shower, necessary accessories shower arm with flange continental series sr. no. 483 | NOS | 1770 | |
| R3-CS-PS-298 | Providing and fixing JAQUAR MAKE, ORNAMIX Model No. 10011 Single Lever Basin Mixer without POPUP waste system with 450mm long copper pipes & Brass nuts etc complete | NOS | 6047 | |
| R3-CS-PS-299 | Supply of Sink Mixer - Jaquar note:- J shape spout with wall flange of heavy duty Jaquar make (Wall mounted). (Sink cock with J shape spout Cat. No. FLR-5309N OR consider equivalent make) | NOS | 5242 | |
| R3-CS-PS-300 | Providing & fixing in position 'Jaquar Continental' make CP Jet Spray with flexible CP supply pipe, and all other accessories, complete | NOS | 2253 | |
| R3-CS-PS-301 | Providing & fixing chromium plated 32mm Jaguar make Series allied model no. ALD-769 B Bottle trap (with internal partition) for Wash Basins including Waste Coupling fixed in required position with 250mm long wall connection pipes and wall flange with all necessary fittings and fixtures, etc. complete and as directed by The Engineer incharge. | NOS | 2334 | |
| R3-CS-PS-302 | Providing & fixing 2-way Bib cock JAQUAR MAKE, ORNAMIX Model No. 10041 etc. complete. | NOS | 2483 | |
| R3-CS-PS-303 | Providing and fixing brass CP angle cock for mini geyser of Metro, seiko or other equivalent approved make. | NOS | 885 | |

Chapter -18

Repair and Miscellaneous work



Repair Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) |
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| R3-CS-RM | REPAIR WORKS | | |
| R3-CS-RM-1 | Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. meters and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50metres lead : | | |
| | With cement mortar 1:4 (1 cement : 4 fine sand). | Sqm | 425 |
| R3-CS-RM-2 | Removing and refixing frame and shutters in existing opening including embedding frames in floors or walls cutting masonry for holdfasts, embedding hold fasts in cement concrete blocks of size 15 x 10 x 10 cm with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size), painting two coats of approved wood preservative to sides of chowkhats and making good the damages to walls and floors as required complete including disposal of rubbish to the dumping ground within 50 meters lead : | | |
| R3-CS-RM-2-a | Door frame along with shutters | each | 1,327 |
| R3-CS-RM-2-b | Window frame along with shutters | each | 849 |
| R3-CS-RM-2-c | Clerestory window chowkhats along with shutters | each | 632 |
| R3-CS-RM-3 | Refixing frame in existing opening in brick / RCC wall with dash fasteners/ Chemical fasteners of appropriate size (3 nos on each vertical member of door frame and 2 nos. on each vertical member of window frame) including Cost of dash fasteners/ chemical fastener. | each | 194 |
| R3-CS-RM-4 | Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground for door/ window/ clerestory window. | Sqm | 946 |
| R3-CS-RM-5 | Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: | | |
| R3-CS-RM-5-a | Float glass panes of thickness 4 mm | Sqm | 607 |
| R3-CS-RM-5-b | Float glass panes of thickness 5.5 mm | Sqm | 1,046 |
| R3-CS-RM-6 | Renewing glass panes, with wooden fillets wherever necessary: | | |
| R3-CS-RM-6-a | Float glass panes of thickness 4 mm | Sqm | 968 |
| R3-CS-RM-6-b | Float glass panes of thickness 5.5 mm | Sqm | 1,407 |
| R3-CS-RM-7 | Renewing glass panes and refixing existing wooden fillets: | | |
| R3-CS-RM-7-a | Float glass panes of thickness 4 mm | Sqm | 716 |
| R3-CS-RM-7-b | Float glass panes of thickness 5.5 mm | Sqm | 1,155 |
| R3-CS-RM-8 | Supplying and fixing new wooden fillets wherever necessary: | | |
| | 2nd class teak wood fillets | Rmt | 53 |
| R3-CS-RM-9 | Renewal of old putty of glass panes (length) | Rmt | 42 |
| R3-CS-RM-10 | Refixing old glass panes with putty and nails | Sqm | 541 |
| R3-CS-RM-11 | Fixing old glass panes with wooden fillets (excluding cost of fillets) | Sqm | 516 |
| | Note: - This item to be used for all types of glass panes transparent, opaque, frosted, plain, wire reinforced, carvings, coloured, etc | | |



Repair Works

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| R3-CS-RM-12 | Providing and fixing 16 mm M.S. Fan clamps of standard shape and size in existing R.C.C. slab including cutting chase, anchoring clamp to reinforcement bar, including cleaning, refilling, making good the chase with matching concrete, plastering and painting the exposed portion of the clamps complete. | each | 852 |
| R3-CS-RM-13 | Renewing wooden battens in roofs, including making good the holes in wall and painting with oil type wood preservative of approved brand and manufacture complete including removal of rubbish to the dumping ground within 50 metres lead :Sal wood battens. | Cum | 34,841 |
| R3-CS-RM-14 | Renewing wooden beams in roofs including making good the holes in walls and painting with oil type wood preservative of approved brand and manufacture complete including removal of rubbish to the dumping ground within 50 metres lead : | | |
| R3-CS-RM-14-a | Not exceeding 4.00 metres in length. | | |
| | Sal wood beams | Cum | 38,883 |
| R3-CS-RM-14-b | Above 4.00 metres and upto 5.00 metres length. | | |
| | Sal wood beams | Cum | 40,789 |
| R3-CS-RM-15 | Raking out joints in lime or cement mortar and preparing the surface for re-pointing or replastering including disposal of rubbish to the dumping ground within 50 metres lead. | Sqm | 53 |
| R3-CS-RM-16 | Removing wind ties from roof including cutting out rusted bolts, nuts etc. and removing materials to any distance within compound and stacking. | kg | 4 |
| R3-CS-RM-17 | Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like. | Shift | 1,912 |
| R3-CS-RM-18 | Mud mortar made with local clay good earth. | Cum | 1,874 |
| R3-CS-RM-19 | Brick work with common burnt clay bricks of class designation 3.5 in mud mortar | Cum | 7,837 |
| R3-CS-RM-20 | Providing and fixing 25 mm thick shutters for cup boardetc. : | | |
| R3-CS-RM-20-a | Panelled or panelled & glazed shutters : | | |
| | Ist class teak wood including nickel plated bright finished M.S. piano hinges with necessary screws. | Sqm | 4,413 |
| R3-CS-RM-20-b | Glazed shutters : | | |
| | Ist class teak wood including nickel plated bright finished M.S. piano hinges with necessary screws. | Sqm | 4,325 |
| R3-CS-RM-21 | Providing and fixing M.S. round or square bars with M.S. flats at required spacing in wooden frames of windows and clerestory windows. | kg | 107 |
| R3-CS-RM-22 | Providing and fixing bright finished brass single acting spring hinges with necessary brass screws etc. complete : | | |
| R3-CS-RM-22-a | 150 mm | each | 490 |
| R3-CS-RM-22-b | 125 mm | each | 484 |
| R3-CS-RM-22-c | 100 mm | each | 368 |
| R3-CS-RM-23 | Providing and fixing bright finished brass double acting spring hinges with necessary brass screws etc. complete : | | |
| R3-CS-RM-23-a | 150 mm | each | 812 |



Repair Works

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| R3-CS-RM-23-b | 125 mm | each | 559 |
| R3-CS-RM-23-c | 100 mm | each | 506 |
| R3-CS-RM-24 | Providing and fixing bright finished brass flush bolts with necessary brass screws etc. complete : | | |
| R3-CS-RM-24-a | 250 mm | each | 319 |
| R3-CS-RM-24-b | 150 mm | each | 201 |
| R3-CS-RM-24-c | 100 mm | each | 155 |
| R3-CS-RM-25 | Providing and fixing 150 mm bright finished floor brass door stopper with rubber cushion, necessary brass screws etc. to suit shutter thickness complete | each | 144 |
| R3-CS-RM-26 | Providing and fixing bright finished brass hard drawn hooks and eyes : | | |
| R3-CS-RM-26-a | 300 mm | each | 38 |
| R3-CS-RM-26-b | 250 mm | each | 28 |
| R3-CS-RM-26-c | 200 mm | each | 16 |
| R3-CS-RM-26-d | 150 mm | each | 14 |
| R3-CS-RM-26-e | 100 mm | each | 12 |
| R3-CS-RM-27 | Providing and fixing bright finished brass fan light pivot with necessary brass screws etc. complete. | each | 48 |
| R3-CS-RM-28 | Providing and fixing 300 mm long bright finished brass chain with hook for fan light including necessary brass screws etc. complete. | each | 289 |
| R3-CS-RM-29 | Providing and fixing bright finished brass quadrant stay 300mm long with necessary brass screws etc. complete. | each | 89 |
| R3-CS-RM-30 | Providing and fixing bright finished brass helical door spring (superior quality). | each | 130 |
| R3-CS-RM-31 | Providing and fixing chromium plated brass butt hinges with necessary chromium plated brass screws etc. complete. | | |
| R3-CS-RM-31-a | 125x70x4 mm (ordinary type) | each | 94 |
| R3-CS-RM-31-b | 100x70x4 mm (ordinary type) | each | 72 |
| R3-CS-RM-31-c | 75x65x4 mm (heavy type) | each | 57 |
| R3-CS-RM-31-d | 75x40x2.5 mm (ordinary type) | each | 55 |
| R3-CS-RM-31-e | 50x40x2.5 mm (ordinary type) | each | 21 |
| R3-CS-RM-32 | Providing and fixing 85x42mm chromium plated brass pull bolt lock with necessary chromium plated brass screws, nuts, bolts and washers etc. complete. | each | 356 |
| R3-CS-RM-33 | White washing with lime to give an even shade : | | |
| R3-CS-RM-33-a | Old work (two or more coats) | each | 16 |
| R3-CS-RM-33-b | Old work (one or more coats) | each | 10 |
| R3-CS-RM-34 | Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete | Sqm | 14 |
| R3-CS-RM-35 | Distemping with dry distemper of approved brand and manufacture (one or more coats) and of required shade on old work to give an even shade. | Sqm | 51 |
| R3-CS-RM-36 | Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade :Old work (one or more coats) Chromium plated Brass pull bolt lock (locking bolt) of size 85 mmx42mm with screws, bolt | Sqm | 53 |



Repair Works

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| R3-CS-RM-37 | Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete. | Sqm | 18 |
| R3-CS-RM-38 | Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Old work (one or more coats) | Sqm | 80 |
| R3-CS-RM-39 | Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture over and including a priming coat of ready mixed zinc chromate yellow primer on new work :75 mm diameter pipes | Rmt | 40 |
| R3-CS-RM-40 | Painting (one or more coats) on rain water, soil, waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture on old work : | | |
| R3-CS-RM-40-a | 75 mm diameter pipes | Rmt | 18 |
| R3-CS-RM-40-b | 100 mm diameter pipes | Rmt | 24 |
| R3-CS-RM-40-c | 150 mm diameter pipes | Rmt | 36 |
| R3-CS-RM-41 | Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with aluminium paint of approved brand and manufacture over a priming coat of ready mixed zinc chromate yellow primer on new work : | | |
| R3-CS-RM-41-a | 75 mm diameter pipes | Rmt | 42 |
| R3-CS-RM-41-b | 100 mm diameter pipes | Rmt | 58 |
| R3-CS-RM-41-c | 150 mm diameter pipes | Rmt | 86 |
| R3-CS-RM-42 | Painting (one or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture and required colour on old work : | | |
| R3-CS-RM-42-a | 75 mm diameter pipes | Rmt | 20 |
| R3-CS-RM-42-b | 100 mm diameter pipes | Rmt | 25 |
| R3-CS-RM-42-c | 150 mm diameter pipes | Rmt | 37 |
| R3-CS-RM-43 | Painting with oil type wood preservative of approved brand and manufacture :Old work (one or more coats) | Sqm | 29 |
| R3-CS-RM-44 | Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade :One or more coats on old work. | Sqm | 88 |
| R3-CS-RM-45 | Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :One or more coats on old work. | Sqm | 78 |
| R3-CS-RM-46 | Painting with aluminium paint of approved brand and manufacture to give an even shade :One or more coats on old work. | Sqm | 76 |
| R3-CS-RM-47 | Painting with acid proof paint of approved brand and manufacture of required colour to give an even shade :One or more coats on old work. | Sqm | 83 |
| R3-CS-RM-48 | Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade :One or more coats on old work. | Sqm | 71 |
| R3-CS-RM-49 | French spirit polishing :One or more coats on old work. | Sqm | 192 |



Repair Works

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| R3-CS-RM-50 | Polishing on wood work with ready made wax polish of approved brand and manufacture :Old work | Sqm | 79 |
| R3-CS-RM-51 | Re-lettering with black Japan paint of approved brand and manufacture. | Per letter per cm height | 3 |
| R3-CS-RM-52 | Painting (one or more coats) with black Japan paint of approved brand and manufacture to give an even shade. | Sqm | 76 |
| R3-CS-RM-53 | Providing and fixing C.P. brass chain and rubber plug complete for sink or wash basin : | | |
| R3-CS-RM-53-a | 32 mm dia | each | 107 |
| R3-CS-RM-53-b | 40 mm dia | each | 219 |
| R3-CS-RM-54 | Distemping with 1st quality acrylic washable distemper (ready made) of approved manufacturer and of required shade and colour complete. as per manufacturer's specification.One or more coats on old work. | Sqm | 45 |
| R3-CS-RM-56 | Finishing walls with water proofing cement paint of required shade : | | |
| R3-CS-RM-56-a | Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of primer applied @ 0.80 litres/10 sqm complete including cost of Priming coat. | Sqm | 94 |
| R3-CS-RM-56-b | Old work (one or more coats @ 2.20 kg/10 sqm) complete. | Sqm | 65 |
| R3-CS-RM-57 | Finishing walls with textured exterior paint of required shade : | | |
| R3-CS-RM-57-a | Old work (Two or more coats on existing cement paint surface applied @ 3.28 ltr/10 sqm. | Sqm | 132 |
| R3-CS-RM-57-b | Old work (One or more coats) applied @ 1.82 ltr/10 sqm. | Sqm | 85 |
| R3-CS-RM-58 | Finishing walls with Acrylic Smooth exterior paint of required shade : | | |
| R3-CS-RM-58-a | Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface). | Sqm | 125 |
| R3-CS-RM-58-b | Old work (One or more coat applied @ 0.90 ltr/10 sqm). | Sqm | 80 |
| R3-CS-RM-59 | Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade | | |
| R3-CS-RM-59-a | Old work (Two or more coats applied @ 1.43 ltr/ 10 sqm) over existing cement paint surface. | Sqm | 103 |
| R3-CS-RM-59-b | Old work (one or more coats applied @ 0.83 ltr/10 sqm). | Sqm | 69 |
| R3-CS-RM-60 | Varnishing with varnish of approved brand and manufacture: | | |
| R3-CS-RM-60-a | One or more coats with copal varnish. | Sqm | 80 |
| R3-CS-RM-60-b | One or more coats with spar varnish. | Sqm | 81 |
| R3-CS-RM-61 | Melamine polishing on wood work (one or more coat). | Sqm | 106 |
| R3-CS-RM-62 | Varnishing with flatting varnish of approved brand and manufacture one or more coats on old work. | Sqm | 78 |
| R3-CS-RM-63 | Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40mm dia. M.S. tube 1.5 m centre to centre horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it thereafter.The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge .The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding. | Sqm | Refer Heritage work (R3-CS-CH-2) |



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| | Note: - This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done. | | |
| R3-CS-RM-64 | Providing and fixing bright finished brass casement window fasteners or peg stays to windows/ ventilators with necessary welding and machine screws etc. complete. | kg | 135 |
| R3-CS-RM-65 | Providing and fixing 14 mm bright finished brass spring catch to steel centre hung ventilators with necessary welding and machine screws etc. complete. | each | 199 |
| R3-CS-RM-66 | Providing and fixing in vertical position telescopic M.S.prop under deflected beam/lintel/slab/chajjas by using teak wood battens of size 1000 x 80 x 80 for packing between prop plate and the beam/lintel/slab/chajjas bottom surface as per the directions of engineer-in-charge | each | 1,854 |
| R3-CS-RM-67 | Providing and fixing in vertical position two telescopic M.S. prop spanning upto 1.5m under deflected beam/lintel/slab/chajjas by using teak wood battens of size 2000 x 150 x 40 for packing between prop plate and the beam/lintel/slab/chajjas bottom surface. Also tied with M.S.tube transom of 40mm dia as per the directions of engineer-in-charge. | each | 4,466 |
| R3-CS-RM-68 | Preparing jogging track (conventional method) by providing & laying murum & brick bats in proportion (60%+ 40%) by volume resp. consolidated together to the total finished thk. 200 mm & rolling 100 mm layer in two stages with power roller weighing not less than 3 tonnes including excavation upto 300mm depth & laying of dry rubble stone packing 150mm thk. as base course, hand set in regular lines, interstices being filled with small pieces of stones, thoroughly rammed, layer of 50mm screened sand above soling, consolidated and watered complete by protecting the track surface at edges on both sides by providing vertical bricks as directed by engineer including 4" dia. PVC pipe to be laid across the track at every 10 Mtr. intervals etc. complete. | Sqm | 989 |
| R3-CS-RM-69 | Supplying and installing jogging track (EPDM granules method) terracotta made of two layered water permeable all weather material of 2mm sprayed coat top with EPDM (Ethylene Propylene Diene Monomer) granules on 12mm in-situ polyurethane bonded rubber granulate sub-base layer of longer life and better UV resistance laid on IPS/PCC surface free from paint, wax, grease, oil, dust and dirt. The item includes cost of material, cleaning the IPS/PCC surface before installation and installation of the 2 layered track with proper slopes. Preparation of IPS/PCC will be paid separately under relevant items. | Sqm | 2,627 |
| R3-CS-RM-70 | Providing and maintaining Barricading on the site 2.5 m high by using MS Pipes or angle iron frame work of verticals at 3 m c/c and horizontals at 0.90 m c/c, Galvalume sheets, Struts, MS Clamps, etc. The verticals shall be embedded/ fixed to concrete pedestals below ground. The rate to include fabricating, cutting and fixing in position MS frame work, painting the same with two coats of approved anti rust paint, etc complete. Contractor to get structural design approved by the Engineer. Contractor shall remove and take away the barricading at his own cost on completion of the works. | Rmt | 2,793 |



Repair Works

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| R3-CS-RM-71 | Providing and maintaining Barricading on the site 5 m high by using MS Pipes or angle iron frame work of verticals at 3 m c/c and horizontals at 0.90 m c/c, Galvalume sheets, Struts, MS Clamps, etc. The verticals shall be embedded/ fixed to concrete pedestals below ground. The rate to include fabricating, cutting and fixing in position MS frame work, painting the same with two coats of approved anti rust paint, etc complete. Contractor to get structural design approved by the Engineer. Contractor shall remove and take away the barricading at his own cost on completion of the works. | Rmt | 5,438 |
| R3-CS-RM-72 | To carry out total station survey of open plot with reference to existing co-ordinate system by establishing control stations by establishing temporary bench mark from permanent bench mark, marking the traverse on open plot by nails, carrying out detailed levelling at a longitudinal and lateral interval of 10m(i.e. forming grid of 10mx10m), plotting cross sections, cross distance, preparing drawings on Auto cad to the scale of 1:500, mentioning all the dimensions on the plan,super imposing CTS plan/DP remarks/demarcation plan and supplying 3 hard copies and 1 soft copy in C.D. form.. etc. | upto 1000 Sqm | 61,525 |
| R3-CS-RM-73 | --do-- for every additional 1000sqm area or part thereof | each 1000 Sqm | 30,188 |
| R3-CS-RM-74 | To carry out total station survey of encroached plot with obstructions like slum or group of buildings reference to existing co-ordinate system by establishing control stations by establishing temporary bench mark from permanent bench mark, marking the traverse on open plot by nails, carrying out detailed levelling at a longitudinal and lateral interval of 10m(i.e. forming grid of 10mx10m) marking the existing structures on the plan and computation of built up area under each structure and presenting in tabular format on the plan, plotting cross sections, cross distance, preparing drawings on Auto cad to the scale of 1:500, mentioning all the dimensions on the plan, super imposing CTS plan/DP remarks/demarcation plan and supplying 3 hard copies and 1 soft copy in C.D. form.. etc. | upto 1000 Sqm | 73,945 |
| R3-CS-RM-75 | --do-- for every additional 1000sqm area or part thereof | each 1000 Sqm | 36,398 |
| R3-CS-RM-76 | Refixing C.I. and UPVC vent , soil, waste and rain water pipe of any size including cleaning and making good masonry of walls cornices etc. before fixing including fitting such as W.I. clamps, accessories of approved make with scaffolding etc. complete. | Rmt | 182 |
| R3-CS-RM-77 | Refixing Teak wood plank, eaves plate or barge board any thickness at any height. | Sqm | 369 |
| R3-CS-RM-78 | Refixing C. I. spiral staircase of any size with Balusters, Hand Rail, landing, newel post etc., complete including two coats of painting. | Step | 88 |
| R3-CS-RM-79 | Refixing galvanised iron ridges and hips any size with necessary bolts and nuts. | Rmt | 28 |
| R3-CS-RM-80 | Refixing C. I. frame and cover (any size or shape) in C. S. (1 : 2) & Sand filleting | each | 101 |



Repair Works

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| R3-CS-RM-81 | Refixing rafters, principal hips, ridges, purlins and post with plates with new nails, screws, bolts etc., including cutting and notching | Rmt | 22 |
| R3-CS-RM-82 | Removing C. I. gratings of any size from the existing terrace including plugging the holes in masonry with 1:2:4 c.c. and refixing the same in the new terrace etc. complete. | Nos | 81 |
| R3-CS-RM-83 | Removing & refixing existing steel casement windows of any type and repairing / replacing the damaged members, making good the damaged brick work etc. complete including painting. | Sqm | 852 |
| R3-CS-RM-84 | Refixing the compound gate with necessary fixtures and fastening if required, including 3 coats of painting etc., complete. | Each | 343 |
| R3-CS-RM-85 | Refixing teakwood, C. I. sheet or plywood partition including frame-work with two coats of approved paint in any colour. | Sqm | 133 |
| R3-CS-RM-86 | Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonals interwoven with horizontal wires, of G.I. barbed wire weighing 9.38 kg per 100 m (minimum), between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Cost of angle posts, struts, earth work and concrete work to be paid for separately) :- Payment to be made per metre cost of total length of G.I. barbed wire used. | Rmt | 20 |
| R3-CS-RM-87 | Cement plaster band projecting 25 mm to 30 mm and 75 mm to 100 mm wide on the face, in cement mortar 1c : 4s with chamfered or plain edges, finished to smooth surface. | Rmt | 74 |
| R3-CS-RM-88 | Cement plaster band projecting 25 mm to 30 mm and above 150 mm, upto 200 mm wide on the face, in cement mortar 1c : 4s with chamfered or plain edges, finished to smooth surface. | Rmt | 148 |
| R3-CS-RM-89 | Providing and fixing aluminium kickplate of required width to flush and any door shutter using 24 G aluminium sheet with 3 coats of painting etc. complete. | Sqm | 1,373 |
| R3-CS-RM-90 | Hand polishing of existing Mosaic tiles in Dado of walls using pumice stones, oxalic acid etc., to remove stains and give a glossy surface. (Add Rs. 4.00 sq.m. if the polishing to the existing marble or granite is to be done.) | Sqm | 39 |
| R3-CS-RM-91 | Providing wax polishing to floors and dado, preparing the surface scaffolding etc. complete. | Sqm | 113 |
| R3-CS-RM-92 | Dammering with two coats with dongri cloth etc., complete (Actual area treated will be paid for & rate includes scrapping, cleaning of existing slab/cony type of roof) | Sqm | 132 |
| R3-CS-RM-93 | Providing and laying Bamboo matting as required on site and :is directed for weather shed chajja (b) Bamboo matting Double Bamboo Mats shall be provided and flat area covered by - double matting shall be measured and paid for | Sqm | 112 |



Repair Works

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| R3-CS-RM-95 | Providing & fixing factory made Fibreglass Reinforced plastics (F.R.P.) chajja 4 mm thick of required colour, size and design made by Resin Transfer Moulding (RTM) Machine Technology, resulting in void free compact laminate in single piece, having smooth gradual slope curvature for easy drainage of water and duly reinforced by 2 nos vertically and 1 nos horizontally 50x2 mm thick M.S. flat with 12 mm in built hole for grouting on the existing wall along with the 50 mm flanges duly inserted and sealed in the wall complete in one single piece casted monolithically, including all necessary fittings. The FRP chajja should be manufactured using unsaturated Polyester resin as per IS:6746, duly reinforced with fibre glass chopped stand mat (CSM) as per IS:11551 complete with protective gel coat U/V coating on top for complete resistance from the extreme of temperature, weather and sunlight. | Sqm | 2,271 |
| R3-CS-RM-96 | Providing & fixing composite hot press glass fibre reinforced mosquito proof lid for overhead water storage tank, for prevention of malaria including transport, locking arrangement etc. complete as directed For tank capacity upto 3000 liters. | Each | 4,112 |
| R3-CS-RM-97 | Providing & fixing composite hot press glass fibre reinforced mosquito proof lid for overhead water storage tank, for prevention of malaria including transport, locking arrangement etc. complete as directed For tank capacity above 3000 liters. | Each | 5,309 |
| R3-CS-RM-98 | Providing & constructing Soft board panelling with soft board & fabric. | Sqm | 845 |
| R3-CS-RM-99 | P/F Aluminium composite sheet of 3 mm thick either suspended or fixed bracketed on wall with U.V digital printing at suitable locn including all necessary framework completed as per detailed drawings to be issued during construction & as directed by the engineer. | Sqm | 11,792 |
| R3-CS-RM-100 | Drilling with core cutting machine in RCC slabs, walls etc. wherever required in buildings, manholes, ducts, water tanks, pits etc. for laying pipes, sleeves and making good the same to give an even finish . The rate shall include the cost of drilling core, providing EPOXY based water proofing compound for sealing the joints around the pipes, nominal reinforcement wherever required, scaffolding and labour charges for working at all levels ,leads and heights . (Maximum thickness of RCC members shall be 300mm) and as directed by Engineer-In-Charge. | | |
| | Upto 25mm dia | Each | 158 |
| R3-CS-RM-101 | b) -Do- Above 25mm to 50mm dia | Each | 294 |
| R3-CS-RM-102 | c) Above 50mm to 75mm dia | Each | 393 |
| R3-CS-RM-103 | d) Above 75mm to 100mm dia | Each | 570 |
| R3-CS-RM-104 | e) Above 100mm to 150mm dia | Each | 788 |
| R3-CS-RM-105 | f) Above 150 mm to 200mm dia | Each | 1,218 |
| R3-CS-RM-106 | g) Above 200 mm to 250mm dia | Each | 1,611 |
| R3-CS-RM-106-a | h) Above 250 mm to 300mm dia | Each | 2,175 |



Repair Works

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| R3-CS-RM-107 | Injecting approved low viscous epoxy grout into concrete slab, stone masonry cracks, columns etc. by suitable gun/ pump at required pressures by providing necessary scaffolding, drilling and inserting 12mm dia. Brass grouting multiperforated nipples upto 30mm to 40mm depth, using M Seal, Quartz sand around the nipple, cutting of nipples after curing, cleaning etc. complete. (This item shall be paid on actual consumption of epoxy used in Kgs.) | Kg | 957 |
| R3-CS-RM-108 | Grouting pockets, holes, pipe sleeves of any shape or size for column bases, machine foundations, etc. with ready to use non shrink high strength grout of approved make, as per manufacturer's specifications and instructions/ recommendations, including roughening of surfaces, cleaning with compressed air/ water jets, ramming, curing, etc. complete. | Kg | 225 |
| R3-CS-RM-109 | Providing and fixing in position Curtain rod of aluminium powder coated circular tubular section including the fixing sockets on both sides. | Rmt | 633 |
| R3-CS-RM-110 | Stitching of Curtains for windows and doors and fixing the same with approved fabric and buttons, accessories, etc complete. | Sqm | 253 |
| R3-CS-RM-111 | Supplying and fixing on hiring/rental basis for the interval of six months in vertical position telescopic M.S.prop under deflected beam/lintel/slab/chajjas by using teak wood battens of size 1000 x 80 x 80 for packing between prop plate and the beam/lintel/slab /chajjas bottom surface and dismantling and removing from site when not required as per the directions of engineer-in-charge. | Each | 1,210 |
| R3-CS-RM-112 | Extra and above for item no.CS-RM-111 for every six months then. | Each | 780 |
| R3-CS-RM-113 | Supplying and fixing on hiring/rental basis for the interval of six months in vertical position two telescopic M.S. prop spanning upto 1.5m under deflected beam/lintel/slab/chajjas by using teak wood battens of size 2000 x 150 x 40 for packing between prop plate and the beam/lintel/slab/chajjas bottom surface. Also tied with M.S.tube transom of 40mm dia and dismantling and removing from site when not required as per the directions of engineer-in-charge. | Each | 3,014 |
| R3-CS-RM-114 | Extra and above for item no.CS-RM-113 for every six months then. | Each | 1,989 |
| R3-CS-RM-115 | Providing and installing Diving board of Indian Pine wood or equivalent material in single piece of length 5m and width of 0.5m with spring and coated with aqua coloured thermal curing epoxy resin including grouting of bolts in the RCC pedestal as per the directions of Engineer-in-charge | Each | 29,257 |
| R3-CS-RM-116 | Deleted | | |



Repair Works

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| R3-CS-RM-117 | Providing and constructing discharge ring well of 1.5m dia and depth upto 6m made of RCC pipe collar including excavation and stacking the soil and disposing as per the instructions of engineer-in-charge, pumping of water, lowering the collars by means of lifting tackles and filling with gravels and boulders from outside of the circumference of the collar so as to allow infiltration of ground water inside the well through the gap between the collars. | Each | 1,27,029 |
| R3-CS-RM-118 | Providing and constructing recharge ring well of 1.2m dia and depth upto 6m made of RCC pipe collar including excavation and stacking the soil and disposing as per the instructions of engineer-in-charge, pumping of water, lowering the collars by means of lifting tackles and filling with gravels and boulders from outside of the circumference of the collar so as to allow infiltration of supplied water from inside of the well through the gap between the collars to the ground water aquifer. | Each | 1,12,936 |
| R3-CS-RM-119 | Deleted | | |
| R3-CS-RM-120 | Deleted | | |
| R3-CS-RM-121 | Deleted | | |
| R3-CS-RM-122 | Deleted | | |
| R3-CS-RM-123 | P/F 1.50mm thick SS 304 Kick plates to all surface in approved design with ss screws /araldite with buffing etc. complete | Sq.M. | 7,435 |
| R3-CS-RM-124 | Providing & fixing FULL HEIGHT BOTH SIDE GYPSUM BOARD PARTITION at required location having height more than 2.8 meter & minimum 98 mm thick made by using 50 x 50 mm (finished size) approved quality seasoned TW section framing at 600 mm center to center, covered with 12 mm marine ply generally conforming to I.S.303 / I.S.710-1980 on both sides. The partitions shall be finished with 12.5 mm thk Gypsum Board of approved make with or without grooves as per Architect's drawing. Antitermite treatment to plywood and woodwork, door frame including all leads & lifts etc complete as per Architect's Drawing and instructions of Engineer In Charge. | Sq.M. | 6,164 |
| R3-CS-RM-125 | Providing & fixing FULL HEIGHT BOTH SIDE LAMINATED PARTITION at required location having height more than 2.8 meter & minimum 77 mm thick made by using 50 x 50 mm (finished size) approved quality seasoned TW section framing at 600 mm center to center, covered with 12 mm marine ply generally conforming to I.S.303 / I.S.710-1980 on both sides. The partitions shall be finished with 1.5 mm thk. approved quality laminate matt/suede/fine line finished lamination pattern with grooves on both sides with necessary lipping (BTC) moulding. Antitermite treatment to plywood and woodwork, door frame including all leads & lifts etc complete as per Architect's Drawing and instructions of Engineer In Charge. | Sq.M. | 7,270 |



Repair Works

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| R3-CS-RM-126 | Providing & fixing FULL HEIGHT ONE SIDE LAMINATED ONE SIDE GYPSUM BOARD PARTITION at required location having height more than 2.8 meter & minimum 87 mm thick made by using 50 x 50 mm (finished size) approved quality seasoned TW section framing at 600 mm center to center, covered with 12 mm marine ply generally confirming to I.S.303 / I.S.710-1980 on both sides. The partitions shall be finished with 1.5 mm thk. approved quality laminate matt/suede/fine line finished lamination pattern with grooves on one side & 12.5 mm thk Gypsum Board of approved make with or without grooves as per Architect's drawing & with necessary lipping (BTC) moulding. Antitermite treatment to plywood and woodwork, door frame including all leads & lifts etc complete as per Architect's Drawing and instructions of Engineer In Charge. | Sq.M. | 6,410 |
| R3-CS-RM-127 | Providing & fixing FULL HEIGHT FULLY GLAZED PARTITION at required location having height approx.2.80 meter by using 10 mm thick toughened float glass fixed in 50 mm x 100 mm approved quality seasoned T.W. section at top & bottom rail with necessary lipping (BTC) moulding & fixtures etc. complete. Antitermite treatment to woodwork, door frame & melamine polish to all woodwork including all leads & lifts etc complete as per architects Drawing and instructions of Engineer In Charge. | Sq.M. | 5,531 |
| R3-CS-RM-128 | Providing & Fixing corner guard for columns at parking area size W100 x H800 x 8mm colour: Black with yellow or White Reflective Stickers Body Material: Modified Thermoplastics (Polymer Rubberized) Fixing: Fixed on the wall & corner of columns with six 2" Screws. | Nos. | 818 |
| R3-CS-RM-129 | Making holes in 110 mm to 150 mm brick/concrete/rubble walls for drainage pipes, fittings, etc. and making good the same in cement mortar 1:3 or cement concrete 1:2:4 & finishing on both sides with cement plaster and 3 coats of white or colour wash as directed. | Sq.M. | 225 |
| R3-CS-RM-130 | Providing & fixing stainless steel 20 mm dia, 600 mm long grab bar for physically handicapped toilet etc complete as directed. | Nos. | 1,094 |
| R3-CS-RM-131 | Providing & fixing 1 mm thick laminate to flush doors instead of synthetic enamel painting including all material and labour. | Sq.M. | 1,018 |
| R3-CS-RM-132 | Providing and fixing Speed Breakers of Size 350 W x 500 L x 50 H mm yellow black color as shown in the drawing with necessary fittings & fixtures as directed by EIC. | RMT | 2,765 |
| R3-CS-RM-133 | Providing and installing Nylon net for protection from Birds entry in Entrance Lobby. | Sq.M. | 224 |
| R3-CS-RM-134 | Providing and fixing brush SS vertical corner protection guard along the convex corner edges of the columns, walls, partitions as directed, of the section of size 50mmx50mm, heavy gauge thickness, upto 1320 mm length with SS countersunk screws including making the wall surface good etc. complete. | RMT | 1,571 |



Buildings Schedule/ Common Schedule 2023

Repair Works

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| R3-CS-RM-135 | Providing and fixing Cubical Partition Track System of C-shaped 2.5 m x 3.0 m x 2.5 m having height 2.4 m with polyester curtains & hooks with SS 304 pipe of 30 mm dia. for Horizontal members and 50 mm dia. for vertical members, Base plate of size 150 mm x 150 mm x 6mm including all accessories, etc., complete. | No. | 14,708 |
| R3-CS-RM-136 | Providing and fixing Brass Mosquito proof jali including required jointing material etc complete. | Sq.M. | 1,496 |
| R3-CS-RM-137 | Providing & Fixing frosted film manufactured by 3 M approved equivalent on glass partition wherever required as per the instruction of Architect. | Sq.M. | 1,299 |
| R3-CS-RM-138 | Providing & Fixing First class Teak wood Hand rail Crash Guard of size 140mm x 30 mm thick including all accessories and two coats of Melamine polish using a spray gun, etc. complete. | RMT | 2,427 |
| R3-CS-RM-139 | Providing & Fixing 3mm thick SS 304 Corner Guard of size 45mm x 45mm x 1200mm including all accessories, etc. complete. | Nos. | 1,150 |
| R3-CS-RM-140 | Providing & Fixing in position signage board in aluminium extruded brown anodized section or as approved with letters in vinyl on one or both side covered with acrylic sheet as per approved sample by architect with required fitting, fixtures etc. including all taxes, loading / unloading, transportation, installing etc. all complete. All aluminium components shall be anodised to '101' Bronze colour, 15µm thick, as standard, other colours as approved. Size : 4" x 5". | | |
| R3-CS-RM-140-a | Vinyl on one side covered with acrylic sheet | Sq.In. | 24 |
| R3-CS-RM-140-b | Vinyl on both side covered with acrylic sheet | Sq.In. | 29 |
| R3-CS-RM-141 | Matter / Graphics with polycarbonate sheet on top for protection at suitable locations including necessary fittings and fasteners etc complete and as directed. Size : 7.5" x 12" | Sq.In. | 18 |
| R3-CS-RM-142-a | Providing & Fixing signage made of 15 mm thick solid white acrylic laser cut out letters for height up to 25" etc complete. | R.In. | 491 |
| R3-CS-RM-142-b | Providing & Fixing signage made of 15 mm thick solid white acrylic laser cut out letters for height up to 39" etc complete. | R.In. | 491 |
| R3-CS-RM-143 | Providing & Fixing 15 mm thick solid white acrylic laser cut out BMC Logo etc complete. | Sq.In. | 27 |
| R3-CS-RM-143-a | Deleted | | |

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Repair Works

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| R3-CS-RM-144 | Fabrication, Supply & Installation of MS Portable Cabin on site as per the design drawing provided by the engineer of minimum height 11' and made of following material Top Frame of 50mm X 50mm Specially Formed M.S Square Pipe, bottom frame of 125 mm X 75mm Specially formed M.S. I Beam , 5mm Thick Horizontal Cross Member :- 100mm X 50mm Specially formed M.S. I Beam, 5mm Thick Vertical Cross Member :- 50mm X 50mm Specially Formed M.S Square Pipe Bottom Frame should be painted with Black Japan kind of material. Using 20mm X 40mm Specially Formed M.S Square Pipe as a stiffener for top, for side wall stiffener having 20 mm X 40mm Specially Formed M.S Square Pipe, and side post having 65mm X 65mm Specially Formed M.S Square Pipe. Outside panelling should be done in Specially Corrugated Sheet in Ms. – 1 mm thick (18 guage). For internal wall panelling 8 mm PRELAMINATED BOARD SHEET. SHADE- HIGHLAND PINE with Bidding Patti and L-Patti in Black Coated Aluminium material should be used. (Internal partitions, toilet/bathrooms toilet fittings and accessories to be paid separately) the rate is inclusive of transportation charges, electricity/diesel generator charges.) Detailed specification & drawing are available with the office of Dy.Ch.E.(HIC). | Sq.M. | 23,519 |
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Chapter -19

Conservation of Heritage Structures



Buildings Schedule/ Common Schedule 2023

conservation of Heritage structures

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) | STAR RATING |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|-------------|
| R3-CS-CH-1 | Gently cleaning the surface of stone masonry and piers with specialized water misting techniques employing air water jet using a fine nozzle sprinkling system calibrated to spray fine mist along the stone surface without over wetting followed up by gentle brushing with soft nylon brushes and removing dirt, dust, bird dropping, grease, oil, algae, fungus, monkey beats, vegetable growth etc.as specified. Gentle surface cleaning may include using water misting and mild pH balanced surfactants as specified for indicated areas to remove the surface dirt, grit accretions by means of water misting and cleaning etc. complete as directed by the Engineer in Charge.(The rate is inclusive of all materials & labours involved except scaffolding). | SQM | 134.00 | *** |
| R3-CS-CH-2 | Providing and erecting two legged metal tubular scaffolding (cup lock type) of width 1200 to 1500mm largely free standing using H frames of tubular pipes of minimum 40mm diameter, with base plates fixed or adjustable with necessary clamps, couplers, brackets for projections, joint pins, pulleys and other accessories including steel angle or tubular pipe bracings at adequate intervals, access platforms of metal or timber planks of span not exceeding 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube chalis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work including provision of rubber inserts to pipe ends at point of contact with structure to avoid damage, including access ladders with intermediate platforms. the scaffolding to be suitably braced and anchored to the building using support systems created temporarily at the opening in walls using vertical and horizontal adjustable props on the exterior side of building structure, upto 25 metre height, above ground level . The rate | SQM | 325.00 | *** |
| R3-CS-CH-3 | Applying breathable, non-reactive, antifungal, and water repellent Silane/ Siloxane chemical as approved by Archaeological Survey of India/ Engineer-in-charge, of approved brand and manufacture, diluted with solvent mineral Turpentine oil in the ratio of 1:12 (One part of approved chemical :12 Part of Turpentine oil), on the existing sand stone masonry surface with two or more coats to give uniform application of chemical on the surface, all complete as per direction of Engineer-In-charge (The rate is inclusive of all materials & labours involved except scaffolding). | SQM | 80.00 | *** |



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conservation of Heritage structures

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) | STAR RATING |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|-------------|
| R3-CS-CH-4 | Applying two or more coat of Ethyl Silicate chemical as approved by Archaeological Survey of India/ Engineer-in-charge, of approved brand and manufacturer, with brush or spray on the existing stone masonry surface till there is no further absorption of chemical by stone surface, including protecting the applied surface from direct sunlight by suitable means during application, all complete as per direction of the Engineer-in-Charge (The rate is inclusive of all materials & labours involved except scaffolding). | SQM | 155.00 | *** |
| R3-CS-CH-5 | Ruled /Flush pointing on White/Red sand stone masonry surface with lime, surkhi and marble dust mortar in the ratio of 1:1.5:1/2 {One lime: 1.5 surkhi (50% red and 50% light yellow surkhi):1/2 marble dust}. (The rate is inclusive of all materials & labours involved except scaffolding). | SQM | 294.00 | *** |
| R3-CS-CH-6 | Providing and applying antifungal wash treatment using 3% solution of sodium pentachlorophenate, of reputed brand and manufacturer, on cleaned sand stone surface at desired locations as per direction of Engineer-in-charge (The rate is inclusive of all materials & labours involved except scaffolding). | SQM | 54.00 | *** |
| R3-CS-CH-7 | Constructing Brick masonry wall in Lime mortar 1:3 (1 lime : 3 sand) mix including mixing approved adhesive such as guggal, gur etc. to be approved by consultants before application) using the old bricks salvaged from site | CUM | 8991.00 | *** |
| R3-CS-CH-8 | Constructing Brick masonry wall in Lime mortar 1:3 (1 lime : 3 sand) mix including mixing approved adhesive such as guggal, gur etc. to be approved by consultants before application) using common burnt clay modular Bricks of class designation 7.5 | CUM | 16297.00 | *** |
| R3-CS-CH-9 | Providing and laying in position lime concrete including bailing out water, compacting, finishing surface, curing and including the cost of centering and shuttering at all level : Nominal Mix of 1:2:4 (1 lime: 2 finely graded sand : 4 graded stone aggregate 20 mm nominal size) | CUM | 15150.00 | *** |
| R3-CS-CH-10 | Providing and applying stirrer mixed 1:1 (hydraulic lime putty & marble powder) of consistency as directed by the Architect with 5 percent silica fumes and 10 percent brick dust under pressure through pvc nozzles (not exceeding 3 Kg/Sqm). Caulking of cracks to be done with hydraulic lime mortar (1:3) atleast three days before grouting. Lime Grouting to be done from bottom upwards till the cavity gets filled completely. (For cracks | KG | 379.00 | *** |



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conservation of Heritage structures

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) | STAR RATING |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|-------------|
| R3-CS-CH-11 | Providing and applying hydraulic lime putty of consistency as directed by the Architect with 5 percent silica fumes and 10 percent brick dust under pressure through pvc nozzles (not exceeding 3 Kg/Sqm). Caulking of cracks to be done with hydraulic lime mortar (1:3) atleast three days before grouting. Lime Grouting to be done from bottom upwards till the cavity gets filled completely. (For cracks not exceeding 5 mm | KG | 426.00 | *** |
| R3-CS-CH-12 | Hoisting, fixing and installation of the salvaged Cast iron columns carefully to the desired locations as per instructions from engineer-in-charge | NOS | 3032.00 | *** |
| R3-CS-CH-13 | Providing and fixing Cast Iron safety railing as per design by Architect for staircases, atrium, plinth steps, ramp etc. of 75 kg weight per Sq.M. including black duco finish with PU Coating. This item also includes providing and fixing top wooden handrail on railing as per design by Architect. | SQM | 42638.00 | *** |
| R3-CS-CH-14 | Melamine polish by applying 2 coats of AsianPaints Woodtech sealer or equivalent, 1 coat of Asian Paints Woodtech exterior wood stain or equivalent of shade directed by Architect, followed by 2 coats of Asian Paints WoodtechGold melamyne clear matt finish or equivalent, complete to the old or new wood including preparing surface by scraping, sandpapering and wipe cleaning after every coat, using spray machine for all the coats, adding thinner to every coat, scaffolding if required, etc. | SQM | 687.00 | *** |
| R3-CS-CH-15 | Preparing the wood from the salvaged wood from the site for reusing in door/ window frames, shutters, mullion, architrave, beading, transom, etc. including staircase handrail, ballusters, beams etc with surface preparation, removing the damaged and degraded portions, nails, fixtures etc. including chamfering, moulding to match the existing doors and windows as per the instructions of site incharge/architect with proper placement and storage. | CUM | 57541.00 | *** |
| R3-CS-CH-16 | Rebate for using old salvage teakwood from the site after preparation as per item No. BM-FA-19-AR-01 | CUM | -299880.00 | *** |
| R3-CS-CH-17 | Application of water, oil and stain repellent, breathable, Chlorophyllin based Protectguard MG of Killickguard or equivalent with brush on Stone Façade in two coats . Applications to be done | SQM | 379.00 | *** |
| R3-CS-CH-18 | Application of water, oil and dirt repellent, breathable, low VOC acrylic emulsion in aqueous phase based Protectguard TC of Killickguard or equivalent with brush on Lime Plaster (clear) in two coats . Applications to be done strictly as per | SQM | 564.00 | *** |



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conservation of Heritage structures

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) | STAR RATING |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|-------------|
| R3-CS-CH-19 | Application of water, oil and dirt repellent, breathable, low VOC pigmented acrylic emulsion in aqueous phase based Protectguard Colour TC of Killickguard or equivalent with brush on Lime Plaster (color) in two coats . Applications to be | SQM | 656.00 | *** |
| R3-CS-CH-20 | Application of water, oil and dirt repellent, breathable, low VOC Fluorinated copolymer and alkylacoxysilane based Protectguard CE Special Concrete of Killickguard or equivalent with brush/roller on GRC (clear) in two coats . Applications to be done strictly as per | SQM | 687.00 | *** |
| R3-CS-CH-21 | Application of water, oil and dirt repellent, breathable, low VOC aqueous phase fluorinated acrylic copolymer based Protectguard Colour of Killickguard or equivalent with brush/roller on GRC (color) in two coats . Applications to be done | SQM | 810.00 | *** |
| R3-CS-CH-22 | Restoring the cast iron columns including restoring the original missing intricate design filling the damaged parts and gaps of C.I. column by welding with the help of C.I. welding rods and using Grinder to remove extra welding waste. | NOS | 5197.00 | *** |
| R3-CS-CH-23 | Restoring the cast iron columns including restoring the original missing intricate design by completely cleaning the C.I. column by sand blasting . Item to also include filling the damaged parts and gaps of column by welding with the help of C.I. welding rods and using Grinder to remove extra welding | NOS | 25922.00 | *** |
| R3-CS-CH-24-a | Removal of plant/ficus growth by pulling out root system embedded in masonry, cutting stem and application of hing/gur/lime formulation as specified by the Architect or other patented chemical biocide treatment such as biocide/glycel etc. Having Girth less than 20 cm | NOS | 580.00 | *** |
| R3-CS-CH-24-b | Removal of plant/ficus growth by pulling out root system embedded in masonry, cutting stem and application of hing/gur/lime formulation as specified by the Architect or other patented chemical biocide treatment such as biocide/glycel Having Girth more than than 20cm up to 30 cm | NOS | 10348.00 | *** |
| R3-CS-CH-24-c | Removal of plant/ficus growth by pulling out root system embedded in masonry, cutting stem and application of hing/gur/lime formulation as specified by the Architect or other patented chemical biocide treatment such as biocide/glycel etc. Having Girth more than 30 cm | NOS | 18212.00 | *** |



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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) | STAR RATING |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|-------------|
| R3-CS-CH-25 | Providing lime plaster 30mm thick in two coats having a backing coat of 20 mm thick in 1:3 (one lime: 3 surkhi) with reconstituted fiber and finishing coat of 10 mm thick in 1:2 lime mortar (1 Lime:2 Quartz sand) for internal plastering including mixing approved adhesive such as guggal, jaggery etc. and applying to concrete/brick/stone masonry surface in all positions and finishing the surface even and smooth with lime plugging in 1:1 and curing etc. complete. | SQM | 2177.00 | *** |
| R3-CS-CH-26 | Raking out cement or lime pointing or any other hard material used and repointing to walls externally and internally in lime mortar 1:3 (1 lime, 3 sand, mix to be approved by consultants before application) & filling in any holes/damage area of stone that may have to be filled in lime mortar. The cost to include preparation of batches of sample upto 20 samples of colour matched lime mortar for approval by Architect. The contractor to ensure use of masking tape and sharp specialized spatula & tools to ensure clear line and high level of workmanship on site. | SQM | 553.00 | *** |
| R3-CS-CH-27 | Providing and fixing Pattern tiles of 23-25mm thick Bharat Tiles or equivalent of approved colours and cut to shape of approved patterns & grinding edges filling joints as per manufacturer's specifications and including 25 mm thick bedding mortar, grouting, watering, curing, cleaning, polishing etc. complete as directed by the Architect. | SQM | 8054.00 | *** |
| R3-CS-CH-28 | Providing and fixing tiles equivalent to Bharat Tiles of plain colour laid in a combination of one or more colours as per the design indicated by the Architect & grinding edges filling joints as per manufacturer's specifications and including bedding mortar, grouting, watering, curing, cleaning, polishing etc. complete as directed by the Architect. | SQM | 6727.00 | *** |
| R3-CS-CH-29 | Providing & Laying 20-25 mm thick Plain Bharat Tiles or equivalent cement tile for border as per design. The border design to be broken up into 3-4 components in different colours upto a maximum of 4 colours and pattern inserts indicated by the architect as per drawing in cement mortar 1.5 to 3.5 cm cement : sand bed mortar of 36 grade cement of ratio not leaner than 1:4 with a neat cement slurry on top, of approved thickness. Joints should be as fine as possible and filled with matching cement mortar as directed by architects. | RMT | 5967.00 | *** |



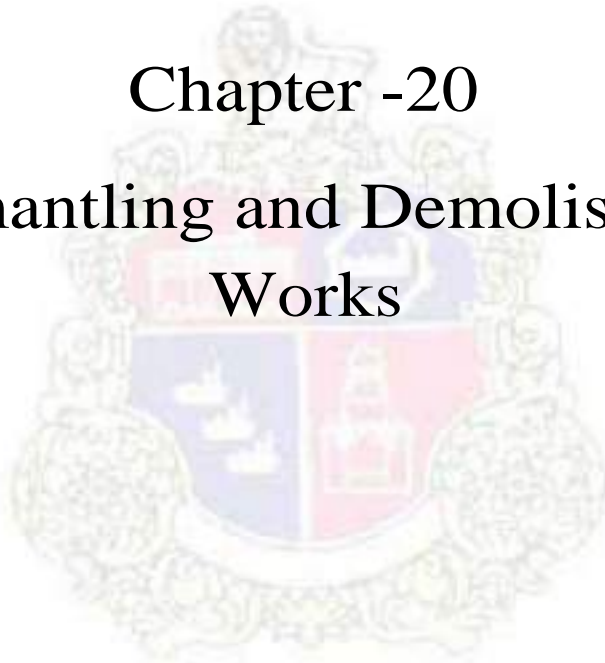
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| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) | STAR RATING |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|-------------|
| R3-CS-CH-30 | Providing and laying of Bharat Tiles or Equivalent make cement tiles skirting of 100mm ht. using Plain tiles (plain colour including all the range (dark, light or premium) as available with the manufacturer) 17-20 mm thick. Item complete with 20-25mm thick cement mortar 1:4 and finishing with 6mm groove at the junction between skirting and wall etc. Rate to be inclusive of tile,storage,all duties and taxes applicable. | RMT | 1082.00 | *** |
| R3-CS-CH-31 | Providing and fixing well seasoned burma teak wood full length new members like joists, rafters, purlins, beams etc. in roof/floors/staircase portion including all fixtures and fastenings. Item to include all moulding and chamfers to be made as per original design indicated by the Architects. Item to include using larger section of wood to get the mouldings and chamfers as per original design, sample to be shown to the Architect for approval before fixing. Item to also application of solignum on the wood surface. | CUM | 467036.00 | *** |



Chapter -20

Dismantling and Demolishing Works



| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs) |
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| | | | |
| | | | |
| R3-CS-DD | DISMANTLING AND DEMOLISHING WORKS | | |
| R3-CS-DD-1 | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. | Cum | 1,703 |
| R3-CS-DD-2 | Demolishing R.C.C. slab, R.C.C. wall of any thickness, R.C.C. beams, joists, R.C.C. columns, piles, pile caps etc., in any thickness and size manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge. | Cum | 2,491 |
| R3-CS-DD-3 | Demolishing brick work in lime or cement mortar including plaster, paint, etc. manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. | Cum | 627 |
| R3-CS-DD-4 | Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m (stacks of cleaned bricks shall be measured) : | | |
| R3-CS-DD-4-a | From brick work in mud mortar | 1000 nos | 1,615 |
| R3-CS-DD-4-b | From brick work in lime mortar | 1000 nos | 1,836 |
| R3-CS-DD-4-c | From brick work in cement mortar | 1000 nos | 2,327 |
| R3-CS-DD-5 | Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge : | | |
| R3-CS-DD-5-a | In lime mortar | Cum | 1,677 |
| R3-CS-DD-5-b | In cement mortar | Cum | 1,797 |
| R3-CS-DD-6 | Dismantling dressed stone work ashlar face stone work, marble work or precast concrete work manually/ by mechanical means including stacking of serviceable and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge | | |
| R3-CS-DD-6-a | In lime mortar | Cum | 1,068 |
| R3-CS-DD-6-b | In cement mortar | Cum | 2,094 |



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|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------|
| R3-CS-DD-7 | Removing mortar from and cleaning stones and concrete articles (net quantity of stacks of cleaned materials will be measured) : | | |
| R3-CS-DD-7-a | In lime mortar | Cum | 352 |
| R3-CS-DD-7-b | In cement mortar | Cum | 505 |
| R3-CS-DD-8 | Dismantling doors, windows, fanlight and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : | | |
| R3-CS-DD-8-a | Of area 3 sq. metres and below | each | 279 |
| R3-CS-DD-8-b | Of area beyond 3 sq. metres | each | 381 |
| R3-CS-DD-9 | Removing doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : | | |
| R3-CS-DD-9-a | Of area 3 sq. metres and below | each | 108 |
| R3-CS-DD-9-b | Of area beyond 3 sq. metres | each | 143 |
| R3-CS-DD-10 | Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead : | | |
| R3-CS-DD-10-a | Of sectional area size of 40 square centimetres and above | Cum | 3,402 |
| R3-CS-DD-10-b | Of sectional area size of below 40 square centimetres | Rmt | 14 |
| R3-CS-DD-11 | Extra for dismantling trusses, rafters, purlins etc. of wood work for every additional span of one metre or part thereof beyond 10 metres : | | |
| R3-CS-DD-11-a | Of sectional area 40 square centimetres and above | Cum per metre span | 437 |
| R3-CS-DD-11-b | Of sectional area below 40 square centimetres | Metre per metre span | 1 |
| R3-CS-DD-12 | Extra for dismantling trusses, rafters, purlins etc. of wood work for every additional height of one metre or part thereof beyond 5 metres | | |
| R3-CS-DD-12-a | Of sectional area 40 square centimetres and above | Cum per metre height | 636 |
| R3-CS-DD-12-b | Of sectional area below 40 square centimetres | Metre per metre height | 3 |



| | | | |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------|
| R3-CS-DD-13 | Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in: | | |
| R3-CS-DD-13-a | R.S. Joists and sections | Kg | 2 |
| R3-CS-DD-13-b | Channels, angles, tees, square bar, flats, tubes | Kg | 2 |
| R3-CS-DD-14 | Dismantling steel work in built up sections in angles, tees, flats and channels of rolling shutters, grills, gates, fencing, hoardings, including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50metres lead. | Kg | 4 |
| R3-CS-DD-15 | Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge. | Kg | 3 |
| R3-CS-DD-16 | Extra for dismantling trusses members, rafters, purlins etc. of steel work for every additional span of one metre or part thereof beyond 10 metres | Kg per metre span | 0.62 |
| R3-CS-DD-17 | Extra for dismantling trusses members, rafters, purlins etc. of steel work for every additional height of one metre or part thereof beyond 5 metres. | Kg per metre height | 0.62 |
| R3-CS-DD-18 | Extra for marking of structural steel work required to be re-erected. | Kg | 3 |
| R3-CS-DD-19 | Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. | | |
| R3-CS-DD-19-a | For thickness of tiles 10 mm to 25 mm | Sqm | 56 |
| R3-CS-DD-19-b | For thickness of tiles above 25 mm and up to 40 mm | Sqm | 87 |
| R3-CS-DD-20 | Demolishing dry brick pitching in floors, drains etc. including stacking serviceable material and disposal of unserviceable material within 50 metres lead : | Cum | 958 |
| R3-CS-DD-21 | Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead. | Sqm | 194 |
| R3-CS-DD-22 | Demolishing brick tile (brick bat) covering in terracing including stacking of serviceable material and disposal of unserviceable material within 50 metres lead. | Sqm | 81 |
| R3- | | | |
| R3-CS-DD-23 | Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of : | | |
| R3-CS-DD-23-a | G.I. Sheet | Sqm | 124 |
| R3-CS-DD-23-b | Asbestos sheet | Sqm | 58 |



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| R3-CS-DD-24 | Dismantling stone slab roofing over wooden karries or R.C.C. battens (dismantling karries and battens to be paid for separately), including stacking of serviceable material and disposal of unserviceable material within 50 metres lead. | Cum | 1,935 |
| R3-CS-DD-25 | Dismantling jack arch roofing and floors including stacking of serviceable material and disposal of unserviceable material within 50 metres lead. | Sqm | 184 |
| R3-CS-DD-26 | Dismantling tiled roofing with battens, boarding etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead. | Sqm | 152 |
| R3-CS-DD-27 | Demolishing thatch roofing including mats, bamboo, jaffari etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead. | Sqm | 42 |
| R3-CS-DD-28 | Dismantling wooden ballies in posts, struts and battens including stacking within 50 metres lead. | Rmt | 15 |
| R3-CS-DD-29 | Dismantling and stacking within 50 metres lead, fencing posts or struts including all earth work and dismantling of concrete etc. in base of : | | |
| R3-CS-DD-29-a | T' or 'L' iron or pipe | each | 160 |
| R3-CS-DD-29-b | R.C.C. | each | 162 |
| R3-CS-DD-30 | Cutting ballies or wooden posts of fencing at the point of projection above the concrete or ground and stacking the same within 50 metres lead. | each | 7 |
| R3-CS-DD-31 | Dismantling barbed wire or flexible wire rope in fencing including making rolls and stacking within 50 metres lead. | Kg | 27 |
| R3-CS-DD-32 | Dismantling wooden planking with joint and coba, etc. including stacking the serviceable material within 50 metres lead. | Sqm | 48 |
| R3-CS-DD-33 | Dismantling expanded metal or I.R.C. fabrics with necessary battens and beading including stacking the serviceable material within 50 metres lead. | Sqm | 56 |
| R3-CS-DD-34 | Dismantling wooden boardings in lining of walls and partitions and plankings in ceiling, eaves or barge board, eaves plate, excluding supporting members but including stacking within 50 metres lead : | | |
| R3-CS-DD-34-a | Up to 10 mm thick | Sqm | 45 |
| R3-CS-DD-34-b | Thickness above 10 mm up to 25 mm | Sqm | 58 |
| R3-CS-DD-34-c | Thickness above 25 mm up to 40 mm | Sqm | 67 |
| R3-CS-DD-35 | Dismantling precast concrete or stone slabs in walls, partition walls etc. including stacking within 50 metres lead: | | |
| R3-CS-DD-35-a | Thickness up to 40 mm | Sqm | 211 |
| R3-CS-DD-35-b | Thickness above 40 mm up to 75 mm | Sqm | 317 |



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| R3-CS-DD-36 | Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead. | Sqm | 42 |
| R3-CS-DD-37 | Dismantling C.I., UPVC and asbestos vent pipes and shaft, soil, waste, rain water pipe, mild steel, GI and asbestos gutters, ridge and hips with fittings and clamps including stacking the material within 50 metres lead : | | |
| R3-CS-DD-37-a | 75 to 80 mm dia pipe. | Rmt | 55 |
| R3-CS-DD-37-b | 100 mm dia pipe | Rmt | 57 |
| R3-CS-DD-37-c | 150 mm dia pipe and rectangular shaft | Rmt | 58 |
| R3-CS-DD-38 | Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge : | | |
| R3-CS-DD-38-a | 15 mm to 40 mm nominal bore | Rmt | 107 |
| R3-CS-DD-38-b | Above 40 mm nominal bore | Rmt | 113 |
| R3-CS-DD-39 | Dismantling C.I. pipes including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site within 50 metre lead as per direction of Engineer-in-charge: | | |
| R3-CS-DD-39-a | Up to 150 mm diameter | Rmt | 398 |
| R3-CS-DD-39-b | Above 150 mm dia up to 300 mm dia. | Rmt | 503 |
| R3-CS-DD-39-c | Above 300 mm diameter | Rmt | 412 |
| R3-CS-DD-40 | Dismantling steel cylinder R.C. pipes including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site within 50 metres lead as per direction of Engineer-in-charge: | | |
| R3-CS-DD-40-a | Up to 600 mm diameter | Rmt | 515 |
| R3-CS-DD-40-b | Above 600 mm diameter | Rmt | 1,307 |
| R3-CS-DD-41 | Dismantling asbestos cement pressure pipes including excavation and refilling trenches after taking out the pipes manually/ by mechanical means and stacking the pipes within 50 metres lead as per direction of Engineer-in-charge: | | |
| R3-CS-DD-41-a | Up to 150 mm diameter | Rmt | 242 |
| R3-CS-DD-41-b | Above 150 mm diameter | Rmt | 293 |
| R3-CS-DD-42 | Removing C.I. cover with frame from R.C.C. top slab of manholes of various sizes including demolishing of R.C.C. work manually/ by mechanical means and stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead as per direction of Engineer-in-charge. | each | 503 |
| R3-CS-DD-43 | Removing C.I. cover with frame from R.C.C. top slab of inspection chambers of various sizes including demolishing of R.C.C. work manually/ by mechanical means and stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead as per direction of Engineer-in-charge. | each | 292 |



Buildings Schedule/ Common Schedule 2023
Dismantling and Demolishing Works

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| R3-CS-DD-44 | Dismantling of R.C.C. spun vent shaft including excavating the cement concrete pit completely, taking out the shaft, refilling the excavated gap, stacking the useful materials near the site and disposal of unserviceable materials within 50 metres lead. | each | 3,225 |
| R3-CS-DD-45 | Dismantling of road gully chamber of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead including refilling the excavated gap. | each | 746 |
| R3-CS-DD-46 | Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead. | each | 664 |
| R3-CS-DD-47 | Dismantling of C.I. sluice valve including stacking of useful materials within a lead of 50 metres | | |
| R3-CS-DD-47-a | Up to 150 mm diameter | each | 235 |
| R3-CS-DD-47-b | Above 150 mm diameter | each | 888 |
| R3-CS-DD-48 | Dismantling of spindle fire hydrant including stacking of useful materials within 50 metres lead. | each | 549 |
| R3-CS-DD-49 | Dismantling of cement concrete platform along with curtain walls and base concrete etc. including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead : | | |
| R3-CS-DD-49-a | 120 x 120 cm (outside to outside) | each | 918 |
| R3-CS-DD-49-b | 210 x 120 cm (outside to outside) | each | 1,300 |
| R3-CS-DD-49-c | 320 x 120 cm (outside to outside) | each | 1,912 |
| R3-CS-DD-50 | Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead. | Sqm | 40 |
| R3-CS-DD-51 | Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge. | Sqm | 42 |
| R3-CS-DD-52 | Dismantling of flexible pavement (bituminous,WBM and WMM courses) by mechanical means and disposal of dismantled material up to a lead of 1 kilometre, as per direction of Engineer-in-charge. | Cum | 399 |
| R3-CS-DD-53 | Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all loads including all lifts involved. | Cum | 109 |
| R3-CS-DD-54 | Cutting down masonry work in lime or cement mortar including plaster etc. complete. | Cum | 686 |
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| R3-CS-DD-56 | Removing any existing water proofing layers of I. P. S. with bituminous joints and brick bat concrete over the existing terrace floor, chajja, top of headroom slab and canopy including cement vata and exposing R.C.C. slab top complete. | Sqm | 282 |



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| R3-CS-DD-57 | Removing M.S. pressed steel or G.I. storage tanks of any size upto 5400 litres capacity from the existing terrace including disconnecting the existing fittings and refixing the same on the new terrace in position as directed including hoisting the same, providing new C. C. uthalas and C. C. blocks for ladders and applying 3 coats of Syn. Ena. Paint after scrapping the old, fixed complete as directed. | Nos | 13,044 |
| R3-CS-DD-58 | Extra for increase in the size of tank than above by every 500 litres or part there of. | Nos | 1,057 |
| R3-CS-DD-59 | Removing and refixing G.I. pipes of any size with all new fittings if necessary complete including cleaning and painting. | R.M. | 228 |
| R3-CS-DD-60 | Removing and refixing drain pipe (soil, waste water, ventilating or rain water) of any size with all fittings including cleaning pipe before fixing and painting as directed. | R.M. | 526 |
| R3-CS-DD-61 | Removing and refixing iron ladder for storage tanks including drilling holes in concrete etc. complete and fixing with new bolts and nuts, if necessary and making good the damaged masonry and concrete. | Nos | 718 |
| R3-CS-DD-62 | Removing and refixing the existing rolled steel joist beams, stanchions etc., of about 5 m length including repainting the same with 3 coats of Syn. Ena. paint after scraping the old paint complete. | MT. | 18,611 |
| R3-CS-DD-63 | Removing C. I. gratings of any size from the existing terrace including plugging the holes in masonry with 1:2:4 c.c. and refixing the same in the new terrace etc. complete. | Nos | 114 |
| R3-CS-DD-64 | Removing mosaic, cement marble, granites non-slippery, tandur, kotah, shahabad stone or Indian Pattern stone, glazed tiles in flooring and dado including bedding brick bat coba etc., and delivering materials in Ward Office and carting away unserviceable materials. | Sqm | 315 |
| R3-CS-DD-65 | Removing cement plaster of any finish from the wall, complete with racking out the joints to a depth of 20 mm. | Sqm | 193 |
| R3-CS-DD-66 | Breaking the existing terrace parapet with coping and plaster including brick pillars at the upper floor level including breaking the R.C.C. slabs for taking out reinforcement for the R.C.C. parapet, column etc. complete. | Cum | 1,881 |
| R3-CS-DD-67 | Breaking carefully the existing staircase parapet return on the terrace floor, exposing and strengthening bars and jointing to the bar of the new stair flight, including refixing wooden handrail removed from the existing terrace return on the new terrace floor, after polishing the same complete with 3 coats of paint. | Sqm | 903 |
| R3-CS-DD-68 | Removing and refixing A.C., UPVC and CI cowl caps of any size over pipes. | Nos | 104 |
| R3-CS-DD-69 | Removing the existing compound barbed wire fencing including wooden or concrete posts with foundations and depositing all serviceable materials at the nearest Municipal Ward Office. (This includes rows of barbed wire placed horizontally or placed spirally along the length.) | R.M. | 252 |
| R3-CS-DD-70 | Removing and refixing existing door or window with frames and shutters, making good the damaged brick work and applying 3 coats of Syn. Ena. paint. | Nos | 2,395 |
| R3-CS-DD-71 | Removing existing door or windows with frame and shutters and making good etc. to the existing surface. | Nos | 703 |



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| R3-CS-DD-72 | Removing the existing mangalore tiles roofing carefully including teak wood purlins, rafters, battens and boarding and G. I. sheet gutters from the floor and refixing the same on the above one in a similar way including providing new teak batten and applying 3 coats of approved Syn. Ena. paint in approved tint to the entire teak battens work including providing and fixing iron bolts, nuts, screws and all other fixing accessories as required replacing broken tiles, as specified and directed. | Sqm | 1,080 |
| R3-CS-DD-73 | Removing completely the existing teak wood roof trusses and refixing the same on the above floor in a similar way providing and fixing as required iron bolts, nuts and applying 3 coats of approved Syn. Ena. paint in approved tint to the entire wood work, including scrapping old surfaces as specified and directed. | Nos | 9,835 |
| R3-CS-DD-74 | Removing carefully existing weather shed including T. W. frame work etc. and refixing the same wherever directed after replacing the damaged materials including 3 coats of Syn. Ena. paint as directed. | Nos | 871 |
| R3-CS-DD-75 | Removing or destroying plants etc. growing on walls, drainage pipes, destroying roots by applying approved weedicide & reinstating the wall surface by plaster to the damage surface of the building | Sqm | 59 |
| R3-CS-DD-76 | Removal of existing flushing cistern with all fittings at any height with making surface good and depositing all materials to Municipal Store etc. complete as directed. | Nos | 446 |
| R3-CS-DD-77 | Breaking stems of R.C.C. members viz., columns, plinth beams, beams, piles, pile caps, slabs, R.C.C. walls etc. of any grade of concrete without damaging reinforcement (bars) after removing rust, cleaning the same etc., including removal of debris etc. complete as directed. | Cum | 3,139 |
| R3-CS-DD-78 | Removing shutters of doors and windows without frame. | Sqm | 229 |
| R3-CS-DD-79 | Removing soil pan, urinal, wash basin and sink of any type, size, make and brand including its bedding drainage fitting. etc. complete. | Each | 114 |
| R3-CS-DD-80 | Removing G.I. pipes internal exposed of any size including fittings etc complete | Rmt | 82 |
| R3-CS-DD-81 | Removing G.I. pipes internal concealed of any size including fittings etc complete | Rmt | 239 |
| R3-CS-DD-82 | Removing existing R.C.C. jallies of any design & deposit to ward store complete. | Sqm | 108 |
| R3-CS-DD-83 | Removing C. I. spiral staircase of any size with Balusters, Hand Rail, landing, newel post etc., complete | Step | 106 |
| R3-CS-DD-84 | Cutting down small tree upto 230 mm. dia. of girth (measured at a height of 1m above ground level) including cutting of branches and trunks, removing of roots completely, disposal of unserviceable material and depositing the serviceable or cut- materials to respective Ward Office as directed. | Plant | 588 |
| R3-CS-DD-85 | Cutting down small tree over 230 mm. dia. of girth (measured at a height of 1m above ground level) including cutting of branches and trunks, removing of roots completely, disposal of unserviceable material and depositing the serviceable or cut- materials to respective Ward Office as directed. | Plant | 1855 |



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| R3-CS-DD-86-a | REBATE FOR SCRAP MATERIAL DOOR SHUTTERS | EA | 615 |
| R3-CS-DD-86-b | REBATE FOR SCRAP MATERIAL WINDOW AND VENTILATORS SHUTTERS | EA | 128 |
| R3-CS-DD-86-c | REBATE FOR SCRAP MATERIAL M S GRILL, MESH | KG | 20 |
| R3-CS-DD-86-d | REBATE OVER DISMATLING EXISTING ALUMINIUM SLIDING/ OPENABLE DOOR AND WINDOW / VENTILATION | SQM | 133 |
| R3-CS-DD-86-e | REBATE FOR SCRAP MATERIAL TEAK WOOD MEMBERS OF DOOR / WINDOW FRAMES | SQM | 72 |
| R3-CS-DD-86-f | Rebate for Scrap Material Reinforcement Steel | KG | 20 |
| R3-CS-DD-87 | Removing any type of flooring i.e.mosaic, cement marble, granites non-slippery, tandur, kotah, shahabad stone or Indian Pattern stone, glazed tiles in flooring including bedding brick bat coba , paver blocks of any thickness etc in open passage, footpath, or any flooring laid on ground mechanically or manually and delivering materials in Ward Office and carting away unserviceable materials. | Sqm | 179 |





Chapter -21

Retrofitting Work



Retrofitting Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|
| R3-CS-RF-1 | Application of Corrosion Inhibitor: Providing & applying One coat of Concrete Penetrating Corrosion Inhibitor (Surface applied) which works on Bipolar Inhibition Mechanism on entire concrete surface to be repaired by using brush or spray at 250 ml per Sq.Mt./Coat or as per manufacturer's specification and prior to application of first coat of anti corrosive coating to reinforcement. | SQM | 164.00 |
| R3-CS-RF-2 | Anti Corrosive coating to exposed reinforcement: Providing & applying Two coats of Anti Corrosive protective coating (CBRI / CSIR technology) for reinforcement bars by brush. Sprinkle dry sand when second coat is tacky so as to get rough surface. | MT | 6031.00 |
| R3-CS-RF-3 | Shear Connectors: Make 10/12 mm dia holes using heavy duty electrically operated hammer drills in the concrete of RCC members to a depth of about 75 mm at 500 mm c/c or at suitable grid in zig-zag fashion, clean the holes using air jet and fix pre-fabricated 100 x 50 mm L-shape 8 mm dia rebar using Anti Corrosive protective coating so that 75 mm out of 100 mm is inserted inside the concrete and 25 mm remain outside along with 50 mm bend. The shear connectors are used to tie the additional reinforcement bars | NOS | 561.00 |
| R3-CS-RF-4 | Additional Reinforcement: Cutting, bending and fixing in position steel reinforcement of specified/required sizes and shapes in the form of main rebars, stirrups & rings, distribution rebars etc., and tying them to shear connectors using GI binding wire. The additional rebars should be coated with TWO coats of Anti Corrosive protective coating & dry sand to be sprinkled on second coat. | MT | 56919.00 |
| R3-CS-RF-5 | Bond Coat: Providing & applying One coat of structural grade epoxy bond coat by brush conforming to ASTM-C-882-87 to the prepared concrete surface to be repaired / strengthened. This is applied prior to the application of polymer repair mortar / epoxy mortar / Microconcrete to have monolithic action between old concrete surface and new concrete surface | SQM | 520.00 |



Retrofitting Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------|
| R3-CS-RF-6 | Repair with Polymer Modified Mortar (PMM): Repairs to the deteriorated / damaged areas of RCC elements in the structure shall be carried out by using powder Polymer Modified repair mortar. The polymer modified mortar is applied when the epoxy bonding coat is still tacky. In one application 25 mm thickness shall be built. Subsequent layer shall be built with one bond coat of Polymer modified cement slurry. The polymer modified repair mortar shall be mixed, applied and cured as per technical | SQM | 1598.00 |
| R3-CS-RF-7 | Leak-proof Shuttering for Encasement: Providing, fabricating & fixing the leak-proof shuttering made with marine plywood/M.S. sheets with proper supports at all locations for all shapes etc., for encasement & de shuttering the same after specified period or next day of placing the micro concrete / concrete. Providing & applying approved oil on all surfaces of formwork coming in contact with concrete as per specification. | SQM | Please refer Item R3-CS-CW-30 for M.S. Sheet shuttering & R3-CS-CW -64 for marine plywood shuttering |
| R3-CS-RF-8 | Repair with Microconcrete: Providing, mixing and placing 50 to 100 mm thick encasement with free flow high performance micro-concrete as per technical specification. | SQM | 7342.00 |
| R3-CS-RF-9 | Sealing of Plaster, IPS and non structural Cracks: Sealing of plaster, IPS and non-structural cracks with non-shrink compound using spatula or putty knife. | RMT | 315.00 |
| R3-CS-RF-10 | Injection Grouting of Super low Viscosity Epoxy Grout System: Pressure grouting Super low viscosity epoxy resin using injector till nozzles refused to accept the grout under pressure of 3-4 Kg/cm ² . Grout the material through pre-fixed nozzles in the structural elements and subsequently cutting /removal of nozzles and sealing of holes with putty Monitor the leakages through other nozzles while grouting and seal them as per the | CUM | 518507.00 |
| R3-CS-RF-11 | Injection Grouting High Performance Polymer Cement Grout: Providing & injecting high performance non shrink, Anti-washout Polymer Cement Grout per pack of 225gm for 50kg bag of cement as per manufacturer's specifications into honeycombing area / porous concrete with suitable pump at pressure of 2.0 Kg/Cm ² and subsequently cutting /removal of nozzles and sealing of holes with grout etc., complete. This does not include the rate of cement bag. | Per 50KG Bag Of Cement | 500.00 |



Retrofitting Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) |
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| R3-CS-RF-12 | <p>Glass Fiber Wrapping System: Providing & laying applying Glass Fiber sheet wrap at structural members Including, Providing & laying applying Glass Fiber sheet wrap at structural members Including , Profiling: Applying PRIMER on prepared substrate, filling holes and uneven surface with PUTTY etc., complete. Wrapping: Wrapping the Glass fibre wrap to structural element at desired orientation using tamping roller to avoid any air voids etc., Repeat the same procedure for multiple layer with interval of 8 hours. , Sand Pasting: Applying saturant, rectify air voids if any, paste the river sand on it to make surface rough to take any further finishes. (Mode of Measurement: Per Sq.Mt of Fiber consume and not application of surface area.)</p> | SQM | 4140.00 |
| R3-CS-RF-13 | <p>Carbon Fiber Wrapping System: Providing & laying applying Carbon Fiber sheet wrap at structural members including Surface Preparation: Grinding / moulding concrete substrate, cleaning it with wire brush, removing oil, laitance if present, rounding sharp edges to min 25 mm radius etc., complete. Profiling: Applying PRIMER on prepared substrate, filling holes and uneven surface with PUTTY etc., complete. Wrapping: Wrapping the Glass fibre wrap to structural element at desired orientation using tamping roller to avoid any air voids etc., Repeat the same procedure for multiple layer with interval of 8 hours. Sand Pasting: Applying saturant, rectify air voids if any, paste the river sand on it to make surface rough to take any further finishes. (Mode of Measurement: Per Sq.Mt of Fiber consume and not application of surface area.)</p> | SQM | 5520.00 |
| R3-CS-RF-14 | <p>Providing & mixing Bipolar Concrete Penetrating Corrosion Inhibiting Admixture to provide corrosion protection to both anodic and cathodic sites on the steels surface in fresh concrete</p> | CUM | 856.00 |
| R3-CS-RF-15 | <p>Galvanic Protection of Reinforcement in concrete: Providing & fixing zinc based galvanic anodes to the reinforcement. The anode shall be connected to the reinforcement steel by connectors provided with the anode application area is at the junction of repair. One anode per meter including tying to the bar etc., complete.</p> | NOS | 1201.00 |



Buildings Schedule/ Common Schedule 2023

Retrofitting Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------|
| R3-CS-RF-16 | Application of Rust Converter: Providing & applying One coat of Alkaline Rust converting primer conforming to ASTM-B-117, to exposed existing rebars after removing & cleaning loose rust by wire brush and leave it for 6-8 hours. | SQM | 142.00 |
| R3-CS-RF-17 | Surface Preparation: Chipping off and removing loose concrete from damaged concrete portion of columns, beams & slabs etc manually by using chisel and low impact hammer, breaker to expose the sound concrete. Use the portable air blowers to make the surface free from loose material, dirt etc. | SQM | Please refer Item R3-CS-CW -54 |
| R3-CS-RF-18 | Providing and applying Polymer modified cement mortar of average thickness 15mm using Polymer in one or more layers in proportion 1:5:15 of Polymer Cement Quartz Sand as manufacturer's specifications in specific layers, curing the surface after 72 hours of application with wet gunny bags etc and by finishing the surface with 12mm thick (1:3) Cement sand plaster. | SQM | Please refer Item R3-CS-CW -56 |
| R3-CS-RF-19 | Providing and applying Polymer modified cement mortar of average thickness 30mm using Polymer in two layers in proportion 1:5:15 of Polymer Cement Quartz Sand as manufacturer's specifications in specific layers, curing the surface after 72 hours of application with wet gunny bags etc and by finishing the surface with 12mm thick (1:3) Cement sand plaster. | SQM | Please refer Item R3-CS-CW -57 |



Retrofitting Works

| ITEM CODE | ITEM DESCRIPTION | UNIT | RATE (Rs.) |
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| R3-CS-RF-20 | <p>Jacketting the existing column of size as shown in the drawing by removing the concrete cover to reinforcement, by chipping or other suitable means to expose the reinforcement of existing column in order to make available the same for binding the extra reinforcement as shown in the drawing and also removal of rust, scales of the reinforcement in order to provide and apply approved make of epoxy resin to get proper bond with newly laid M25 grade concrete.</p> <p>The aforesaid concrete shall be laid by the sides of the existing column with uniform thickness of 115 mm or as specified, for jacketing purposes thereby increasing the sectional dimensions by 150 mm or as specified (excluding finishing) at any height with requisite shuttering, centring, scaffolding, propping, repairing the existing surface as specified and also removal of debris, curing etc. complete as per design and drawing etc. directed. (NOTE :- Reinforcement will be paid separately under respective item of schedule).</p> | CUM | Please refer Item R3-CS-CW -44 |
| R3-CS-RF-21 | <p>Jacketting existing beam /beam connections as shown in drwg by removing concrete cover to reinforcement, by chipping /other suitable means to expose the reinforcement of existing beam or beam connections in order to make available the same for binding the extra reinforcement as shown in the drawing and also removal of rust, scales of the reinforcement in order to provide and apply approved make of epoxy resin to get proper bond with newly laid M25 grade concrete. The aforesaid concrete shall be laid by the sides of the existing beam with uniform thickness of 75 mm or as specified, for jacketing purposes thereby increasing the sectional dimensions by 100 mm or as specified (excluding finishing) at any height with requisite shuttering, centring, scaffolding, propping, repairing the existing surface as specified and also removal of debris, curing etc. complete as per design and drawing etc. directed. (NOTE :- Reinforcement will be paid separately under respective item of schedule).</p> | CUM | Please refer Item R3-CS-CW -44-a |





Chapter -22

Furniture Work



Buildings Schedule/Common Schedule 2023
Furniture Work

| ITEM CODE | FURNITURE DESCRIPTION | UNIT | RATE |
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| R3-CS-FUR-01 | STAFF OFFICE TABLE | | |
| | Providing and fixing of Modular table of required size. Table top shall be made of 25mm thick Marine ply (IS 710 : 2010), FIRE RETARDENT laminate on all sides / surfaces. Sides in 25mm Marine ply (IS 710 : 2010). All boards components like top, sides etc. are finished with 2mm thick machine pressedPVC edge banding in matching colour. (Rehau Make/or Equivalent) for better impact resistance. Other components like modesty panels of 600mm height (apron) shall be made of 18mm thick Marine ply (IS 710 : 2010) in approved colour and shade as per pre-approved sample etc. complete. | | |
| | Accessories | | |
| | <u>Key Board Tray</u> -Size: - Width: 600mm, Depth: 270, Height: 70mm keyboard pullout tray made up of durable ABS (Acrylonitrile Butadiene Styrene) material provided withsliding telescopic channels. The tray hanged below the top by steel by MS Brackets. Finish. All steel components should be epoxy powder coated with seven tanks anti corrosion pre- treatment of surface. ABS wire managers to be provided wherever required for table top. | | |
| | CPU Trolley : - Width: 180mm Depth: 245 mm, Height: 210mmMade up of press formed MS CR sheet Finish provision for height & width adjustment. All steel components should be epoxy powder Coating with seven tanks anti corrosion pre- treatment of surface. (Coating thickness 50 to 60 micron). | | |
| R3-CS-FUR-01-a | 900 x 600 x 750 | No's | Rs.13,268.00 |
| R3-CS-FUR-01-b | 1050 x 600 x 750 | No's | Rs.14,288.00 |
| R3-CS-FUR-01-c | 1200 x 600 x 750 | No's | Rs.15,309.00 |
| R3-CS-FUR-01-d | 1350 x 750 x 750 | No's | Rs.17,350.00 |
| R3-CS-FUR-01-e | 1500 x 600 x 750 | No's | Rs.19,136.00 |
| R3-CS-FUR-01-f | 1500 x 750 x 750 | No's | Rs.20,156.00 |
| R3-CS-FUR-01-g | 1650 x 600 x 750 | No's | Rs.20,922.00 |
| R3-CS-FUR-01-h | 1650 x 750 x 750 | No's | Rs.21,943.00 |
| R3-CS-FUR-01-i | 1650 x 900 x 750 | No's | Rs.22,964.00 |
| R3-CS-FUR-01-j | 1800 x 600 x 750 | No's | Rs.24,494.00 |
| R3-CS-FUR-01-k | 1800 x 750 x 750 | No's | Rs.26,025.00 |
| R3-CS-FUR-01-l | 1800 x 900 x 750 | No's | Rs.27,556.00 |
| R3-CS-FUR-02 | CLASSROOM TRAINING TABLE | | |
| | Providing and fixing of Modular table of required size. Table top shall be made of 25mm thick Marine ply (IS 710 : 2010),FIRE RETARDENT laminate on all sides / surfaces. Sides in 25mm Marine ply (IS 710 : 2010). All boards components like top, sides etc. are finished with 2mm thick machine pressedPVC edge banding in matching colour. (Rehau Make/or Equivalent) for better impact resistance. Other components like modesty panels of 600mm height (apron) shall be made of 18mm thick Marine ply (IS 710 : 2010) in approved colour and shade as per pre-approved sample etc. complete | | |
| R3-CS-FUR-02-a | 900 x 450 x 750 | No's | Rs.11,154.00 |
| R3-CS-FUR-02-b | 1050 x 450 x 750 | No's | Rs.12,223.00 |
| R3-CS-FUR-02-c | 1200 x 450 x 750 | No's | Rs.13,292.00 |
| R3-CS-FUR-02-d | 1350 x 450 x 750 | No's | Rs.14,361.00 |
| R3-CS-FUR-03 | COMPUTER TRAINING TABLE | | |



Furniture work

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| | Providing and fixing of Modular table of required size. Table top shall be made of 25mm Marine ply (IS 710 : 2010) , FIRE RETARDENT laminate on all sides / surfaces. Sides in 25mm Marine ply (IS 710 : 2010). All boards components like top, sides etc. are finished with 2mm thick machine pressedPVC edge banding in matching colour. (Rehau Make/or Equivalent) for better impact resistance. Other components like modesty panels of 600mm height (apron)shall be made of 18mm thick Marine ply (IS 710 : 2010) in approved colour and shade as per pre-approved sample etc.complete. | | |
| | Accessories | | |
| | Key Board Tray - 2 Nos. Size: - Width: 600mm, Depth: 270, Height: 70mm keyboard pullout tray made up of durableABS (Acrylonitrile Butadiene Styrene) material provide with sliding telescopic channels. The tray hanged below the topby steel MS brackets. Finish: All steel components should be epoxy powder coated after seven tanks anti corrosion pre-treatment of surface. ABS wire managersto be provided where required for the table top. | | |
| | CPU Trolley: 2 Nos. Size: - Width: 180mm Depth: 245mm, Height: 210mm Made up of press formed MS CR sheet Finish provision for height & width adjustment. Allsteel components should be epoxy powder coated with seven tanks anti corrosion pre-treatment of surface. (Coating thickness50 to 60 micron). | | |
| R3-CS-FUR-03-a | 1200 x 600 x 750 | No's | Rs.11,340.00 |
| R3-CS-FUR-03-b | 1350 x 600 x 750 | No's | Rs.12,852.00 |
| R3-CS-FUR-03-c | 1500 x 600 x 750 | No's | Rs.14,175.00 |
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| R3-CS-FUR-04 | EXECUTIVE OFFICE TABLE | | |
| | Providing and fixing of Modular table with fixed pedestal having 2 book drawers and 1 file drawer. Table top shall be made of 25mm thick Marine ply (IS 710 : 2010) , FIRE RETARDENT laminate on all sides / surfaces. Sides in 25mm Marine ply (IS 710 : 2010). All boards components like top, sides etc. are finished with 2mm thick machine pressed PVC edge banding in matching colour. (Rehau Make/or Equivalent)for better impact resistance. Other components like modesty panels of 600mm height (apron) shall be made of 18mm thick Marine ply (IS 710 : 2010) in approved colour and shade as per pre-approved sample etc. complete. | | |
| | Fixed Pedestal Unit | | |
| | Width of drawer unit shall be of standard size of 450mm. Drawer tray shall of 18 mm thk Commercial Plywood (IS 303 : 1989) completely (bottom included) of size suitable to accommodate telescopic glides for smooth operation All visible edges of drawer trays shall have 2mm thk edge banding to match the colour of the fascia. Inside edge of trays shall have 0.8mm thk PVC edge banding to match the colour of the tray. Front Central lock to be provided for locking all drawers. Aluminium furniture feet — Round tube,diameter 40 mm with 10 mm height adjustable with steel mounting plate with suitable finish to match handles, 'C' Shape SS Brush finished handles as indicated in the drawing, suitable locking etc. complete. | | |
| | Accessories | | |
| | Key Board Tray -Size: - Width: 600mm, Depth: 270, Height: 70mm keyboard pullout tray made up of durable ABS (Acrylonitrile Butadiene Styrene) material provided withsliding telescopic channels. The tray hanged below the top by steel MS brackets. Finish: All steel components should be epoxy powder coated with seven tanks anti corrosion pre-treatment of surface. ABS wire managers to be provided wherever required for the table top. | | |



Furniture Work

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| | CPU Trolley: Size: - Width: 180mm Depth: 245mm, Height: 210mm Made up of press formed MS CR sheetFinish provision for height & width adjustment. All steel components should be epoxy powder coated with seven tanks anti corrosion pre-treatment of surface. (Coating thickness 50 to 60 micron). | | |
| R3-CS-FUR-04-a | 1800 X 750 X 750 | No's | Rs.26,082.00 |
| R3-CS-FUR-04-b | 1800 X 900 X 750 | No's | Rs.29,484.00 |
| R3-CS-FUR-04-c | 1950 X 750 X 750 | No's | Rs.29,200.00 |
| R3-CS-FUR-04-d | 1950 X 900 X 750 | No's | Rs.31,005.00 |
| R3-CS-FUR-04-e | 2100 X 750 X 750 | No's | Rs.29,862.00 |
| R3-CS-FUR-04-f | 2100 X 900 X 750 | No's | Rs.32,292.00 |
| R3-CS-FUR-04-g | 2100 X 1050 X 750 | No's | Rs.34,515.00 |
| R3-CS-FUR-04-h | 2250 X 900 X 750 | No's | Rs.33,579.00 |
| R3-CS-FUR-04-i | 2250 X 1050 X 750 | No's | Rs.35,919.00 |
| R3-CS-FUR-04-j | 2400 X 900 X 750 | No's | Rs.34,866.00 |
| R3-CS-FUR-04-k | 2400 X 1050 X 750 | No's | Rs.37,323.00 |
| R3-CS-FUR-05 | WORKSTATION TABLE TOP (LIBRARY) | | |
| | Providing table top of required size fixed at a standard table top height of up to 750mm min. (including table topthickness) to Modular partition. Table top shall be made of 25mm thick Marine ply (IS 710 : 2010) , FIRE RETARDENT laminate on all sides / surfaces. All edges of the work surface shall be provided with machine pressed PVC edge banding of 2mm thickness etc. complete. Table top to be principally mounted from the partition frame with suitableMS powder coated brackets which should be integrated into the partition frame etc. complete. | | |
| R3-CS-FUR-05-a | 900 X 450 | No's | Rs.2,106.00 |
| R3-CS-FUR-05-b | 900 X 600 | No's | Rs.2,808.00 |
| R3-CS-FUR-05-c | 1050 X 450 | No's | Rs.2,457.00 |
| R3-CS-FUR-05-d | 1050 X 600 | No's | Rs.3,276.00 |
| R3-CS-FUR-05-e | 1200 X 450 | No's | Rs.2,808.00 |
| R3-CS-FUR-05-f | 1200 X 600 | No's | Rs.3,744.00 |
| R3-CS-FUR-05-g | 1350 X 600 | No's | Rs.4,212.00 |
| R3-CS-FUR-05-h | 1500 X 600 | No's | Rs.4,680.00 |
| R3-CS-FUR-06 | WORKSTATION TABLE TOP (OFFICE) | | |
| | Providing table top of required size fixed at a standard table top height of upto750mm min (including table top thickness). Table top shall be made of 25mm thick Marine ply(IS 710 : 2010) , FIRE RETARDENT laminate on unexposed face. All edges of the work surface shall be provided with machine pressed PVC edge banding of 2mm thickness etc. complete. Table top to be principally mounted from the partition frame with suitable MS powder coated brackets which should be integrated into the partition frame etc.complete. Execution of this item should be make as per the instructions of Achitect in Charge. | | |
| | Accessories | | |
| | Key Board Tray -. Size: - Width: 600mm, Depth: 270, Height: 70mm keyboard pullout tray made up of durable ABS (Acrylonitrile Butadiene Styrene) material provide with sliding telescopic channels. The tray hanged below the top by steel MS brackets. Finish: All steel components should be epoxy powder coated after seven tanks anti corrosion pre-treatment of surface. ABS wire managers to be provided where required forthe table top. | | |
| | CPU Trolley: Size: - Width: 180mm Depth: 245mm, Height: 210mm Made up of press formed MS CR sheetFinish provision for height & width adjustment. All steel components should be epoxy powder coated after seven tanks anti corrosion pre-treatment of surface. (Coating thickness50 to 60 micron). | | |
| R3-CS-FUR-06-a | 1200 X 600 | No's | Rs.6,048.00 |



Furniture work

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| R3-CS-FUR-06-b | 1350 X 600 | No's | Rs.6,804.00 |
| R3-CS-FUR-06-c | 1500 X 600 | No's | Rs.7,560.00 |
| R3-CS-FUR-06-d | 1650 X 600 | No's | Rs.8,316.00 |
| R3-CS-FUR-06-e | 1800 X 600 | No's | Rs.9,072.00 |
| | | | |
| R3-CS-FUR-07 | L - SHAPE WORKSTATION TABLE TOP WITH ONE GABLE END SUPPORT | | |
| | Providing table top of required size fixed at a standard table top height of upto 750mm min (including table top thickness). Table top shall be made of 25mm thick Marine ply (IS 710 : 2010), FIRE RETARDENT laminate on all sides / surfaces. All edges of the work surface shall be provided with machine pressed PVC edge banding of 2mm thickness etc. complete. Table top to be principally mounted from the partition frame with suitable MS powder coated brackets which should be integrated into the partition frame. Gable End Supports of approved profile and design between tables consisting of 18mm Marine ply (IS 710 : 2010) panels duly edge bound (to be integrated with the partition. Adjustable levellers to be provided to supports.) etc. complete. | | |
| | Accessories | | |
| | Key Board Tray - Size: - Width: 600mm, Depth: 270, Height: 70mm keyboard pullout tray made up of durable ABS (Acrylonitrile Butadiene Styrene) material provide with sliding telescopic channels. The tray hanged below the top by steel MS brackets. Finish: All steel components should be epoxy powder coated after seven tanks anti corrosion pre-treatment of surface. ABS wire managers to be provided where required for the table top. | | |
| | CPU Trolley: Size: - Width: 180mm Depth: 245mm, Height: 210mm Made up of press formed MS CR sheet Finish provision for height & width adjustment. All steel components should be epoxy powder coated after seven tanks anti corrosion pre-treatment of surface. (Coating thickness 50 to 60 micron) | | |
| R3-CS-FUR-07-a | 1500 X 600 & side 900 x 450 | No's | Rs.12,852.00 |
| R3-CS-FUR-07-b | 1500 X 600 & side 900 x 600 | No's | Rs.13,608.00 |
| R3-CS-FUR-07-c | 1650 X 600 & side 900 x 450 | No's | Rs.13,797.00 |
| R3-CS-FUR-07-d | 1650 X 600 & side 900 x 600 | No's | Rs.14,364.00 |
| R3-CS-FUR-07-e | 1800 X 600 & side 900 x 450 | No's | Rs.12,852.00 |
| R3-CS-FUR-07-f | 1800 X 600 & side 900 x 600 | No's | Rs.15,120.00 |
| R3-CS-FUR-07-g | 1800 X 600 & side 1050 x 450 | No's | Rs.15,120.00 |
| R3-CS-FUR-07-h | 1800 X 600 & side 1050 x 600 | No's | Rs.15,876.00 |
| | | | |
| R3-CS-FUR-08 | CONFERENCE TABLE | | |
| | Providing and fixing of Modular Conference table of required size made from modules. Each table module top should be made up of 30mm / 32mm thick Marine ply (IS 710 : 2010). Gable ends Sides in Marine ply (IS 710 : 2010) . All boards' components like top, sides etc. are finished with 2mm thick machine pressed PVC edge banding in matching colour. (Rehau Make/or Equivalent) for better impact resistance etc. complete. Other components like modesty panels of 600mm height (apron) shall be made of 18mm thick Commercial Plywood (IS 303 : 1989) in approved colour and shade as per pre-approved sample. Adjustable levellers to be provided to gable end supports etc. complete. | | |
| R3-CS-FUR-08-a | Module 1 - 750 x 600 x 750 - 1 seater | No's | Rs.11,718.00 |
| R3-CS-FUR-08-b | Module 2 - 900 x 600 x 750 - 1 seater | No's | Rs.14,175.00 |
| R3-CS-FUR-08-c | Module 3 - 1350 x 600 x 750 - 2 seater | No's | Rs.16,536.00 |
| R3-CS-FUR-08-d | Module 4 - 1500 x 600 x 750 - 2 seater | No's | Rs.21,060.00 |
| R3-CS-FUR-08-e | Module 5 - 1350 Dia quarter Circle x 600 depth x 750 height - 1 seater | No's | Rs.14,175.00 |
| R3-CS-FUR-08-f | Module 6 - 1350 Dia Semi Circle x 600 depth x 750 height - 2 seater | No's | Rs.16,560.00 |
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Furniture Work

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| R3-CS-FUR-09 | DISCUSSION TABLE | | |
| | Providing and fixing of Modular table of required size. Table top shall be made of 25mm thick Marine ply (IS 710 : 2010) , FIRE RETARDENT laminate on all sides / surfaces. Sides in 25mm Commercial Plywood (IS 303 : 1989) . All boards components like top, sides etc. are finished with 2mm thick machine pressed PVC edge banding in matching colour. (Rehau Make/or Equivalent) for better impact resistance. Double modesty panel height max 450mm of 18mm Marine ply (IS 710 : 2010) in approved colour and shade as per pre- approved sample. Modesty panels to be separated by min 50mm clear gap between and cut-outs etc. to make to accommodate electrical/data switches/sockets where indicated. Cables from floor to the modesty panel should be concealed / fixed along with the table vertical supports etc. complete. Adjustable levellers to be provided to supports. | | |
| | Provision of Power Dock for wire management etc. complete. | | |
| R3-CS-FUR-09-a | 1200 x 900 x 750 | No's | Rs.14,175.00 |
| R3-CS-FUR-09-b | 1800 x 900 x 750 | No's | Rs.21,735.00 |
| R3-CS-FUR-09-c | 1800 x 1200 x 750 | No's | Rs.27,207.00 |
| R3-CS-FUR-09-d | 2400 x 900 x 750 | No's | Rs.27,072.00 |
| R3-CS-FUR-09-e | 2400 x 1200 x 750 | No's | Rs.33,156.00 |
| R3-CS-FUR-09-f | 2400 x 1500 x 750 | No's | Rs.39,240.00 |
| | | | |
| R3-CS-FUR-10 | CENTER TABLE | | |
| | Providing and supplying center table of required size with top made of 8mm thick clear toughened glass with bevelled edge from bottom edge of the glass border and vertical edge with polish etc. complete. Understructure made of 25mm thick Marine ply (IS 710 : 2010) with all exposed edge finished with 2mm thick machine pressed PVC edge banding in matching colour. (Rehau Make/or Equivalent) for better impact resistance. Nylon button stopper to hold glass top in position, Nylon bushers etc. complete. | | |
| R3-CS-FUR-10-a | 900 x 450 x 450 | No's | Rs.6,426.00 |
| R3-CS-FUR-10-b | 900 x 600 x 450 | No's | Rs.7,128.00 |
| R3-CS-FUR-10-c | 1200 x 600 x 450 | No's | Rs.10,962.00 |
| R3-CS-FUR-10-d | 1200 x 900 x 450 | No's | Rs.14,256.00 |
| | | | |
| R3-CS-FUR-11 | CORNER | | |
| | Providing and supplying corner table of required size with top made of 8mm thick bevelled glass and under structure made of 18mm thick Marine ply (IS 710 : 2010) with all exposed edge are finished with 2mm thick machine pressed PVC edge banding in matching colour. (Rehau Make/or Equivalent) for better impact resistance etc. complete. Nylon button stopper to hold glass top in position, Nylon bushers etc. complete. | | |
| R3-CS-FUR-11-a | 450 X 450 X 450 | No's | Rs.4,806.00 |
| R3-CS-FUR-11-b | 600 X 600 X 450 | No's | Rs.6,048.00 |
| | | | |
| R3-CS-FUR-12 | SECONDARY WORK TABLE TOP (OFFICE) | | |
| | Providing and supplying secondary work table top of required size with top made of 8mm thick bevelled glass and under structure made of 18mm thick Marine ply (IS 710 : 2010) with all exposed edge are finished with 2mm thick machine pressed PVC edge banding in matching colour. (Rehau Make/or Equivalent) for better impact resistance etc. complete. Nylon button stopper to hold glass top in position, Nylon bushers etc. complete. | | |
| R3-CS-FUR-12-a | 900 x 500 | No's | Rs.2,808.00 |
| R3-CS-FUR-12-b | 1200 x 500 | No's | Rs.3,744.00 |
| | | | |
| R3-CS-FUR-13 | SIDE / BACK CREDENZA (750mm) | | |



Furniture Work

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| | <p>Providing and supplying Modular Side/Back Credenza made up of required size. Top made of 25mm Marine ply (IS 710 : 2010), having post formed decorative laminate of 0.8mm on top and FIRE RETARDENT laminate on all sides / surfaces. Sides, Sides in 25mm thk Marine ply (IS 710 : 2010).</p> <p>Adjustable shelf made in 25mm thk Marine ply (IS 710 : 2010) placed on standard shelf pins. Storage Back made of 9mm thick Marine ply (IS 710 : 2010) etc. complete. Sides, Shuttters, Bottom, adjustable shelf, finished 2mm thick machine pressed PVC Edge banding of required size etc.</p> <p>Hardware set to include 110 degree opening self- closing box hinges, Counter Sunk screw, S.S.Brush Finished, Handles L' Clips Selves support. Multipurpose lock, Levelling Bolt with inserts etc. complete Aluminium furniture feet — Round tube, diameter 40 mm with 100 mm height with suitable finish to match handles" Shape SS Brush finished handles as indicated in the drawing provided by architect, suitable locking provision. Execution of this item should be make as per the instructions of Achitect in Charge.</p> | | |
| R3-CS-FUR-13-a | 900 x 500 x 750 | No's | Rs.9,828.00 |
| R3-CS-FUR-13-b | 1200 x 500 x 750 | No's | Rs.13,230.00 |
| R3-CS-FUR-13-c | 1500 x 500 x 750 | No's | Rs.16,443.00 |
| R3-CS-FUR-13-d | 1800 x 500 x 750 | No's | Rs.19,845.00 |
| R3-CS-FUR-13-e | 2100 x 500 x 750 | No's | Rs.23,625.00 |
| R3-CS-FUR-13-f | 2400 x 500 x 750 | No's | Rs.26,460.00 |
| R3-CS-FUR-14 | PEDESTAL DRAWER UNIT | No's | Rs.10,935.00 |
| | <p>Providing and supplying Modular Pedestal unit with 3 drawers of required shape and size, 560 x 450 x 650 mm LxWxH. Top made of 18mm thick Marine ply (IS 710 : 2010), having post formed decorative laminate of 0.8mm on top and 0.6mm balancing laminate on unexposed face. Sides in 18mm both side Prelaminate Particle boards (Interior Grade) and Back made of 9mm thick both side prelaminate particle board, finished with 2 mm thick machine pressed PVC edge band on all edges etc. complete. Width of drawer unit</p> | | |
| R3-CS-FUR-15 | MODULAR STORAGE CUPBOARDS | | |
| | <p>Providing and supplying Modular CUPBOARD made up of required size. Top made of 25mm Marine ply (IS 710 : 2010), having post formed decorative laminate of 0.8mm on top and FIRE RETARDENT laminate on all sides / surfaces etc. complete. Sides, Sides in 25mm thk Marine ply (IS 710 : 2010). Adjustable shelf made in 25mm thk Marine ply (IS 710 : 2010) placed on standard shelf pins etc. complete.</p> <p>Storage Back made of 9mm thick Marine ply (IS 710 : 2010) etc. Sides, Shuttters, Bottom, adjustable shelf, finished 2mm thick machine pressed PVC Edge banding of required size etc. Hardware set to include 110 degree opening self- closing box hinges, Counter Sunk screw, S.S.Brush Finished, Handles L' Clips Selves support etc. complete. Multipurpose lock, Levelling Bolt with inserts etc. complete. Aluminium furniture feet — Round tube, diameter 40 mm with 100 mm height with suitable finish to match handles" Shape SS Brush finished handles as indicated in the drawing, suitable locking provision etc. complete.</p> | | |
| R3-CS-FUR-15-a | 900 x 450 x 1200 - 2 SHELVES | No's | Rs.16,065.00 |
| R3-CS-FUR-15-b | 900 x 450 x 1350 - 2 SHELVES | No's | Rs.17,955.00 |
| R3-CS-FUR-15-c | 900 x 450 x 1500 - 3 SHELVES | No's | Rs.19,845.00 |
| R3-CS-FUR-15-d | 900 x 450 x 1650 - 3 SHELVES | No's | Rs.21,735.00 |
| R3-CS-FUR-15-e | 900 x 450 x 1800 - 4 SHELVES | No's | Rs.23,814.00 |
| R3-CS-FUR-15-f | 900 x 450 x 1950 - 4 SHELVES | No's | Rs.26,082.00 |
| R3-CS-FUR-16 | LOUNGE SOFA | | |



Furniture Work

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| | Providing and Placing Lounge Chair are made of steel pipe 30to 35 mm dia of 16 swg. Frame chrome plated, seat & backmade of high density foam covered with tapestry approved by E-I- Charge. (Basic rate Rs. 300/- metre.)and having steel arms at the side, available in the following option etc. complete. | | |
| R3-CS-FUR-16-a | 1 seater | No's | Rs.5,954.00 |
| R3-CS-FUR-16-b | 2 seater | No's | Rs.11,057.00 |
| R3-CS-FUR-16-c | 3 seater | No's | Rs.15,876.00 |
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| R3-CS-FUR-17 | CABIN SOFA | | |
| | Providing and supplying wooden sofa made with minimum 19mm.Marine ply (IS 710 : 2010) structure and internal frame work made of C.P. teak / Maranti wood seat made with minimum 19mm. Marine ply (IS 710 : 2010) and cushion madewith foam of 150mm thick - 32 density on seat covered with 14mm thick - 18 density foam. Back made with wooden frame of minimum 50mm X 40mm with 4 mm. ply and coveredwith foam of 100mm thick - 32 densities covered with 14mm thick - 18 density foam for back extra support to the shape all foam of seat and back covered with tapestry approved by E-I-Charge. (Basic rate Rs. 450/- metre.) Handle made with wooden frame with box of 12mm. ply covered with 14mm thick - 18 density foam with tapestry etc.complete. | | |
| R3-CS-FUR-17-a | 1 seater | No's | Rs.17,955.00 |
| R3-CS-FUR-17-b | 2 seater | No's | Rs.34,965.00 |
| R3-CS-FUR-17-c | 3 seater | No's | Rs.52,920.00 |
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| R3-CS-FUR-18 | ROUND MEETING TABLE | | |
| | Providing table top of required size fixed at a standard table top height of upto750mm min (including table top thickness). Table top shall be made of 25mm thick Marine Plywood (IS 710 : 2010) and FIRE RETARDENT laminate onall sides / surfaces. Sides with S.S.Round Under structure etc. complete. | | |
| R3-CS-FUR-18-a | 900 Dia | No's | Rs.10,395.00 |
| R3-CS-FUR-18-b | 1200 Dia | No's | Rs.1,3608.00 |
| R3-CS-FUR-18-c | 1500 Dia | No's | Rs.1,6254.00 |
| | | | |
| R3-CS-FUR-19 | ROLLER BLINDS - MICRO AERATED | Sq M | Rs.1,118.00 |
| | Providing & fixing premium quality Roller blinds with prestress Micro-aerated solar protection fabric of high tenacity Polyester yarn with PVC coating and fungi static treatment etc. complete. and should block the light flux & offer elimination of glare and sunlight. | | |
| | Fabric composition - 40% Polyester / 60% PVC. | | |
| | Weight - 400 g/sq.m (+/- 5%) | | |
| | Thickness - 0.45 mm | | |
| | Fabric openness factor - 4% | | |
| | Tensile strength (warp / weft) - 220/220 daN/5cm | | |
| | Tearing Strength (warp/weft) - 30/25 daN | | |
| | Fire retardancy: M2 | | |
| | | | |
| R3-CS-FUR-20 | ROLLER BLINDS - ALUMINIUM BACKING | Sq M | Rs.1,641.00 |
| | Providing & fixing premium quality Roller blinds with Solar protection of high tenacity Polyester Yarn with PVCcoating & Aluminium Backing and fungi static treatment etc.complete and should block the light flux & offer elimination ofglare and sunlight /radiance Fabric shall have visible light & solar properties & greengaurd (gold) Indoor Air quality & children & school certified. | | |
| | Fabric composition - 39% Polyester / 61% PVC with alumium backing. | | |
| | Weight - 290 g/sq.m (+/- 5%) | | |
| | Thickness - 0.32 mm (+/- 5%) | | |
| | Fabric openness factor - 3% | | |



Furniture Work

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| | Tensile strength (warp / weft) - 160/170 daN/5cm | | |
| | Tearing Strength (warp/weft) - 11/13 daN | | |
| | Backing - Aluminium backing. | | |
| | Fungi static treatment - Degree 0 Excellent (EN ISO 846-A) | | |
| | Fire retardancy: B-s2,d0/EN 13501-1, class A/ASTM E84. | | |
| R3-CS-FUR-21 | ROLLER BLINDS - COLOUR BACKING | Sq M | Rs.1,641.00 |
| | Providing & fixing premium quality Roller blinds with prestress Solar protection fabric of high tenacity Polyester Yarn with PVC coating and fungi static treatment and should block the light flux & offer elimination of glare and sunlight /radiance etc. complete. Fabric shall have visible light & solar properties & Greengard (gold) Indoor Air quality & children & school certified. | | |
| | Fabric composition - 39% Polyester / 61% PVC with aluminium backing. | | |
| | Weight - 290 g/sq.m (+/- 5%) | | |
| | Thickness - 0.32 mm (+/- 5%) | | |
| | Fabric openness factor - 3% | | |
| | Tensile strength (warp / weft) - 160/170 daN/5cm | | |
| | Tearing Strength (warp/weft) - 11/13 daN | | |
| | Backing - Aluminium backing. | | |
| | Fungi static treatment - Degree 0 Excellent (EN ISO 846-A) | | |
| | Fire retardancy: B-s2,d0/EN 13501-1, class A/ASTM E84. | | |
| R3-CS-FUR-22 | ROLLER BLINDS - COMPLETE BLACKOUT | Sq M | Rs.2,118.00 |
| | Providing & fixing premium quality Roller blinds with prestress Solar protection fabric of high tenacity Polyester Yarn with PVC coating and fungi static treatment and should block the light flux & offer elimination of glare and sunlight /radiance etc. complete. Fabric shall have visible light & solar properties & Greengard (gold) Indoor Air quality & children & school certified. | | |
| | Weight - 540 g/sq.m (+/- 5%) | | |
| | Thickness - 0.47 mm (+/- 5%) | | |
| | Fabric openness factor - 0% | | |
| | Tensile strength (warp / weft) - 160/170 daN/5cm | | |
| | Tearing Strength (warp/weft) - 11/13 daN | | |
| | Fungi static treatment - Degree 0 Excellent (EN ISO 846-A) | | |
| | Fire retardancy: B-s2,d0/EN 13501-1, class A/ASTM E84. | | |
| R3-CS-FUR-23 | RECEPTION TABLE | No's | Rs.40,512.00 |
| | Providing and Supplying Reception table of overall size 1650 X 750 X 750 mm made out of 19 mm thick Marine ply (IS 710 : 2010) top Sides and apron having Top and bottom horizontal patta. The table shall be externally and internally finished with 4mm thick group match veneer pattern with grooves including necessary lipping moulding and hardware. 5 mm thick toughened glass modesty shall be provided with 50 X 30 mm BTC wood frame etc. complete. Antitermite treatment to marine ply and all wooden accessories on both sides for full faces before the joineries melamine polish on french polish basecoat, hardware as per drawings. etc. all complete as per Architects Drawing. | | |
| R3-CS-FUR-24 | DINING TABLE | | |



Furniture Work

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| | Providing and Fixing Dining table of Overall S.S (IS 6911:1992), grade of steel 304, Thickness of the table is 40 mm Structure top to be Of s.s 18 SWG 304, Grit. Under Structure to be Vertical poles of 50 mm Dia (16 gauge 304 grade) and top and Bottom supporting frame Structure to be 50 x 50 mm Square tube etc. complete. Glide shall be of Plastic fixed at the under structure to prevent the damage of table top during stacking. Legs shall be of SS and 38 mm dia (16 gauge 304 grades). pipe legs are fixed with under structure and table top etc. complete. | | |
| R3-CS-FUR-24-a | 4 SEATER 1200 X 1000 X 750 | No's | Rs.35,000.00 |
| R3-CS-FUR-24-b | 6 SEATER 1800 X 1000 X 750 | No's | Rs.45,000.00 |
| R3-CS-FUR-25 | DINING CHAIR | No's | Rs.8,597.00 |
| | Providing and fixing SS (IS 6911:1992) grade of steel 304 Dining chairs for dining Hall and dining Room area as per the drawing or approved size and shape including all lead lift shifting to work location etc. complete. | | |
| R3-CS-FUR-26 | WOODEN DIAS | No's | Rs.12,944.00 |
| | WOODEN DIAS : Providing and fixing Wooden Dias of size 600x 600 x 1420 mm height in as per the detail specification given below. Top size (600 x 600 mm) side (600 x 1420 mm), front side (600 x 1420 mm) made up in 19 mm thick Marine Plywood (IS 710 : 2010) of requisite manufacturer's viz. Green / Anchor / Centuary or equivalent approved make including necessary facias etc. with necessary lipping (BTC), mouldings as required including cutting, fixing, finished with 1 mm thick laminate of approved make ,type , colour and shade of glossy / Matt / Suede / Fine / Line / Wood grain finished lamination pattern with / without grooves as required to exposed surface and edges and the internal / hidden surface shall be finished with 0.80 mm thick laminate of approved make. Area other than laminated surfaces shall be finished with two coats of French polish of approved shade. Antitermite treatment to plywood and woodwork with ten years guarantee bond etc. including all leadslifts etc. complete as per the instructions of the Architect & Engineer-in-charge. | | |
| R3-CS-FUR-27 | BUNK BED | No's | Rs.66,018.00 |
| | Providing and positioning bunk bed made out of approved colour, powder coated, M.S. (IS 513:2008) pipe frame and angle supports. Two end frames shall be made out of 16 gauge and 40 mm dia M.S pipes as vertical supports and 16 gauge 25 mm dia M.S pipes along with 40 x 40 x 6 mm M.S angle lateral frame to receive 12mm thk marine grade ply base for 100 mm thk ,100 density coir mattress etc. complete. Edges of the base ply shall be sealed with 6mm thk T.W lipping. Two nos of 25 mm dia 16 gauge pipe supports shall be provided to support both the base ply and ladder and with necessary Nylon bushers for pipe ends touching to floor and with approved colour powder coating and complete as per the instructions of the Architect or Engineer in charge. Note: This item shall be made in knock down type of arrangement. | | |
| R3-CS-FUR-28 | WALL PAPER | SQMT | Rs.2,360.00 |
| | Providing and fixing wall paper / Graphic for highlighting the walls with proper adhesive in line level for reception, conference & Auditorium rooms and wherever required as per the drawings. Basic rate of Wall paper is Rs..100/- per Sft. Make - D'decor / Nilaya By Asian Paints or equivalent. | | |
| R3-CS-FUR-29 | HIGH BACK CHAIR | No's | Rs.15,500.00 |



Furniture Work

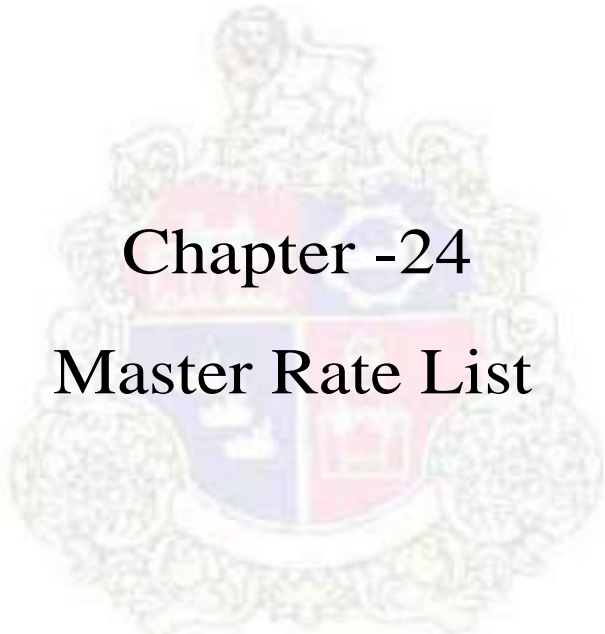
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|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|
| | Providing and supplying center pivot, revolving, High back chair Depth-45cm, width-50cm, height- 121cm to 131cm & seat height 45cm to 55cm. (+/- 2cm) with five legged metal /moulded nylon base with push back arrangement. Chairs shall have high density moulded, 360 revolving on suitable base, gas lift , heavy duty twin wheel castors to take min 80 kg/castor with two - pneumatic height adjustment one piece moulded type polypropylene armrest etc. complete. The chair shall be provided with approved tapestry upto Rs 300/m with necessary beading wherever required. All metal work shall be Epoxy Polyester Powder Coated and as directed by Architect in charge. | | |
| R3-CS-FUR-30 | MID BACK CHAIR Providing and supplying center pivot, revolving, Mid back chair Depth-45cm, width-50cm, height- 105cm to 115cm & seat height-45cm to 55cm. (+/- 2cm) with five legged metal / moulded nylon base with push back arrangement. Chairs shall have high density moulded, 360 revolving on suitable base, gas lift , heavy duty twin wheel castors to take min 80 kg/castor with two - pneumatic height adjustment one piece moulded type polypropylene armrest etc. complete. The chair shall be provided with approved tapestry upto Rs 300/m with necessary beading wherever required. All metal work shall be Epoxy Polyester Powder Coated and as directed by Architect in charge. The over all appearance of the product shall be as per photograph. All metal work shall be Epoxy Polyester Powder Coated and as directed by Architect in charge. | No's | Rs.12,500.00 |
| R3-CS-FUR-31 | LOW BACK CHAIR Providing and supplying low back chair having size Depth- 62cm, width-55cm, height-80cm & seat height 45 cm. (+/- 2cm), having seat & back, shall be made up of 1.2 cm hot pressed plywood, approved tapestry upto Rs.300/m and mould polyurethane foam with P.V.C. lipping all around etc. complete. The chair shall be provided with two one piece armrest made of polypropylene. The chair shall be supported by cantilever type powder coated tubular frame dia 2.54cm x 14 B G M.S.E.R.W. tube. All aluminium steel component shall have Epoxy Polyester Powder Coated. Dry film thickness shall be more than 45 Micron. And as directed by Architect in charge. All metal work shall be Epoxy Polyester Powder Coated and as directed by Architect in charge. | No's | Rs. 9,250.00 |
| R3-CS-FUR-32 | VISITOR CHAIR | No's | Rs.9,500.00 |



Furniture Work

| | | | |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|
| | Providing and supplying visitor chair having size Depth- 62cm, width-55cm, height-80cm & seat height 45 cm. (+/- 2cm), having seat & back, shall be made up of 1.2 cm hot pressed plywood, approved tapestry upto Rs.300/m and mould polyurethane foam with P.V.C. lipping all around etc. complete. The chair shall be provided with two one piece armrest made of polypropylene. The chair shall be supported by cantilever type powder coated tubular frame dia 2.54cm x 14B G M.S.E.R.W. tube. All aluminium steel component shall have Epoxy Polyester Powder Coated. The chair shall be Ergonomic Dry film thickness shall be more than 45 Micron. And as directed by Architect in charge. The over all appearance of the product shall be as per photograph. All metal work shall be Epoxy Polyester Powder Coated and as directed by Architect in charge. | | |
| R3-CS-FUR-33 | DEMOUNTABLE ALUMINIUM GLASS PARTITION - TYPE 1 | SQMT | Rs.8,250.00 |
| | Supply and installation of Demountable Modular Aluminium Frame Glass Partition, Single glazed system comprising of 10mm Toughened Glass and Aluminium profile Sections of size 75MM x 30MM for fixing at Floor level and at false ceiling level with approximate brackets and expansion bolts of standardised S.S. Finish. All Hardware made of standardised S.S. finish etc. complete. The Profile features and double sided adhesive tape guarantees perfect structural union and sound insulation. Finishes exposed aluminium sections are anodized aluminium finish with 6463 T6 Grade. The Quantity for this item will be the glass panel of height 2100MM only. | | |
| R3-CS-FUR-34 | DEMOUNTABLE OPAQUE PANEL PARTITION - TYPE 2 | SQMT | Rs. 9,750.00 |
| | Supply and installation of Demountable Modular partition double skin solid wall partition, 75 mm thick , comprising of aluminium profile sections of 75mm x 30mm, - exposed aluminium sections are anodized aluminium finish with 6463 T6 Grade with a continuous cavity for wire management & includes Acoustic infill of Rockwool 50mm thick. The frames to be fixed at floor level and at the soffit of the slab with appropriate brackets and expansion bolts etc. complete. The panel skin to be 12mm thick prelam boards as per approved design and make. The panel to be fixed with clip-on members and can be removable. The panelling design will be as per the typical sections attached. | | |
| | The system to have provision to replace the prelam panels with back painted glass, soft board panels and ventilator grills as per the design requirement , (At places where these panels are used instead of opaque panel , only the rate of the panels are quoted separately) | | |
| | The cost for this partition includes - Partition with aluminium frame work and acoustic infill of all area which is finished with 12mm prelam particles only. This rate to consider only with 12 mm prelam as all other finishes and difference in cost of other finishes to be quoted elsewhere. All hardware made of standardised s.s. steel | | |





Chapter -24
Master Rate List



| Sr.No | Material Code | Common Items | Unit | Rate |
|-------|---------------|--------------------------------------------------------------------------------------------------|------|----------|
| 1 | LB-01 | Asphalt Sprayer Skilled | Day | 806.00 |
| 2 | LB-02 | Welder | Day | 806.00 |
| 3 | LB-03 | Assistant Plumber Skilled | Day | 806.00 |
| 4 | LB-04 | Barbender Skilled | Day | 806.00 |
| 5 | LB-05 | Bhisti (Water Man) | Day | 734.00 |
| 6 | LB-06 | Blacksmith 1st class | Day | 876.00 |
| 7 | LB-07 | Blacksmith 2nd class | Day | 806.00 |
| 8 | LB-08 | Breaker/Chisler/Hole driller/Jack Hammer operator Semiskilled | Day | 734.00 |
| 9 | LB-09 | Carpenter 1st class | Day | 876.00 |
| 10 | LB-10 | Carpenter 2nd class | Day | 806.00 |
| 11 | LB-11 | Needle Vibrator | Day | 663.00 |
| 12 | LB-12 | Coolie/Mazdoor / Chowkidar/ Helper (Unskilled Male abour) | Day | 663.00 |
| 13 | LB-13 | Driver / Operator (for Road Roller, Concrete Mixer, vibro-rollers, Truck,Jeep etc.) | Day | 806.00 |
| 14 | LB-14 | Electrician | Day | 806.00 |
| 15 | LB-15 | Engraver for lettering skilled | Day | 806.00 |
| 16 | LB-16 | Fitter (grade 1) / Drilling M/c Operator / Grinding Machine operator / Erector | Day | 876.00 |
| 17 | LB-17 | Fitter (grade 2) /Gas cutter | Day | 806.00 |
| 18 | LB-18 | Glazier | Day | 806.00 |
| 19 | LB-19 | Gunman/Nozzelman for Guniting | Day | 734.00 |
| 20 | LB-20 | Mali | Day | 663.00 |
| 21 | LB-21 | Mason (brick layer) 1st class | Day | 876.00 |
| 22 | LB-22 | Mason (brick layer) 2nd class | Day | 806.00 |
| 23 | LB-23 | Mazdoor/Sweeper (female) | Day | 663.00 |
| 24 | LB-24 | Mechanic | Day | 806.00 |
| 25 | LB-25 | Miner or Rock blaster | Day | 734.00 |
| 26 | LB-26 | OPERATOR OF PUMP GUNITE M/C OR COMPRESSOR | Day | 663.00 |
| 27 | LB-27 | Painter semi skilled | Day | 806.00 |
| 28 | LB-28 | Painter first class | Day | 876.00 |
| 29 | LB-29 | Plumber with tools 2nd class | Day | 806.00 |
| 30 | LB-30 | Plumber with tools I st class | Day | 876.00 |
| 31 | LB-31 | Polisher | Day | 663.00 |
| 32 | LB-32 | Semi Skilled Labour (Beldar) | Day | 663.00 |
| 33 | LB-33 | Supervisor/Mistry/Mukadam / Foreman | Day | 806.00 |
| 34 | LB-34 | Tar Handler, Semiskilled | Day | 734.00 |
| 35 | LB-35 | Technician(Electrical) | Day | 876.00 |
| 36 | LB-36 | Tile Layer | Day | 806.00 |
| 37 | LB-37 | Tile Turner, Semiskilled | Day | 734.00 |
| 38 | LB-38 | Tinsmith with tools, semiskilled | Day | 734.00 |
| 39 | LB-39 | Tree cutter, semiskilled | Day | 734.00 |
| 40 | LB-40 | Medical Officer | Day | 1500.00 |
| 41 | LB-41 | Para-medical person | Day | 750.00 |
| 42 | HC-01 | Dewatering Pump of 3HP | Day | 1500.00 |
| 43 | HC-02 | Dewatering Pump of 5HP | Day | 2500.00 |
| 44 | HC-03 | Dewatering Pump of 10HP | Day | 2800.00 |
| 45 | HC-04 | Drilling Machines (hole size 40mm x500 mm deep) | Day | 2050.00 |
| 46 | HC-05 | Pneumatic drill | hole | 60.00 |
| 47 | HC-06 | Drilling machines | Day | 2800.00 |
| 48 | HC-07 | Machinery for Drilling holes (in rock) 75 mm Dia | mt | 400.00 |
| 49 | HC-08 | Long reach excavator - boom length 20m | Day | 13000.00 |
| 50 | HC-09 | Hydraulic Excavator (3D) with driver and fuel (JCB) | Day | 8500.00 |
| 51 | HC-10 | Poclain machine for desilting (min output 300 cu.m per shift) (including two way transportation) | Day | 25000.00 |

| Sr.No | Material Code | Common Items | Unit | Rate |
|-------|---------------|------------------------------------------------------------------------------------------------------------------|------|----------|
| 52 | HC-11 | Pontoon mounted Poclairn machine for desilting (min output 300 cu.m per shift) (including two way trasportation) | Day | 28000.00 |
| 53 | HC-12 | Poclairn HC.300 (including operator & helper,diesel,etc.) | Day | 33000.00 |
| 54 | HC-13 | Tipper truck with 5 cum capacity | Day | 6800.00 |
| 55 | HC-14 | Diesel Truck - 9 tonne | Day | 8000.00 |
| 56 | HC-15 | Truck Trailor 30 tonne capacity | hour | 2400.00 |
| 57 | HC-16 | Sewer cleaning bucket machine | Day | 8800.00 |
| 58 | HC-17 | Loader | Day | 8500.00 |
| 59 | HC-18 | Darda Rock Splitter | Day | 2300.00 |
| 60 | HC-19 | Mechanical Breaker | Day | 750.00 |
| 61 | HC-20 | Pneumatic Breaker | Day | 1300.00 |
| 62 | HC-21 | Rock breaker | Day | 15000.00 |
| 63 | HC-22 | Plate Compactor | Day | 1100.00 |
| 64 | HC-23 | Welding Machine | Day | 2000.00 |
| 65 | HC-24 | Pug Cutting Machine | Day | 450.00 |
| 66 | HC-25 | Grinding Machine | Day | 450.00 |
| 67 | HC-26 | Tractor with ripper attachment | Day | 2850.00 |
| 68 | HC-27 | Tractor with trolley | Day | 2850.00 |
| 69 | HC-28 | Air compressor 250 cfm | Day | 5300.00 |
| 70 | HC-29 | Air compressor with pneumatic chisel attachment for cutting hard clay. | hour | 1025.00 |
| 71 | HC-30 | Compressor with guniting equipment along with accessories | hour | 2250.00 |
| 72 | HC-31 | Joint cutting machine with 2-3 blades | Day | 2200.00 |
| 73 | HC-32 | Concrete Mixer 0.25 to 0.40 cubic metre | Day | 2000.00 |
| 74 | HC-33 | Concrete Mixer - 1 cum | hour | 500.00 |
| 75 | HC-34 | Transit Mixer 4.0/4.5 cum | hour | 2150.00 |
| 76 | HC-35 | Pumping charges of concrete including Hire charges of pump, piping work & accessories etc. | cum | 400.00 |
| 77 | HC-36 | Concrete Pump of 45 & 30 cum capacity | hour | 250.00 |
| 78 | HC-37 | Water Tanker 5 to 6 KL capacity | km | 60.00 |
| 79 | HC-38 | Water Tanker 5 to 6 KL capacity | hour | 220.00 |
| 80 | HC-39 | Generator blower, cutting machine water tanker etc. | Day | 8200.00 |
| 81 | HC-40 | Generator 33 KVA | hour | 513.00 |
| 82 | HC-41 | Generator 63 KVA | hour | 1100.00 |
| 83 | HC-42 | Generator 100 KVA /125 KVA | Day | 2167.00 |
| 84 | HC-43 | Generator 250 kVA | Day | 4500.00 |
| 85 | HC-44 | Pipe Cutting Machine for following Dia. of pipes | | 0.00 |
| 86 | HC-44-i | 80 mm | Day | 2000.00 |
| 87 | HC-44-ii | 100 mm | Day | 2050.00 |
| 88 | HC-44-iii | 150 mm | Day | 2100.00 |
| 89 | HC-44-iv | 200 mm | Day | 2150.00 |
| 90 | HC-44-v | 250 mm | Day | 2200.00 |
| 91 | HC-44-vi | 300 mm. | Day | 2250.00 |
| 92 | HC-44-vii | 350 mm. | Day | 2300.00 |
| 93 | HC-44-viii | 400 mm. | Day | 2350.00 |
| 94 | HC-44-ix | 450 mm. | Day | 2400.00 |
| 95 | HC-44-x | 500 mm. | Day | 2450.00 |
| 96 | HC-44-xi | 600 mm. | Day | 2500.00 |
| 97 | HC-44-xii | 700 mm. | Day | 2550.00 |
| 98 | HC-44-xiii | 750 mm. | Day | 2600.00 |
| 99 | HC-44-xiv | 800 mm | Day | 2650.00 |
| 100 | HC-44-xv | 900 mm | Day | 2700.00 |
| 101 | HC-44-xvi | 1000 mm | Day | 2750.00 |



| Sr.No | Material Code | Common Items | Unit | Rate |
|-------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------|------|----------|
| 102 | HC-45 | Gas Stove | Day | 280.00 |
| 103 | HC-46 | Chain Pulley Block | Day | 1225.00 |
| 104 | HC-47 | Ratchet Die and Tap Drill | Day | 1225.00 |
| 105 | HC-48 | Electro Fusion Machine | Day | 2850.00 |
| 106 | HC-49 | Electric mirror for butt jointing | Day | 500.00 |
| 107 | HC-50 | Mechanical jack for holding pipes | Day | 1225.00 |
| 108 | HC-51 | Jointing Machine | Day | 2450.00 |
| 109 | HC-52 | Hydraulic jack | Day | 2450.00 |
| 110 | HC-53 | Bitumen Boiler oil fired | hour | 450.00 |
| 111 | HC-54 | Concrete Paver Finisher with 40 HP Motor | hour | 5500.00 |
| 112 | HC-55 | Mobile crane - with boom length 30m (min output 300 cu.m per shift) | Day | 11000.00 |
| 113 | HC-56 | light crane | Day | 5000.00 |
| 114 | HC-57 | Crane with grab 0.75 cum capacity | hour | 1525.00 |
| 115 | HC-58 | Cranes 3 tonnes capacity | hour | 1050.00 |
| 116 | HC-59 | Crane 5 tonne capacity | hour | 1070.00 |
| 117 | HC-60 | Crane 10 tonne capacity | hour | 1100.00 |
| 118 | HC-61 | Crane 15 tonne capacity | hour | 1150.00 |
| 119 | HC-62 | Crane 20 tonne capacity | hour | 1270.00 |
| 120 | HC-63 | Crane 35 tonne capacity | hour | 1575.00 |
| 121 | HC-64 | Crane 40 tonne capacity | hour | 2125.00 |
| 122 | HC-65 | Crane 80 tonne capacity | hour | 2300.00 |
| 123 | HC-66 | Pneumatic Sinking Plant | hour | 7250.00 |
| 124 | HC-67 | Prestressing Jack with Pump & access | hour | 450.00 |
| 125 | HC-68 | Jackhammer | Day | 490.00 |
| 126 | HC-69 | Boat to carry atleast 20 persons | hour | 2600.00 |
| 127 | HC-70 | Epoxy Injection gun | hour | 450.00 |
| 128 | HC-71 | Induction, deinduction and erection of plant and equipment including all components and accessories for pneumatic method of well sinking. | hour | 6450.00 |
| 129 | HC-72 | Jack for Lifting 40 tonne lifting capacity. | Day | 16000.00 |
| 130 | HC-73 | Piling Rig with Bentonite Pump | hour | 8500.00 |
| 131 | HC-74 | Piling rig Including double acting pile driving hammer (Hydraulic rig) | hour | 8850.00 |
| 132 | HC-75 | Piling rig with tripod, winch chisel and other accessories | Day | 5650.00 |
| 133 | HC-76 | Vibrating Pile driving hammer complete with power unit and accessories. | hour | 4708.00 |
| 134 | HC-77 | Vibrator (Needle type 40mm) | Day | 1100.00 |
| 135 | HC-78 | Roller 3T | Day | 5550.00 |
| 136 | HC-79 | Roller 10-12 Tonne | Day | 8400.00 |
| 137 | HC-80 | Vibratory Roller 8 tonne | hour | 2600.00 |
| 138 | HC-81 | 10 Ton Vibro Roller | Day | 14000.00 |
| 139 | HC-82 | Screed Vibrator | Day | 1320.00 |
| 140 | HC-83 | Plate Vibrator | Day | 1320.00 |
| 141 | HC-84 | Pneumatic Road Roller | hour | 2450.00 |
| 142 | HC-85 | Smooth Wheeled Roller 8 tonne | hour | 1100.00 |
| 143 | HC-86 | Dumper | Day | 4500.00 |
| 144 | HC-87 | Sensor Paver (Slip form paver with Electronic Sensor) | Day | 26500.00 |
| 145 | HC-88 | Ordinary Paver | Day | 15500.00 |
| 146 | HC-89 | Mastic Cooker (without diesel) | Day | 2500.00 |
| 147 | HC-90 | Bitumen Pressure Distributor | hour | 2200.00 |
| 148 | HC-91 | Dozer 180 HP @ 60 cum per hour | hour | 4500.00 |
| 149 | HC-92 | Wet Mix Plant 60 TPH (25cum/hr) | Day | 15000.00 |
| 150 | HC-93 | Batching and Mixing Plant @ 75 cum per hour | hour | 4650.00 |
| 151 | HC-94 | Batching and Mixing Plant @ 30 cum per hour capacity | hour | 4550.00 |



| Sr.No | Material Code | Common Items | Unit | Rate |
|-------|---------------|----------------------------------------------------------------------|------|----------|
| 152 | HC-95 | Production cost of the batch mix plant | cum | 1100.00 |
| 153 | HC-96 | Hotmix Plant - 120 TPH capacity | hour | 36700.00 |
| 154 | HC-97 | Hotmix Plant - 100 TPH capacity | hour | 28500.00 |
| 155 | HC-98 | Hydraulic Chip Spreader | hour | 3875.00 |
| 156 | HC-99 | Mechanical Broom Hydraulic | hour | 1100.00 |
| 157 | HC-100 | Mobile slurry seal equipment | hour | 2000.00 |
| 158 | HC-101 | Foden tractor trailer | Day | 6000.00 |
| 159 | HC-102 | Mechanical Sprayer plant | sqm | 50.00 |
| 160 | HC-103 | Bump Integerator | Day | 1500.00 |
| 161 | HC-104 | Falling Weight Deflectometer (FWD) | Day | 1500.00 |
| 162 | HC-105 | Ground Penetrating Radar (GPR) | Day | 30.00 |
| 163 | HC-106 | Grouting pump with agitator | hour | 80.00 |
| 164 | HC-150 | Road marking machine | Day | 5000.00 |
| 165 | HC-151 | Pulley and wench | Day | 5000.00 |
| 166 | MA-GN-01 | Cement (OPC 53 Grade) | MT | 5600.00 |
| 167 | MA-GN-02 | White CEMENT (50 Kg) | Bag | 820.00 |
| 168 | MA-GN-03 | Sulphate Resisting Cement (SRC) | MT | Deleted |
| 169 | MA-GN-04 | Artificial crushed sand | cum | 1589.54 |
| 170 | MA-GN-05 | Plaster Sand | cum | 2649.24 |
| 171 | MA-GN-06 | Stone Aggregate (Metal I) : 6-12 mm nominal size | cum | 1236.31 |
| 172 | MA-GN-07 | Stone Aggregate (Metal II) : 20-32 mm nominal size | cum | 1236.31 |
| 173 | MA-GN-08 | Stone Aggregate (Metal III) : 40 mm nominal size | cum | 1236.31 |
| 174 | MA-GN-09 | RUBBLE FOR MASONARY | cum | 883.08 |
| 175 | MA-GN-10 | RUBBLE FOR SOLING | cum | 706.46 |
| 176 | MA-GN-11 | Through and bond stone | Each | 19.50 |
| 177 | MA-GN-12 | Coarse graded Granular sub-base Material 4.75 mm to 2.36 mm | cum | 1541.00 |
| 178 | MA-GN-13 | Rubble chips | cum | 635.82 |
| 179 | MA-GN-14 | Stone Boulder of size 150 mm and below at Crusher Plant | cum | 1541.00 |
| 180 | MA-GN-15 | Boulder with minimum size of 300 mm for Pitching at Site | cum | 1190.00 |
| 181 | MA-GN-16 | Gravel/Quarry spall at Site- Min 40 Kg wt | cum | 706.46 |
| 182 | MA-GN-17 | Stone grit | cum | 706.46 |
| 183 | MA-GN-18 | Murum | cum | 671.14 |
| 184 | MA-GN-19 | Structural Steel | MT | 56652.00 |
| 185 | MA-GN-20 | Mild Steel bars | MT | 66000.00 |
| 186 | MA-GN-21 | HYSD Bars-Fe 415 (Twisted steel / deformed bars) | MT | 52800.00 |
| 187 | MA-GN-22 | Thermo mechanically treated steel bars (for reinforcement) -TMT 500D | MT | 50900.00 |
| 188 | MA-GN-23 | M.S. plates & Flats | MT | 52344 |
| 189 | MA-GN-24 | Gunny bag | Nos | 9.00 |
| 190 | MA-GN-25 | Fuel Wood | kg | 6.00 |
| 191 | MA-GN-26 | Plaster of paris | Kg | 8.00 |
| 192 | MA-GN-27 | Diesel | ltr | 104.00 |
| 193 | MA-GN-28 | PETROL | ltr | 120.00 |
| 194 | MA-GN-29 | Kerosene | ltr | 72.00 |
| 195 | MA-GN-30 | Shuttering oil | ltr | 75.00 |
| 196 | MA-GN-31 | Binding wire | kg | 83.00 |
| 197 | MA-GN-32 | Water | KL | 250.00 |

| Sr.No | Material Code | Common Items | Unit | Rate |
|-------|---------------|------------------------------------------------------------------------|------------|----------|
| 198 | MA-GN-33 | Bricks 4" | 1000 no | 7500.00 |
| 199 | MA-GN-33A | Bricks 6" | 1000 no | 12200.00 |
| 200 | MA-GN-34 | Bitumen (30-40 grade)/ VG-40 | -Kg | 48 |
| 201 | MA-GN-35 | Bitumen (60-70 grade)/ VG-30 | -Kg | 48 |
| 202 | MA-GN-36 | Bitumen (80-100 grade)/ VG-10 | tonne | 50790 |
| 203 | MA-GN-37 | RMC M10 | Cum | 4406.78 |
| 204 | MA-GN-38 | RMC M15 | Cum | 4576.27 |
| 205 | MA-GN-39 | RMC M20 | Cum | 4950.00 |
| 206 | MA-GN-40 | RMC M25 | Cum | 5437.00 |
| 207 | MA-GN-41 | RMC M30 | Cum | 5628.00 |
| 208 | MA-GN-42 | RMC M35 | Cum | 6005.00 |
| 209 | MA-GN-43 | RMC M40 | Cum | 6293.00 |
| 210 | MA-GN-44 | RMC M45 | Cum | 6505.00 |
| 211 | MA-GN-45 | RMC M50 | Cum | 6895.00 |
| 212 | MA-GN-46 | Mobile engine oil | Cum | 179.00 |
| 213 | MA-GN-47 | Corrosion Resistant Steel (Fe 500D) | MT | 59700.00 |
| 214 | MA-GN-48 | Thermo mechanically treated steel bars (for reinforcement) -TMT 600D | MT | 58150.00 |
| 215 | MA-GN-49 | PPC (Pozzolana Portland Cement) | MT | 5200.00 |
| 216 | MA-GN-50 | OPC 43 Grade | Bags | 265.00 |
| 217 | MA-GN-51 | PSC | Bags | 260.00 |
| 218 | MA-GN-52 | Self Compacting Concrete (M-30 Grade) | Cum | 6000.00 |
| 219 | MA-GN-53 | Self Compacting Concrete (M-35 Grade) | Cum | 6300.00 |
| 220 | MA-GN-54 | Self Compacting Concrete (M-40 Grade) | Cum | 6700.00 |
| 221 | MA-GN-55 | Self Compacting Concrete (M-45 Grade) | Cum | 6950.00 |
| 222 | MA-GN-56 | Self Compacting Concrete (M-50 Grade) | Cum | 7102.00 |
| 223 | MA-GN-57 | RCC Grade of M25 (Sulphate Resistent Cement) (RMC Excludng shuttering) | Cum | 5700.00 |
| 224 | MA-GN-58 | RCC Grade of M30 (Sulphate Resistent Cement) (RMC Excludng shuttering) | Cum | 6000.00 |
| 225 | MA-GN-59 | RCC Grade of M35(Sulphate Resistent Cement) (RMC Excludng shuttering) | Cum | 6400.00 |
| 226 | MA-GN-60 | RCC Grade of M40 (Sulphate Resistent Cement) (RMC Excludng shuttering) | Cum | 6700.00 |
| 227 | MA-GN-61 | RCC Grade of M45 (Sulphate Resistent Cement) (RMC Excludng shuttering) | Cum | 6950.00 |
| 228 | MA-GN-62 | RCC Grade of M50 (Sulphate Resistent Cement) (RMC Excludng shuttering) | Cum | 7150.00 |
| 229 | MA-GN-63 | RCC Grade of M55 (Sulphate Resistent Cement) (RMC Excludng shuttering) | Cum | 7950.00 |
| 230 | MA-GN-64 | RCC Grade of M60 (Sulphate Resistent Cement) (RMC Excludng shuttering) | Cum | 8500.00 |
| 231 | MA-BLD-AT-1 | Chloropyrifos emulsifiable EC 20 | Lit | 222.35 |
| 232 | MA-BLD-AT-3 | Wood preservative for anti-termite treatment | Lit | 81.25 |
| 233 | MA-BLD-AW-1 | Aluminium T or L sections | kg | 320.00 |
| 234 | MA-BLD-AW-2 | Neoprene/EPDM rubber gasket | Rm | 60.00 |
| 235 | MA-BLD-AW-3 | Aluminum decogrill | sqm | 160.00 |
| 236 | MA-BLD-AW-4 | Anodising 25 microns on aluminium sections | kg | 300.00 |
| 237 | MA-BLD-AW-5 | Powder coating 50 microns on aluminium sections. | kg | 265.00 |
| 238 | MA-BLD-AW-6 | Float glass sheet of nominal thickness 3.5 mm | sqm | 753.48 |
| 239 | MA-BLD-AW-7 | Float glass sheet of nominal thickness 4 mm | sqm | 839.59 |
| 240 | MA-BLD-AW-8 | Float glass sheet of nominal thickness 5mm. | sqm | 968.76 |
| 241 | MA-BLD-AW-9 | Float glass sheet of nominal thickness 6mm. | sqm | 1054.87 |
| 242 | MA-BLD-AW-10 | Float glass sheet of nominal thickness 8mm. | sqm | 1237.86 |
| 243 | MA-BLD-AW-11 | Novapan sheet panes of nominal thickness 9mm. | sqm | 1377.79 |
| 244 | MA-BLD-AW-12 | Novapan sheet panes of nominal thickness 12mm. | sqm | 1650.00 |

| Sr.No | Material Code | Common Items | Unit | Rate |
|-------|---------------|-----------------------------------------------------------------------------|----------|----------|
| 245 | MA-BLD-AW-13 | Hardener Laminated sheet 4mm thk. (Bakelite composite panel) | sqm | 699.00 |
| 246 | MA-BLD-AW-14 | 15 mm thick Hollow PVC sheet Panel (Sintex or Equivalent) | sqm | 665.00 |
| 247 | MA-BLD-AW-15 | Acrylic sheet of nominal thickness 6mm. | sqm | 1200.00 |
| 248 | MA-BLD-AW-16 | S.S. mosquito net | sqm | 578.00 |
| 249 | MA-BLD-AW-17 | Stainless steel (SS 304 grade) adjustable friction window stay. 510 x 19 mm | No. | 415.00 |
| 250 | MA-BLD-AW-18 | Novapan sheet panes of nominal thickness 6mm. | sqm | 687.00 |
| 251 | MA-BLD-AW-19 | 12 mm toughened Glass panes | sqm | 65.00 |
| 252 | MA-BLD-EW-1 | Blasting powder | Kg | - |
| 253 | MA-BLD-EW-2 | Fuse | No. | - |
| 254 | MA-BLD-EW-3 | Country Wood | Cum | - |
| 255 | MA-BLD-GN-5 | Production cost of concrete by batch mix plant. | cum | - |
| 256 | MA-BLD-GN-9 | Safeda ballies 125 mm diameter | metre | 80.00 |
| 257 | MA-BLD-GN-11 | Bright finished or black enamelled mild steel screws 25 mm | 100 Nos | 45.00 |
| 258 | MA-BLD-GN-12 | Cement Concrete Jali 40 mm thick | sqm | 695.00 |
| 259 | MA-BLD-GN-13 | Cement Concrete Jali 25 mm thick | sqm | 585.00 |
| 260 | MA-BLD-GN-18 | Mild steel expanded metal 20x60 mm strands | sqm | 425.00 |
| 261 | MA-BLD-GN-19 | Second class kail wood in scantling | Cum | 30910.00 |
| 262 | MA-BLD-GN-20 | Second class kail wood in planks | Cum | 28890.00 |
| 263 | MA-BLD-GN-21 | Fly ash | MT | 3650.00 |
| 264 | MA-BLD-GN-22 | Strips-Aluminium fluted 3.15mm thick and 150mm wide | metre | 245.00 |
| 265 | MA-BLD-GN-23 | Strips Aluminium fluted 3.15mm thick and 200mm wide metre | Metre | 365.00 |
| 266 | MA-BLD-GN-24 | Hollock ballies 125 mm diameter | metre | 86.00 |
| 267 | MA-BLD-GN-25 | Plasticizer / super plasticizer | kilogram | 69.00 |
| 268 | MA-BLD-GN-26 | Wall form panel 1250x500 mm | each | 2627.00 |
| 269 | MA-BLD-GN-27 | Corner angle 45x45x5 mm 1.50 m long | each | 399.00 |
| 270 | MA-BLD-GN-28 | 100 mm channel shoulder 2.5 m long | each | 1680.00 |
| 271 | MA-BLD-GN-29 | Double clip (bridge clip) | each | 282.00 |
| 272 | MA-BLD-GN-30 | Single clip | each | 135.00 |
| 273 | MA-BLD-GN-31 | M.S. tube 40 mm dia | metre | 284.00 |
| 274 | MA-BLD-GN-32 | Wall form panel 1250x450 mm | each | 2542.00 |
| 275 | MA-BLD-GN-33 | Corner angle 45x45x5 m 2.50 m long | each | 663.00 |
| 276 | MA-BLD-GN-34 | Column clamp 450x1070 m | each | 2195.00 |
| 277 | MA-BLD-GN-35 | Prop 4 m | each | 1665.00 |
| 278 | MA-BLD-GN-36 | Adjustable span ESO+SI (2.35-3.40) | each | 2950.00 |
| 279 | MA-BLD-GN-37 | Adjustable telescopic prop 3 m (2.02-3.75 m) | each | 1200.00 |
| 280 | MA-BLD-GN-38 | Beam clamp 300-380 mm (450-1070 mm) | each set | 2195.00 |



| Sr.No | Material Code | Common Items | Unit | Rate |
|-------|---------------|-----------------------------------------------------------------------------------------|---------|---------|
| 281 | MA-BLD-GN-39 | Water proof ply 12mm thick. | sqm | 810.00 |
| 282 | MA-BLD-GN-40 | Hydrophobic silane siloxane coating qtn given by repcon | Sqm | 169.50 |
| 283 | MA-BLD-GN-41 | Cement Concrete Jali 50 mm thick | Sqm | 910.00 |
| 284 | MA-BLD-GN-42 | Carriage of Timber | cum | 80.00 |
| 285 | MA-BLD-GN-43 | Cement Concrete Jali 100 mm thick | sqm | 1830.00 |
| 286 | MA-BLD-GN-44 | Hydrophilic silane siloxane coating qtn given by repcon | sqm | 207.81 |
| 287 | MA-BLD-GN-45 | B.R. Fabric 10 GSM | sqm | 145.00 |
| 288 | MA-BLD-GN-46 | Teak wood battens of size 20 X 20 mm for chamfering of columns | sqm | 2225.00 |
| 289 | MA-BLD-GN-47 | Galvanised steel plain sheets | quintal | 7600.00 |
| 290 | MA-BLD-PN-1 | Lime for painting work | Kg | 17.00 |
| 291 | MA-BLD-PN-2 | Blue pigments for painting work | Lit. | 690.00 |
| 292 | MA-BLD-PN-3 | Color pigments in painting work (Pidilite or equivalent) | Lit. | 565.00 |
| 293 | MA-BLD-PN-4 | Primer for Oil bound distemper/ Acrylic distemper (Water Primer) | Lit. | 88.00 |
| 294 | MA-BLD-PN-5 | Oil bound distemper/ Acrylic distemper | Kg | 43.00 |
| 295 | MA-BLD-PN-6 | Primer for Dry distemper paint | Kg | 60.00 |
| 296 | MA-BLD-PN-7 | Dry distemper paint | Kg | 28.00 |
| 297 | MA-BLD-PN-8 | Primer for Acrylic plastic emulsion | Lit. | 92.00 |
| 298 | MA-BLD-PN-9 | Acrylic plastic emulsion | Lit. | 220.00 |
| 299 | MA-BLD-PN-10 | Primer for Oil paint/ synthetic enamel paint | Lit. | 136.00 |
| 300 | MA-BLD-PN-11 | Oil paint/ synthetic enamel paint | Lit. | 144.00 |
| 301 | MA-BLD-PN-12 | Golden colour oil paint/ synthetic enamel paint | Lit | 226.00 |
| 302 | MA-BLD-PN-13 | Waterproof cement paint | Kg | 32.00 |
| 303 | MA-BLD-PN-14 | Acrylic based APEX emulsion | Lit | 222.00 |
| 304 | MA-BLD-PN-15 | Acrylic based exterior emulsion with silicone Additives | Lit | 315.00 |
| 305 | MA-BLD-PN-16 | Primer for Acrylic based APEX emulsion | Lit | 97.00 |
| 306 | MA-BLD-PN-17 | Textured exterior paint (Granotex) - Textured acrylic paint -- coverage 3.28 lit/10 sqm | Lit | 177.00 |
| 307 | MA-BLD-PN-18 | Aluminum enamel paint | Lit | 172.00 |
| 308 | MA-BLD-PN-19 | Rubber chlorinated paint | Lit | 231.00 |
| 309 | MA-BLD-PN-20 | Fire retarding paint | Lit | 330.00 |
| 310 | MA-BLD-PN-21 | Zink cromet red oxide | Lit | 108.00 |

| Buildings Schedule/Common Schedule 2023 Master Rate List | | | | |
|-------------------------------------------------------------|---------------|-------------------------------------------------------------------------|----------|---------|
| Sr.No | Material Code | Common Items | Unit | Rate |
| 311 | MA-BLD-PN-22 | Whiting powder | Kg | 12.00 |
| 312 | MA-BLD-PN-24 | Primer for Luster paint | Lit | 132.00 |
| 313 | MA-BLD-PN-25 | Luster paint | Lit | 207.00 |
| 314 | MA-BLD-PN-26 | Cipoxy 11 or equivalent as primer | Lit | 344.00 |
| 315 | MA-BLD-PN-27 | Floortop 2000 kit | Kit | 3774.00 |
| 316 | MA-BLD-PN-28 | Ciposcreed 15 | Lit | 289.00 |
| 317 | MA-BLD-PN-29 | Cipothane SL | Lit | 477.00 |
| 318 | MA-BLD-PN-30 | SS 200 (Formulated Quartz, Agreegates) | Kg | 21.00 |
| 319 | MA-BLD-PN-31 | Acid proof paint (chocolate or black) | litre | 205.00 |
| 320 | MA-BLD-PN-32 | Anticorrosive bituminous paint (black) | litre | 83.00 |
| 321 | MA-BLD-PN-33 | Black Japan | litre | 115.00 |
| 322 | MA-BLD-PN-34 | Roofing paint for iron sheets in red colour | litre | 253.00 |
| 323 | MA-BLD-PN-35 | Water proofing cement paint | kilogram | 64.00 |
| 324 | MA-BLD-PN-36 | Ordinary varnish | litre | 119.00 |
| 325 | MA-BLD-PN-37 | Superior copal varnish | litre | 184.00 |
| 326 | MA-BLD-PN-38 | Superior spar varnish | litre | 184.00 |
| 327 | MA-BLD-PN-39 | Premium Acrylic exterior paint | litre | 229.00 |
| 328 | MA-BLD-HM-1 | Brass mortice latch 100x65mm with a pair of brass lever handles | No. | 378.00 |
| 329 | MA-BLD-HM-2 | Chromium plated Brass mortice latch and lock 100x65 mm with 6 | No. | 637.00 |
| 330 | MA-BLD-HM-3 | Chromium plated Brass Night latch | No. | 640.00 |
| 331 | MA-BLD-HM-4 | Bright finished or black enameled mild steel butt hinges 150 mm long | 10 Nos | 65.00 |
| 332 | MA-BLD-HM-5 | Bright finished or black enameled mild steel butt hinges 125x65x2.12 mm | 10 Nos | 33.00 |
| 333 | MA-BLD-HM-6 | Bright finished or black enameled mild steel butt hinges 100x58x1.90 mm | 10 Nos | 24.00 |
| 334 | MA-BLD-HM-7 | Bright finished or black enameled mild steel butt hinges 75x47x1.70 mm | 10 Nos | 16.00 |
| 335 | MA-BLD-HM-8 | Brass butt hinges (light/ordinary type) : 150 mm Long | 10 Nos | 250.00 |

| Sr.No | Material Code | Common Items | Unit | Rate |
|-------|---------------|--------------------------------------------------------------|--------|--------|
| 336 | MA-BLD-HM-9 | Brass butt hinges (light/ordinary type) : 125x70x4 mm | 10 Nos | 220.00 |
| 337 | MA-BLD-HM-10 | Brass butt hinges (light/ordinary type) : 100x70x4 mm | 10 Nos | 210.00 |
| 338 | MA-BLD-HM-11 | Brass butt hinges (light/ordinary type) : 75x40x2.5 mm | 10 Nos | 150.00 |
| 339 | MA-BLD-HM-12 | Anodised Aluminium butt hinges 75x63x4 mm | 10 Nos | 82.00 |
| 340 | MA-BLD-HM-13 | Anodised Aluminium butt hinges 100x75x4 mm | 10 Nos | 128.00 |
| 341 | MA-BLD-HM-14 | Anodised Aluminium butt hinges 125x75x4 mm | 10 Nos | 195.00 |
| 342 | MA-BLD-HM-15 | Anodised Aluminium butt hinges 150 mm long | 10 Nos | 266.00 |
| 343 | MA-BLD-HM-16 | Stainless steel butt hinges 150 mm long | 10 Nos | 106.00 |
| 344 | MA-BLD-HM-17 | Stainless steel butt hinges 125x64x1.9 mm IS : 12817 marked | 10 Nos | 69.00 |
| 345 | MA-BLD-HM-18 | Stainless steel butt hinges 100x58x1.9 mm IS : 12817 marked | 10 Nos | 58.00 |
| 346 | MA-BLD-HM-19 | Stainless steel butt hinges 75x47x1.8 mm IS : 12817 marked | 10 Nos | 39.00 |
| 347 | MA-BLD-HM-20 | Stainless steel butt hinges with ball bearings 150mm long | 10 Nos | 280.00 |
| 348 | MA-BLD-HM-21 | Stainless steel butt hinges with ball bearings 125mm long | 10 Nos | 220.00 |
| 349 | MA-BLD-HM-22 | Stainless steel butt hinges with ball bearings 100mm long | 10 Nos | 180.00 |
| 350 | MA-BLD-HM-23 | Stainless steel butt hinges with ball bearings 75mm long | 10 Nos | 150.00 |
| 351 | MA-BLD-HM-24 | Oxidised mild steel parliamentary hinges 150x125x27x2.8 mm | 10 Nos | 95.00 |
| 352 | MA-BLD-HM-25 | Oxidised mild steel parliamentary hinges 125x125x27x2.8 mm | 10 Nos | 72.00 |
| 353 | MA-BLD-HM-26 | Oxidised mild steel c100x125x27x2.8 mm | 10 Nos | 60.00 |
| 354 | MA-BLD-HM-27 | Oxidised mild steel parliamentary hinges 75x100x20x2.24 mm | 10 Nos | 42.00 |
| 355 | MA-BLD-HM-28 | 75mm long Bright finished M.S. pressed parliamentary hinges | 10 Nos | 36.00 |
| 356 | MA-BLD-HM-29 | 100mm long Bright finished M.S. pressed parliamentary hinges | 10 Nos | 48.00 |
| 357 | MA-BLD-HM-30 | 125mm long Bright finished M.S. pressed parliamentary hinges | 10 Nos | 60.00 |
| 358 | MA-BLD-HM-31 | 150mm long Bright finished M.S. pressed parliamentary hinges | 10 Nos | 78.00 |
| 359 | MA-BLD-HM-32 | 75mm long brass parliamentary hinges with chromium plating | 10 Nos | 307.00 |
| 360 | MA-BLD-HM-33 | 100mm long brass parliamentary hinges with chromium plating | 10 Nos | 345.00 |
| 361 | MA-BLD-HM-34 | 125mm long brass parliamentary hinges with chromium plating | 10 Nos | 402.00 |
| 362 | MA-BLD-HM-35 | 150mm long brass parliamentary hinges with chromium plating | 10 Nos | 462.00 |
| 363 | MA-BLD-HM-36 | Oxidised mild steel tower bolt (barrel type) 300 mm long | No. | 45.00 |
| 364 | MA-BLD-HM-37 | Oxidised mild steel double acting spring hinges 150 mm | No. | 120.00 |
| 365 | MA-BLD-HM-38 | Oxidised mild steel double acting spring hinges 125 mm | No. | 123.00 |
| 366 | MA-BLD-HM-39 | Oxidised mild steel double acting spring hinges 100 mm | No. | 111.00 |
| 367 | MA-BLD-HM-40 | Brass double acting spring hinges 150 mm | No. | 630.00 |
| 368 | MA-BLD-HM-41 | Brass double acting spring hinges 125 mm | No. | 410.00 |



| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|----------------------------------------------------------|---------|--------|
| 369 | MA-BLD-HM-42 | Brass double acting spring hinges 100 mm | No. | 370.00 |
| 370 | MA-BLD-HM-43 | 250mm long Iron oxidized aldop | 10 Nos. | 111.00 |
| 371 | MA-BLD-HM-44 | 300mm long Iron oxidized aldop | 10 Nos. | 120.00 |
| 372 | MA-BLD-HM-45 | 250mm long standard brass aldop | 10 Nos. | 143.00 |
| 373 | MA-BLD-HM-46 | 300mm long standard brass aldop | 10 Nos. | 185.00 |
| 374 | MA-BLD-HM-47 | 250mm long anodized aluminum aldop | 10 Nos. | 130.00 |
| 375 | MA-BLD-HM-48 | 300mm long anodized aluminum aldop | 10 Nos. | 185.00 |
| 376 | MA-BLD-HM-49 | 250mm long standard S.S. aldop | 10 Nos. | 157.00 |
| 377 | MA-BLD-HM-50 | 300mm long standard S.S. aldop | 10 Nos. | 40.00 |
| 378 | MA-BLD-HM-51 | Oxidised mild steel tower bolt (barrel type) 250x10 mm | No. | 65.00 |
| 379 | MA-BLD-HM-52 | Oxidised mild steel tower bolt (barrel type) 200x10 mm | No. | 49.50 |
| 380 | MA-BLD-HM-53 | Oxidised mild steel tower bolt (barrel type) 150x10 mm | No. | 42.50 |
| 381 | MA-BLD-HM-54 | Oxidised mild steel tower bolt (barrel type) 100x10 mm | No. | 34.50 |
| 382 | MA-BLD-HM-55 | Anodised Aluminium tower bolt (barrel type)300x10 mm | 10 Nos | 120.00 |
| 383 | MA-BLD-HM-56 | Anodised Aluminium tower bolt (barrel type)250x10 mm | 10 Nos | 100.00 |
| 384 | MA-BLD-HM-57 | Anodised Aluminium tower bolt (barrel type)200x10 mm | 10 Nos | 80.00 |
| 385 | MA-BLD-HM-58 | Anodised Aluminium tower bolt (barrel type)150x10 mm | 10 Nos | 60.00 |
| 386 | MA-BLD-HM-59 | Anodised Aluminium tower bolt (barrel type)100x10 mm | 10 Nos | 80.00 |
| 387 | MA-BLD-HM-60 | Brass tower bolt (barrel type) 300 mm long | No. | 240.00 |
| 388 | MA-BLD-HM-61 | Brass tower bolt (barrel type) 250x10 mm | No. | 200.00 |
| 389 | MA-BLD-HM-62 | Brass tower bolt (barrel type) 200x10 mm | No. | 160.00 |
| 390 | MA-BLD-HM-63 | Brass tower bolt (barrel type) 150x10 mm | No. | 120.00 |
| 391 | MA-BLD-HM-64 | Brass tower bolt (barrel type) 100x10 mm | No. | 80.00 |
| 392 | MA-BLD-HM-65 | Stainless steel tower bolt (barrel type) 100 mm long | No. | 40.00 |
| 393 | MA-BLD-HM-66 | Stainless steel tower bolt (barrel type) 150 mm long | No. | 60.00 |
| 394 | MA-BLD-HM-67 | Stainless steel tower bolt (barrel type) 200 mm long | No. | 46.00 |
| 395 | MA-BLD-HM-68 | Stainless steel tower bolt (barrel type) 250 mm long | No. | 100.00 |
| 396 | MA-BLD-HM-69 | Stainless steel tower bolt (barrel type) 300 mm long | No. | 120.00 |
| 397 | MA-BLD-HM-70 | Oxidised mild steel handles 200 mm | No. | 35.00 |
| 398 | MA-BLD-HM-71 | Oxidised mild steel handles 150 mm | No. | 30.00 |
| 399 | MA-BLD-HM-72 | Oxidised mild steel handles 125 mm | No. | 24.00 |
| 400 | MA-BLD-HM-73 | Oxidised mild steel handles 100 mm | No. | 18.00 |
| 401 | MA-BLD-HM-74 | Oxidised mild steel handles75 mm | No. | 12.00 |
| 402 | MA-BLD-HM-75 | Brass handles 300 mm with plate | No. | 449.00 |
| 403 | MA-BLD-HM-76 | Brass handles 250 mm with plate | No. | 450.00 |
| 404 | MA-BLD-HM-77 | Brass handles 200 mm with plate | No. | 310.00 |
| 405 | MA-BLD-HM-78 | Brass handles 150 mm with plate | No. | 239.00 |
| 406 | MA-BLD-HM-79 | Brass handles 125 mm with plate 175x32 mm | No. | 215.00 |
| 407 | MA-BLD-HM-80 | Brass handles 100 mm with plate 150x32 mm | No. | 193.00 |
| 408 | MA-BLD-HM-81 | Brass handles75 mm with plate 125x32 mm | No. | 159.00 |
| 409 | MA-BLD-HM-82 | Anodised Aluminium handles 100 mm with plate 150 x 32 mm | 10 Nos. | 35.00 |
| 410 | MA-BLD-HM-83 | Anodised Aluminium handles 150 mm long | 10 Nos. | 56.00 |
| 411 | MA-BLD-HM-84 | Anodised Aluminium handles 200 mm long | 10 Nos. | 90.00 |



| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|-----------------------------------------------------------------------------|---------|--------|
| 412 | MA-BLD-HM-85 | Anodised Aluminium handles 250 mm long | 10 Nos. | 150.00 |
| 413 | MA-BLD-HM-86 | Anodised Aluminium handles 300 mm long | 10 Nos. | 180.00 |
| 414 | MA-BLD-HM-87 | Stainless steel handles 100 mm long | No. | 24.00 |
| 415 | MA-BLD-HM-88 | Stainless steel handles 150 mm long | No. | 36.00 |
| 416 | MA-BLD-HM-89 | Stainless steel handles 200 mm long | No. | 110.00 |
| 417 | MA-BLD-HM-90 | Stainless steel handles 250 mm long | No. | 129.50 |
| 418 | MA-BLD-HM-91 | Stainless steel handles 300 mm long | No. | 181.00 |
| 419 | MA-BLD-HM-92 | Anodised Aluminium hanging type door stopper | No. | 42.00 |
| 420 | MA-BLD-HM-93 | Brass hanging type door stopper 150 mm | No. | 107.00 |
| 421 | MA-BLD-HM-94 | M.S. chrome plated door stopper | No. | 29.80 |
| 422 | MA-BLD-HM-95 | S.S. door stopper | No. | 60.00 |
| 423 | MA-BLD-HM-96 | Iron oxidized hanging type floor door stopper | No. | 31.00 |
| 424 | MA-BLD-HM-97 | Magnetic type door stopper | No. | 40.00 |
| 425 | MA-BLD-HM-98 | Steel peep hole with chromium plating | No. | 62.00 |
| 426 | MA-BLD-HM-99 | Stainless Steel peep hole | No. | 50.00 |
| 427 | MA-BLD-HM-100 | Brass peep hole | No. | 121.00 |
| 428 | MA-BLD-HM-101 | Oxidised M.S.casement stay (straight peg type) 300 mm not less than 0.33 kg | No. | 37.00 |
| 429 | MA-BLD-HM-102 | Oxidised M.S.casement stay (straight peg type) 250 mm not less than 0.28 kg | No. | 30.00 |
| 430 | MA-BLD-HM-103 | Oxidised M.S.casement stay (straight peg type) 200 mm not less than 0.24 kg | No. | 31.00 |
| 431 | MA-BLD-HM-104 | Light (For shutter wt. upto 35 kg) Hydraulic door closer as per I.S. 3564, | No. | 580.00 |
| 432 | MA-BLD-HM-105 | Medium (For shutter wt. upto 50 kg) hydraulic door closer | No. | 600.00 |
| 433 | MA-BLD-HM-106 | Heavy (For shutter wt. 61-80 kg) Hydraulic door closer as per I.S. 3564, | No. | 800.00 |
| 434 | MA-BLD-HM-107 | Oxidised mild steel screws 50 mm | 100 Nos | 77.00 |
| 435 | MA-BLD-HM-108 | Oxidised mild steel screws 40 mm | 100 Nos | 56.00 |
| 436 | MA-BLD-HM-109 | Oxidised mild steel screws 35 mm | 100 Nos | 41.00 |
| 437 | MA-BLD-HM-110 | Oxidised mild steel screws 30 mm | 100 Nos | 34.50 |
| 438 | MA-BLD-HM-111 | Oxidised mild steel screws 25 mm | 100 Nos | 40.00 |
| 439 | MA-BLD-HM-112 | Oxidised mild steel screws 20 mm | 100 Nos | 20.00 |
| 440 | MA-BLD-HM-113 | Stainless steel screws 50 mm | 100 Nos | 125.00 |
| 441 | MA-BLD-HM-114 | Stainless steel screws 40 mm | 100 Nos | 100.00 |
| 442 | MA-BLD-HM-115 | Stainless steel screws 35mm | 100 Nos | 100.00 |
| 443 | MA-BLD-HM-116 | Stainless steel screws 30 mm | 100 Nos | 90.00 |
| 444 | MA-BLD-HM-117 | Stainless steel screws 25 mm | 100 Nos | 70.00 |
| 445 | MA-BLD-HM-118 | Stainless steel screws 20 mm | 100 Nos | 50.00 |
| 446 | MA-BLD-HM-119 | Chromium plated Brass screws 50 mm | 100 Nos | 250.00 |
| 447 | MA-BLD-HM-120 | Chromium plated Brass screws 40 mm | 100 Nos | 220.00 |
| 448 | MA-BLD-HM-121 | Chromium plated Brass screws 30 mm | 100 Nos | 200.00 |
| 449 | MA-BLD-HM-122 | Chromium plated Brass screws 25 mm | 100 Nos | 180.00 |
| 450 | MA-BLD-HM-123 | Chromium plated Brass screws 20 mm | 100 Nos | 150.00 |
| 451 | MA-BLD-HM-129 | Brass screws 50 mm | 100 Nos | 344.00 |
| 452 | MA-BLD-HM-130 | Brass screws 40 mm | 100 Nos | 276.00 |
| 453 | MA-BLD-HM-131 | Brass screws 35mm | 100 Nos | 220.00 |
| 454 | MA-BLD-HM-132 | Brass screws 30 mm | 100 Nos | 189.00 |
| 455 | MA-BLD-HM-133 | Brass screws 25 mm | 100 Nos | 163.00 |
| 456 | MA-BLD-HM-134 | Brass screws 20 mm | 100 Nos | 139.00 |
| 457 | MA-BLD-HM-135 | Aluminum screws 25mm | 100 Nos | 38.00 |
| 458 | MA-BLD-HM-136 | Aluminum screws 30mm | 100 Nos | 42.00 |
| 459 | MA-BLD-HM-137 | Aluminum screws 35mm | 100 Nos | 80.00 |
| 460 | MA-BLD-HM-138 | Aluminum screws 40mm | 100 Nos | 49.00 |
| 461 | MA-BLD-HM-139 | Aluminum screws 50mm | 100 Nos | 63.00 |
| 462 | MA-BLD-HM-140 | Bright finished or black enameled mild steel bolts and nuts 50x6 mm | No. | 8.00 |



| Sr.No | Material Code | Common Items | Unit | Rate |
|-------|---------------|----------------------------------------------------------------------|--------|---------|
| 463 | MA-BLD-HM-141 | Anodized aluminum bolts and nuts 50 x 6mm | No. | 12.00 |
| 464 | MA-BLD-HM-142 | Stainless steel bolts and nuts 50 x 6mm | No. | 29.00 |
| 465 | MA-BLD-HM-143 | Brass bolts and nuts 50 x 6mm | No. | 19.00 |
| 466 | MA-BLD-HM-144 | Double action hydraulic floor spring with brass cover plate | No. | 2285.00 |
| 467 | MA-BLD-HM-146 | Anodised Aluminium kicking plate 50 cm long 100x3.15 mm | No. | 164.00 |
| 468 | MA-BLD-HM-147 | Double action hydraulic floor spring with S.S. cover plate | No. | 2200.00 |
| 469 | MA-BLD-HM-148 | Stainless steel door chain | No. | 50.00 |
| 470 | MA-BLD-HM-149 | chromium plated brass mortice lock and latch with round knob | No. | 1200.00 |
| 471 | MA-BLD-HM-150 | 200mm long iron oxidized tadi | No. | 80.00 |
| 472 | MA-BLD-HM-151 | 250mm long iron oxidized tadi | No. | 100.00 |
| 473 | MA-BLD-HM-152 | 200mm long brass tadi | No. | 200.00 |
| 474 | MA-BLD-HM-153 | 250mm long brass tadi | No. | 250.00 |
| 475 | MA-BLD-HM-154 | 200mm long aluminum tadi | No. | 76.50 |
| 476 | MA-BLD-HM-155 | 250mm long aluminum tadi | No. | 107.00 |
| 477 | MA-BLD-HM-156 | 200mm long S.S. tadi | No. | 80.00 |
| 478 | MA-BLD-HM-157 | 250mm long S.S. tadi | No. | 100.00 |
| 479 | MA-BLD-HM-158 | Brass single acting spring hinges 150 mm | each | 350.00 |
| 480 | MA-BLD-HM-159 | Brass single acting spring hinges 125 mm | each | 345.00 |
| 481 | MA-BLD-HM-160 | Brass single acting spring hinges 100 mm | each | 249.50 |
| 482 | MA-BLD-HM-161 | Brass flush bolt 250 mm | each | 250.00 |
| 483 | MA-BLD-HM-162 | Brass flush bolt 150 mm | each | 150.00 |
| 484 | MA-BLD-HM-163 | Brass flush bolt 100 mm | each | 110.00 |
| 485 | MA-BLD-HM-164 | Brass hard drawn hooks and eyes 300 mm | 10 Nos | 280.00 |
| 486 | MA-BLD-HM-165 | Brass hard drawn hooks and eyes 250 mm | 10 Nos | 195.00 |
| 487 | MA-BLD-HM-166 | Brass hard drawn hooks and eyes 200 mm | 10 Nos | 84.00 |
| 488 | MA-BLD-HM-167 | Brass hard drawn hooks and eyes 150 mm | 10 Nos | 66.00 |
| 489 | MA-BLD-HM-168 | Brass hard drawn hooks and eyes 100 mm | 10 Nos | 48.00 |
| 490 | MA-BLD-HM-169 | Brass casement window fastener | Each | 62.00 |
| 491 | MA-BLD-HM-170 | Brass quadrant stays 300 mm | each | 154.00 |
| 492 | MA-BLD-HM-171 | Brass fanlight catch | 10 Nos | 239.00 |
| 493 | MA-BLD-HM-172 | Brass fanlight pivot | 10 Nos | 236.00 |
| 494 | MA-BLD-HM-173 | Brass chain with hook for fan light catch | each | 48.00 |
| 495 | MA-BLD-HM-174 | Brass helical spring 150 mm | each | 356.00 |
| 496 | MA-BLD-HM-175 | Brass curtain rod 25 mm dia 1.25 mm thick | metre | 98.00 |
| 497 | MA-BLD-HM-176 | Brass brackets (curtain rods) 20 mm | each | 57.00 |
| 498 | MA-BLD-HM-177 | Chromium plated Brass butt hinges (heavy) type 75x65x4 .0 mm 200 gms | 10 Nos | 185.00 |
| 499 | MA-BLD-HM-178 | Chromium plated Brass butt hinges (light/ordinary) type 125x70x4 | 10 Nos | 380.00 |
| 500 | MA-BLD-HM-179 | Chromium plated Brass butt hinges (light/ordinary) type 100x70x4mm | 10 Nos | 260.00 |
| 501 | MA-BLD-HM-180 | Chromium plated Brass butt hinges (light/ordinary) type 75x40x2.5 | 10 Nos | 165.00 |
| 502 | MA-BLD-HM-181 | Chromium plated Brass butt hinges (light/ordinary) type 50x40x2.5 | 10 Nos | 53.00 |

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Master Rate List

| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|------------------------------------------------------------------------------------------|---------|---------|
| 503 | MA-BLD-HM-182 | Bright finished or black enamelled mild steel butt hinges 50x37x1.50 mm | 10 Nos | 15.00 |
| 504 | MA-BLD-HM-183 | Nickel plated mild steel piano hinges 1 mm thick 35 mm wide | metre | 66.00 |
| 505 | MA-BLD-HM-184 | Bright finished or black enameled mild steel screws 25 mm | 100 Nos | 54.00 |
| 506 | MA-BLD-HM-185 | Bright finished or black enameled mild steel screws 20 mm | 100 Nos | 41.00 |
| 507 | MA-BLD-HM-186 | C.P.brass chain with 32 mm dia rubber plug | each | 93.00 |
| 508 | MA-BLD-HM-187 | C.P.brass chain with 40 mm dia rubber plug | each | 190.00 |
| 509 | MA-BLD-HM-188 | Float glass sheet of nominal thickness 4 mm (weight not less than 10kg/sqm). | sqm | 143.00 |
| 510 | MA-BLD-HM-189 | Float glass sheet of nominal thickness 5.5 mm.(weight not less than 13.50 kg/sqm). | sqm | 490.00 |
| 511 | MA-BLD-HM-190 | Chromium plated Brass pull bolt lock (locking bolt) of size 85 mmx42mm with screws, bolt | each | 289.00 |
| 512 | MA-BLD-HM-191 | Stainless steel Cylindrical lock | each | 550.00 |
| 513 | MA-BLD-FL-1 | 20mm thk. Plain cement tile 250 x250mm | Sqm | 420.00 |
| 514 | MA-BLD-FL-2 | 20mm thk. Gray Mosaic tile of size 250 x250mm | Sqm | 591.85 |
| 515 | MA-BLD-FL-3 | 20mm thk. White/coloured Mosaic tile of size 250 x250 | Sqm | 692.24 |
| 516 | MA-BLD-FL-4 | 25mm thk. Gray Mosaic tile of size 300 x 300mm | Sqm | 676.97 |
| 517 | MA-BLD-FL-5 | 25mm thk. White/coloured Mosaic tile of size 300 x300 | Sqm | 875.00 |
| 518 | MA-BLD-FL-7 | 25 to 30mm thk. Polished shahbad tile (Machine | Sqm | 480.00 |
| 519 | MA-BLD-FL-8 | 25 to 30mm thk. Polished Kadappa | Sqm | 526.68 |
| 520 | MA-BLD-FL-9 | 25 to 30mm thk. Polished Tandur tile (Machine cut) | Sqm | 391.02 |
| 521 | MA-BLD-FL-10 | 25 to 30mm thk. Polished Kota stone tile (Machine cut) | Sqm | 465.12 |
| 522 | MA-BLD-FL-11 | 18mm thk. Green marble | Sqm | 950.00 |
| 523 | MA-BLD-FL-12 | 18mm thk. White marble of superior quality | Sqm | 929.67 |
| 524 | MA-BLD-FL-13 | 18mm thk. White marble of medium quality | Sqm | 848.54 |
| 525 | MA-BLD-FL-14 | 18mm thk. White marble of lower quality | Sqm | 790.16 |
| 526 | MA-BLD-FL-15 | 18mm thk. Yellow marble Jaisalmer Stone | Sqm | 1110.00 |
| 527 | MA-BLD-FL-16 | 18mm thk. Red / pink marble | Sqm | 835.12 |
| 528 | MA-BLD-FL-17 | 10 thk. Lakha Red Granite stone tiles | Sqm | 1373.89 |
| 529 | MA-BLD-FL-18 | 15 to 18mm thk. Lakha Red Granite stone slab | Sqm | 2537.00 |
| 530 | MA-BLD-FL-19 | 15 to 20mm thk. Dholpur stone tile | Sqm | 481.44 |
| 531 | MA-BLD-FL-20 | 25 to 35mm thk. Red sand stone tile | Sqm | 706.23 |
| 532 | MA-BLD-FL-21 | Colour Pigment | Kg | 223.44 |
| 533 | MA-BLD-FL-22 | 100 wide Polished shahbad strip (Machine cut) | Rm | 73.00 |
| 534 | MA-BLD-FL-23 | 100 wide Polished Kadappa stripe (Machine cut) | Rm | 55.86 |
| 535 | MA-BLD-FL-24 | 100 wide Polished Tandur strip (Machine cut) | Rm | 42.56 |
| 536 | MA-BLD-FL-25 | 100 wide Polished Kota strip (Machine cut) | Rm | 53.04 |
| 537 | MA-BLD-FL-26 | 100 wide green marble strip (Machine cut) | Rm | 70.08 |
| 538 | MA-BLD-FL-27 | 100 wide white marble strip (Machine cut) | Rm | 59.85 |
| 539 | MA-BLD-FL-28 | 100 wide Yellow marble Jaisalmer stone strip (Machine cut) | Rm | 94.43 |
| 540 | MA-BLD-FL-29 | 100 wide Red/Pink marble strip (Machine cut) | Rm | 61.20 |
| 541 | MA-BLD-FL-30 | 100 wide Lakha Red Granite strip (Machine cut) | Rm | 595.00 |
| 542 | MA-BLD-FL-31 | 25 to 30mm thk. Rough Shahbad Stone tiles | Sqm | 239.00 |



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| Sr.No. | Material Code | Common Items | Unit | Final Rate |
|--------|---------------|-------------------------------------------------------|------|------------|
| 543 | MA-BLD-FL-32 | 25 to 30mm thk. Rough Kadappa Stone tiles | Sqm | 512.05 |
| 544 | MA-BLD-FL-33 | 25 to 30mm thk. Rough Tandur Stone tiles | Sqm | 377.72 |
| 545 | MA-BLD-FL-34 | 25 to 30mm thk. Rough Kota Stone tiles | Sqm | 418.95 |
| 546 | MA-BLD-FL-35 | 25 to 30mm thk. Rough Lakha Red Granite Stone slab | Sqm | 3277.00 |
| 547 | MA-BLD-FL-36 | 50mm thk. Jaipur red sand stone | Sqm | 2539.00 |
| 548 | MA-BLD-FL-37 | 25 to 30mm thk. Both side polished kadappa stone | Sqm | 631.75 |
| 549 | MA-BLD-FL-38 | 6 thk. Light coloured glazed ceramic tile | Sqm | 254.00 |
| 550 | MA-BLD-FL-39 | 6 thk. Dark coloured glazed ceramic tile | Sqm | 254.00 |
| 551 | MA-BLD-FL-40 | 6 thk. Light coloured antiskid ceramic tile | Sqm | 275.00 |
| 552 | MA-BLD-FL-41 | 6 thk. Dark coloured antiskid ceramic tile | Sqm | 275.00 |
| 553 | MA-BLD-FL-42 | 8 thk. Light coloured glazed ceramic tile | Sqm | 249.00 |
| 554 | MA-BLD-FL-43 | 8 thk. Dark coloured glazed ceramic tile | Sqm | 249.00 |
| 555 | MA-BLD-FL-44 | 8 thk. Light coloured antiskid ceramic tile | Sqm | 280.00 |
| 556 | MA-BLD-FL-45 | 8 thk. Dark coloured antiskid ceramic tile | Sqm | 280.00 |
| 557 | MA-BLD-FL-46 | 8 mm thk. Light coloured glazed vitrified tile | Sqm | 297.00 |
| 558 | MA-BLD-FL-47 | 8 mm thk. Dark coloured glazed vitrified tile | Sqm | 297.00 |
| 559 | MA-BLD-FL-48 | 8 mm thk. Light coloured antiskid vitrified tile | Sqm | 297.00 |
| 560 | MA-BLD-FL-49 | 8 mm thk. Dark coloured antiskid vitrified tile | Sqm | 297.00 |
| 561 | MA-BLD-FL-50 | 10 mm thk. Light coloured glazed vitrified tile | Sqm | 503.11 |
| 562 | MA-BLD-FL-51 | 10 mm thk. Dark coloured glazed vitrified tile | Sqm | 555.00 |
| 563 | MA-BLD-FL-52 | 10 mm thk. Light coloured antiskid vitrified tile | Sqm | 458.98 |
| 564 | MA-BLD-FL-53 | 10 mm thk. Dark coloured antiskid vitrified tile | Sqm | 458.98 |
| 565 | MA-BLD-FL-54 | 10 to 13mm thk. Heavy duty vitrified tile flooring | Sqm | 440.00 |
| 566 | MA-BLD-FL-55 | 25 to 30mm thk. Gray cement chequered tile | Sqm | 465.00 |
| 567 | MA-BLD-FL-56 | 25 to 30mm thk. Coloured cement chequered tile | Sqm | 420.00 |
| 568 | MA-BLD-FL-57 | 25 to 30mm thk. Gray marble mosaic chequered tile | Sqm | 676.97 |
| 569 | MA-BLD-FL-58 | 25 to 30mm thk. Coloured marble mosaic chequered tile | Sqm | 980.21 |
| 570 | MA-BLD-FL-59 | 15mm thk. acid proof tiles | Sqm | 1133.00 |
| 571 | MA-BLD-FL-60 | Acid proof cement | M.T. | 18145.00 |
| 572 | MA-BLD-FL-61 | Metallic Floor hardner | Kg | 13.30 |
| 573 | MA-BLD-FL-62 | Iornite non metallic hardner | Kg | 11.00 |
| 574 | MA-BLD-FL-63 | Marble chips 1 to 4 mm thk. | Kg | 11.68 |
| 575 | MA-BLD-FL-64 | Marble chips 4 to 7 mm thk. | Kg | 11.68 |
| 576 | MA-BLD-FL-65 | Marble chips 7 to 10 mm thk. | Kg | 11.68 |
| 577 | MA-BLD-FL-66 | Marble Powder | Cum | 12.00 |
| 578 | MA-BLD-FL-67 | 3.15mm thk. x 35 wide Aluminum strip | Rm | 17.29 |
| 579 | MA-BLD-FL-68 | 3.15mm thk. x 35 wide Brass strip | Rm | 18.00 |
| 580 | MA-BLD-FL-69 | 4mm thk. x 35 wide glass strip | Rm | 7.98 |
| 581 | MA-BLD-FL-70 | 60 thk. Interlocking blocks | Sqm | 230.00 |
| 582 | MA-BLD-FL-71 | Araldite adhesive | Kg | 420.00 |
| 583 | MA-BLD-FL-72 | Blue Basalt stone of size 0.4 x 0.4 x 0.15 | No. | 417.52 |



| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|---------------------------------------------------------------------------------------------|-----------|---------|
| 584 | MA-BLD-FL-73 | Precast Concrete block of size 0.4 x 0.4 x 0.15 | No. | 66.50 |
| 585 | MA-BLD-FL-74 | 20 to 25mm thk. Jet Black Granite stone for plaque of inauguration | Sqm | 2770.00 |
| 586 | MA-BLD-FL-75 | 20 to 25mm thk. Granite stone / white marble of superior quality for plaque of inauguration | Sqm | 2650.00 |
| 587 | MA-BLD-FL-76 | Glass mosaic tiles | Sqm | 505.00 |
| 588 | MA-BLD-FL-77 | 18 mm thk. Ruby red, jet black Granite slab | Sqm | 1430.00 |
| 589 | MA-BLD-FL-78 | 18 mm thk. Steel Gray Granite slab | Sqm | 1225.00 |
| 590 | MA-BLD-FL-79 | 100 wide Ruby red, jet black, Granite strip (Machine cut) | Sqm | 662.34 |
| 591 | MA-BLD-FL-80 | 100 wide steel gray Granite strip (Machine cut) | Sqm | 1250.00 |
| 592 | MA-BLD-FL-81 | 25 to 30 mm thk. rough Ruby red, jet black, Hasan green Granite slab | Sqm | 1970.00 |
| 593 | MA-BLD-FL-82 | 25 to 30mm thk. rough Steel Gray Granite slab | Sqm | 2140.00 |
| 594 | MA-BLD-FL-83 | Glass tiles (Vitrum tiles or equivalent) | Sqm | 1315.00 |
| 595 | MA-BLD-FL-84 | Glass bricks | No. | 115.00 |
| 596 | MA-BLD-FL-85 | 2mm thick Antistatic Vinyl flooring in roll form | Sqm | 289.68 |
| 597 | MA-BLD-FL-86 | Antibacterial tiles (300x600mm & 600x600mm) | Sqm | 64.00 |
| 598 | MA-BLD-FL-88 | Laticrete 252 Ag Silver (adhesive) | Kg | 9.00 |
| 599 | MA-BLD-FL-89 | Latapoxy 300 (epoxy grout) | Kg | 25.25 |
| 600 | MA-BLD-FL-90 | Fevicol SR 505 Adhesive or equivalent | Lit | 285.00 |
| 601 | MA-BLD-FL-91 | Epoxy grout for glass tiles in wet areas | Kg | 35.40 |
| 602 | MA-BLD-FL-92 | Glass block adhesive | Kg | 225.00 |
| 603 | MA-BLD-HW-01 | Diesel oil | litre | - |
| 604 | MA-BLD-HW-04 | Carriage of Rubbish | cum | 45.00 |
| 605 | MA-BLD-HW-05 | Unslaked lime | quintal | 90.00 |
| 606 | MA-BLD-HW-07 | Bolts and nuts up to 300 mm in length | quintal | 160.00 |
| 607 | MA-BLD-HW-08 | Surkhi (brown coloured mortar) | Cum | 360.00 |
| 608 | MA-BLD-HW-10 | Double coupler | each | 210.00 |
| 609 | MA-BLD-HW-11 | Spigot for standard jointing | One Kg | 165.00 |
| 610 | MA-BLD-HW-12 | Base Jack | Each | 490.00 |
| 611 | MA-BLD-HW-13 | Challies (Steel jali for construction) | Each | 450.00 |
| 612 | MA-BLD-HW-14 | Cup Locks | Each | 550.00 |
| 613 | MA-BLD-HW-15 | Stone cleaning chemical approved by ASI | One Litre | 168.00 |
| 614 | MA-BLD-HW-16 | Water repellent chemical approved by ASI | One Litre | 360.00 |
| 615 | MA-BLD-HW-17 | Stone surface strengthening chemical approved by ASI | One Litre | 435.00 |
| 616 | MA-BLD-HW-18 | Turpentine oil | One Litre | 103.00 |
| 617 | MA-BLD-HW-19 | Liquid Ammonia 5% | One Litre | 79.00 |
| 618 | MA-BLD-HW-20 | Sodium pentachlorophenate | One Kg | 160.00 |
| 619 | MA-BLD-MW-04 | Mild steel flat strap fitting | quintal | 460.00 |
| 620 | MA-BLD-MW-05 | Common burnt clay F.P.S.(non modular) bricks tile class designation 10 | 1000 No | 8000.00 |



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| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|-----------------------------------------------------------------------------------|----------|----------|
| 621 | MA-BLD-MW-06 | Common burnt clay modular bricks class designation 12.5 | 1000 Nos | 9200.00 |
| 622 | MA-BLD-MW-07 | Common burnt clay F.P.S. (non modular) bricks class designation 7.5 | 1000 Nos | 9600.00 |
| 623 | MA-BLD-MW-09 | Common burnt clay F.P.S. clay fly ash bricks class designation 7.5 | 1000 Nos | 4762.00 |
| 624 | MA-BLD-MW-11 | Fly ash lime bricks (FALG Bricks) conforming to I.S. 12894-1989 | 1000 Nos | 15000.00 |
| 625 | MA-BLD-MW-12 | Calcium Silicate Bricks machine moulded confirming to I.S. 4139 - 1989 | 1000 Nos | 9750.00 |
| 626 | MA-BLD-MW-13 | Common burnt clay Modular bricks of class designation 7.5 | 1000 Nos | 6280.00 |
| 627 | MA-BLD-MW-14 | Machine moulded perforated FPS (non modular) bricks of class designation 12.5 | 1000 Nos | Deleted |
| 628 | MA-BLD-MW-15 | Machine moulded modular perforated bricks of class designation 12.5 | 1000 Nos | Deleted |
| 630 | MA-BLD-MW-17 | Machine moulded tile bricks of class designation 12.5 | 1000 Nos | Deleted |
| 632 | MA-BLD-MW-19 | Mechanised Autoclaved fly ash sand lime non modular bricks. | 1000 Nos | Deleted |
| 633 | MA-BLD-MW-20 | Red sand stone gang saw cut 30mm thick. | sqm | 2890.00 |
| 634 | MA-BLD-MW-21 | White sand stone gang saw cut 30mm thick. | sqm | 3250.00 |
| 635 | MA-BLD-MW-22 | Stainless steel cramps with nuts, bolts and washer for dry stone cladding . | each | 134.00 |
| 636 | MA-BLD-PL-003 | Anticorrosive bituminous paint (black) | litre | 109.00 |
| 637 | MA-BLD-PL-004 | Enamel paint | litre | 158.00 |
| 638 | MA-BLD-PL-005 | Synthetic enamel paint in black or chocolate shade | litre | 148.00 |
| 639 | MA-BLD-PL-007 | Synthetic enamel paint in all shades except black or chocolate shade | litre | 148.00 |
| 640 | MA-BLD-PL-008 | C.I. bracket for wash basin and sinks | pair | 91.00 |
| 641 | MA-BLD-PL-009 | C.P.brass chain with 40 mm dia rubber plug | each | 19.50 |
| 642 | MA-BLD-PL-011 | Clamps and M.S. stays including bolts and nuts for 100 mm pipe | each | 16.90 |
| 643 | MA-BLD-PL-012 | M.S.Holder bat clamp of approved design for 100 mm S.C.I. pipe | each | 13.00 |
| 644 | MA-BLD-PL-013 | M.S.Holder bat clamp of approved design for 75 mm S.C.I. pipe | each | 16.50 |
| 645 | MA-BLD-PL-014 | Clamps and M.S. stays including bolts and nuts for 50 mm pipe | each | 22.00 |
| 646 | MA-BLD-PL-015 | Clamps and M.S. stays including bolts and nuts for 75 mm pipe | each | 52.00 |
| 647 | MA-BLD-PL-016 | Mosquito proof coupling of approved design (PVC) | each | 62.00 |
| 648 | MA-BLD-PL-017 | Vitreous china foot rests 250x130x30 mm | pair | 189.00 |
| 649 | MA-BLD-PL-018 | S.C.I. gully or nahani grating 100 mm dia | each | 23.40 |
| 650 | MA-BLD-PL-019 | Rubber insertions for 80 mm dia pipe joints | each | 26.00 |
| 651 | MA-BLD-PL-020 | Rubber insertions for 100 mm dia pipe joints | each | 33.00 |
| 652 | MA-BLD-PL-021 | Mirror of superior make glass 60x45 cm | each | 735.00 |
| 653 | MA-BLD-PL-022 | Vitreous china pedestal for wash basin | each | 118.75 |
| 654 | MA-BLD-PL-023 | Pig lead | kilogram | 155.00 |
| 655 | MA-BLD-PL-024 | Flush pipe with union spreaders and clamps all in C.P. brass for single stall | each | 480.00 |
| 656 | MA-BLD-PL-025 | Flush pipe with union spreaders and clamps all in C.P. brass for two half Stall | each | 575.00 |
| 657 | MA-BLD-PL-026 | Flush pipe with union spreaders and clamps all in C.P. brass for three half Stall | each | 575.00 |
| 658 | MA-BLD-PL-027 | Flush pipe with union spreaders and clamps all in C.P. brass for four half Stall | each | 575.00 |



| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|-------------------------------------------------------------------------------------|------|---------|
| 659 | MA-BLD-PL-028 | Flush pipe and spreaders G.I.for single set of one squatting plate urinal each | each | 262.50 |
| 660 | MA-BLD-PL-029 | Flush pipe and spreaders G.I.for range of two squatting plates urinal | each | 537.50 |
| 661 | MA-BLD-PL-030 | Flush pipe and spreaders G.I.for range of three squatting plates urinal | each | 425.00 |
| 662 | MA-BLD-PL-031 | Flush pipe and spreaders G.I.for range of four squatting plates urinal | each | 348.75 |
| 663 | MA-BLD-PL-032 | G.I. inlet connection | each | 101.25 |
| 664 | MA-BLD-PL-033 | S.C.I. soil, waste and vent single socketed pipe1.80 metres long:75mm dia | each | 1344.38 |
| 665 | MA-BLD-PL-034 | S.C.I. soil, waste and vent single socketed pipe1.80 metres long: 100mm dia | each | 1650.38 |
| 666 | MA-BLD-PL-035 | S.C.I. plain bend75mm dia | each | 295.00 |
| 667 | MA-BLD-PL-036 | S.C.I. plain bend 100mm dia | each | 325.68 |
| 668 | MA-BLD-PL-037 | S.C.I. bend with access door 75mm dia | each | 360.00 |
| 669 | MA-BLD-PL-038 | S.C.I. bend with access door 100mm dia | each | 397.44 |
| 670 | MA-BLD-PL-039 | S.C.I. plain single equal junctions75x75x75 mm dia | each | 552.00 |
| 671 | MA-BLD-PL-040 | S.C.I. plain single equal junctions100x100x100 mm dia | each | 662.40 |
| 672 | MA-BLD-PL-041 | S.C.I. single equal junctions75x75x75 mm dia with access door. | each | 610.00 |
| 673 | MA-BLD-PL-042 | S.C.I. single equal junctions 100x100x100 mm dia with access door. | each | 673.44 |
| 674 | MA-BLD-PL-043 | S.C.I. plain double equal junctions 75x75x75x75 mm dia | each | 700.00 |
| 675 | MA-BLD-PL-044 | S.C.I. plain double equal junctions100x100x100x100 mm dia | each | 772.80 |
| 676 | MA-BLD-PL-045 | S.C.I. double equal junctions75x75x75x75 mm dia with access door. | each | 800.00 |
| 677 | MA-BLD-PL-046 | S.C.I. double equal junctions 100x100x100x100 mm dia with access door | each | 883.20 |
| 678 | MA-BLD-PL-047 | Slotted cowl (terminal guard)75 mm dia -CI | each | 303.24 |
| 679 | MA-BLD-PL-048 | Slotted cowl (terminal guard) 100 mm dia-CI | each | 314.64 |
| 680 | MA-BLD-PL-049 | Sand cast iron S&S plain single unequal junctions : 100x100x75 mm dia | each | 397.44 |
| 681 | MA-BLD-PL-050 | Sand cast iron S&S single unequal junctions: 100x100x75 mm dia with access door. | each | 572.70 |
| 682 | MA-BLD-PL-051 | Sand cast iron S&S plain double unequal junctions : 100x100x75x75 mm dia | each | 772.80 |
| 683 | MA-BLD-PL-052 | Sand cast iron S&S double unequal junctions: 100x100x75x75 mm dia with access door. | each | 924.60 |
| 684 | MA-BLD-PL-053 | Sand cast iron heel rest bend75mm dia | each | 412.30 |
| 685 | MA-BLD-PL-054 | Sand cast iron heel rest bend 100mm dia | each | 427.80 |
| 686 | MA-BLD-PL-055 | S.C.I. single equal invert branch of required degree75x75x75 mm dia | each | 517.37 |
| 687 | MA-BLD-PL-056 | S.C.I. single equal invert branch of required degree 100x100x100 mm dia | each | 536.82 |
| 688 | MA-BLD-PL-057 | S.C.I. double equal invert branch of required degree 75x75x75x75 mm dia | each | 641.06 |
| 689 | MA-BLD-PL-058 | S.C.I. double equal invert branch of required degree 100x100x100x100 mm dia | each | 665.16 |
| 690 | MA-BLD-PL-059 | S.C.I. single unequal invert branch of required degree 100x100x75 mm dia | each | 610.00 |
| 691 | MA-BLD-PL-060 | S.C.I. double unequal invert branch of required degree 100x100x75x75 mm dia | each | 694.00 |
| 692 | MA-BLD-PL-061 | S.C.I. door pieces 75 mm dia | each | 302.00 |



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| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|----------------------------------------------------------------------------------------------------|----------|---------|
| 693 | MA-BLD-PL-062 | S.C.I. door pieces 100 mm dia | each | 425.00 |
| 694 | MA-BLD-PL-063 | S.C.I. collar 75 mm dia | each | 225.00 |
| 695 | MA-BLD-PL-064 | S.C.I. collar 100 mm dia | each | 180.00 |
| 696 | MA-BLD-PL-065 | Fire clay kitchen sink: 600x450x250 mm | each | 2200.00 |
| 697 | MA-BLD-PL-066 | White vitreous china laboratory sink450x300x150 mm | each | 1345.00 |
| 698 | MA-BLD-PL-067 | White vitreous china laboratory sink600x450x200 mm | each | 2180.00 |
| 699 | MA-BLD-PL-068 | White plastic seat (solid)with lid C.P.brass hinges and rubber buffers | each | 540.00 |
| 700 | MA-BLD-PL-069 | Black plastic seat (solid) with lid C.P.brass hinges and rubber buffers | each | 540.00 |
| 701 | MA-BLD-PL-070 | Spun yarn | kilogram | 275.00 |
| 702 | MA-BLD-PL-071 | 15 mm C.P.brass tap | each | 348.00 |
| 703 | MA-BLD-PL-072 | C.P.brass toilet paper holder of standard size | each | 750.00 |
| 704 | MA-BLD-PL-073 | C.I. trap for standard urinal with vent arm with operating and other couplings in C.P.brass -50 mm | each | 245.00 |
| 705 | MA-BLD-PL-074 | C.I. trap for standard urinal with vent arm with operating and other couplings in C.P.brass -80mm | each | 285.00 |
| 706 | MA-BLD-PL-075 | C.P.brass trap40 mm dia | each | 200.00 |
| 707 | MA-BLD-PL-076 | 100 mm S.C.I. trap with vent heel | each | 410.00 |
| 708 | MA-BLD-PL-077 | 100 mm S.C.I. trap with 100 mm inlet and 100 mm outlet | each | 380.00 |
| 709 | MA-BLD-PL-078 | 100 mm S.C.I. trap with 100 mm inlet and75 mm outlet | each | 700.00 |
| 710 | MA-BLD-PL-079 | Vitreous china lipped front urinal | each | 1350.00 |
| 711 | MA-BLD-PL-080 | Vitreous china squatting plate urinal | each | 1714.00 |
| 712 | MA-BLD-PL-081 | Vitreous china flat back wash basin 630x450 mm | each | 1223.00 |
| 713 | MA-BLD-PL-082 | Vitreous china angle back wash basin 600x480 mm | each | 988.00 |
| 714 | MA-BLD-PL-083 | Vitreous china angle back wash basin 400x400 mm | each | 825.00 |
| 715 | MA-BLD-PL-084 | C.P. brass waste 32 mm | each | 126.00 |
| 716 | MA-BLD-PL-085 | C.P. brass waste 40 mm | each | 191.00 |
| 717 | MA-BLD-PL-086 | Vitreous china Indian type w.c. pan size 580 mm | each | 1990.00 |
| 718 | MA-BLD-PL-087 | Vitreous china orrisa type w.c. pan size 580 mm | each | 1950.00 |
| 719 | MA-BLD-PL-088 | Vitreous china pedestal type water closet | each | 1650.00 |
| 720 | MA-BLD-PL-089 | White vitreous china dual purpose closet (Anglo Indian W.C.) suitable for use as squatting | each | 2100.00 |
| 721 | MA-BLD-PL-090 | Vitreous china foot rests 250x125x25 mm | pair | 198.00 |
| 722 | MA-BLD-PL-091 | Vitreous china Surgeon type wash basin of size 660x460 mm | each | 1680.00 |
| 723 | MA-BLD-PL-092 | 600x120 mm glass shelf with anodised aluminium angle frame, C.P.brass brackets and guard r | each | 174.00 |
| 724 | MA-BLD-PL-093 | Vitreous china flat back wash basin 550x400 mm | each | 899.00 |
| 725 | MA-BLD-PL-094 | C.P. Brass union 40 mm dia | each | 240.00 |
| 726 | MA-BLD-PL-095 | C.C.I.(spun) socketed soil, waste and vent pipe 1.80 metres long;100mm dia | each | 1645.00 |
| 727 | MA-BLD-PL-096 | C.C.I.(spun) socketed soil, waste and vent pipe 1.80 metres long;75mm dia | each | 1309.00 |
| 728 | MA-BLD-PL-097 | S.C.I. S&S bends with access door75mm dia | each | 275.00 |
| 729 | MA-BLD-PL-098 | S.C.I. S&S bend100mm dia | each | 314.00 |
| 730 | MA-BLD-PL-099 | S.C.I. S&S bend75mm dia | each | 211.00 |
| 731 | MA-BLD-PL-100 | S.C.I. S&S heel rest sanitary bend 100mm dia | each | 594.00 |
| 732 | MA-BLD-PL-101 | S.C.I. S&S heel rest sanitary bend 75mm dia | each | 434.00 |
| 733 | MA-BLD-PL-102 | S.C.I. S&S single equal junctions100x100x100 mm | each | 934.00 |
| 734 | MA-BLD-PL-103 | S.C.I. S&S single equal junctions75x75x75 mm | each | 642.00 |

| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|---------------------------------------------------------------------------------|-------|---------|
| 735 | MA-BLD-PL-104 | S.C.I. S&S single equal junctions with access door 100x100x100 mm | each | 974.00 |
| 736 | MA-BLD-PL-105 | S.C.I. S&S single equal junctions with access door 75x75x75 mm | each | 671.00 |
| 737 | MA-BLD-PL-106 | S.C.I. S&S double equal junctions 100x100x100x100 mm | each | 1060.00 |
| 738 | MA-BLD-PL-107 | S.C.I. S&S double equal junctions 75x75x75x75 mm | each | 762.00 |
| 739 | MA-BLD-PL-108 | S.C.I. S&S double equal junctions with access door 100x100x100x100 mm. | each | 1155.00 |
| 740 | MA-BLD-PL-109 | S.C.I. S&S double equal junctions with access door 75x75x75x75 mm | each | 931.00 |
| 741 | MA-BLD-PL-110 | S.C.I. S&S single unequal junctions 100x100x75 mm | each | 1389.85 |
| 742 | MA-BLD-PL-111 | S.C.I. S&S single unequal junctions with access door | each | 1449.70 |
| 743 | MA-BLD-PL-112 | S.C.I. S&S double unequal junctions 100x100x75x75 mm | each | 1955.10 |
| 744 | MA-BLD-PL-113 | S.C.I. S&S double unequal junctions with access door 100x100x75x75 mm | each | 2021.60 |
| 745 | MA-BLD-PL-114 | S.C.I. S&S single equal invert branch of required degree 100x100x100 mm dia | each | 784.70 |
| 746 | MA-BLD-PL-115 | S.C.I. S&S single equal invert branch of required degree 75x75x75 mm dia | each | 1263.50 |
| 747 | MA-BLD-PL-116 | S.C.I. S&S double equal invert branch of required degree 100x100x100x100 mm dia | each | 927.01 |
| 748 | MA-BLD-PL-117 | S.C.I. S&S double equal invert branch of required degree 75x75x75x75 mm dia | each | 780.71 |
| 749 | MA-BLD-PL-118 | S.C.I. S&S single unequal invert branch of required degree 100x100x75 mm dia | each | 880.46 |
| 750 | MA-BLD-PL-119 | S.C.I. S&S double unequal invert branch of required degree 100x100x75x75 mm dia | each | 1197.00 |
| 751 | MA-BLD-PL-120 | S.C.I. S&S, 75 mm offset for 75 mm dia pipe | each | 412.30 |
| 752 | MA-BLD-PL-121 | S.C.I. S&S, 150 mm offset for 75 mm dia pipe | each | 518.70 |
| 753 | MA-BLD-PL-122 | S.C.I. S&S, 150 mm offset for 100 mm dia pipe | each | 589.19 |
| 754 | MA-BLD-PL-123 | S.C.I. S&S, 114 mm offset for 75 mm dia pipe | each | 425.60 |
| 755 | MA-BLD-PL-124 | S.C.I. S&S, 114 mm offset for 100 mm dia pipe | each | 478.80 |
| 756 | MA-BLD-PL-125 | S.C.I. S&S, 152 mm offset for 75 mm dia pipe | each | 750.12 |
| 757 | MA-BLD-PL-126 | S.C.I. S&S, 152 mm offset for 100 mm dia pipe | each | 828.59 |
| 758 | MA-BLD-PL-127 | S.C.I. S&S door pieces 100 mm dia | each | 119.70 |
| 759 | MA-BLD-PL-128 | S.C.I. S&S door pieces 75 mm dia | each | 79.80 |
| 760 | MA-BLD-PL-129 | S.C.I. S&S, Slotted Cowl (Terminal Guard) 100 mm | each | 391.02 |
| 761 | MA-BLD-PL-130 | S.C.I. S&S, Slotted Cowl (Terminal Guard) 75 mm | each | 340.48 |
| 762 | MA-BLD-PL-131 | S.C.I. S&S, collars 100 mm | each | 324.52 |
| 763 | MA-BLD-PL-132 | S.C.I. S&S, collars 75 mm | each | 303.24 |
| 764 | MA-BLD-PL-133 | S.C.I. S&S, 76 mm offset for 75 mm dia pipe | each | 412.30 |
| 765 | MA-BLD-PL-134 | S.C.I. S&S, 76 mm offset for 100 mm dia pipe | each | 478.80 |
| 766 | MA-BLD-PL-135 | Vitreous china toilet paper holder of standard size | each | 267.33 |
| 767 | MA-BLD-PL-136 | Red oxide Zinc chromate primer | litre | 119.70 |
| 768 | MA-BLD-PL-137 | Vitreous china flat back wash basin 450x300 mm | each | 912.38 |
| 769 | MA-BLD-PL-138 | Vitreous china 10 litres low level cistern with fittings | each | 1442.71 |
| 770 | MA-BLD-PL-140 | Wall mounted water closet | Each | 5000.00 |
| 771 | MA-BLD-PL-141 | Adjustable Vitrious China Cistern with fittings | Each | 4123.00 |
| 772 | MA-BLD-PL-142 | White Vitrious China Waterless Urinal | Each | 5966.38 |
| 773 | MA-BLD-PL-143 | Cistern with fittings for Waterless Urinal | Each | 6750.00 |
| 774 | MA-BLD-PL-144 | White Vetrious Urinal (battery based infrared sensor operated - 610x390x370mm) | Each | 2407.57 |



| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|---------------------------------------------------------------------------------------------|------|----------|
| 775 | MA-BLD-PL-145 | Stainless steel kitchen sink - with drain board bowl depth 250 mm. | each | 10701.99 |
| 776 | MA-BLD-PL-146 | Stainless steel kitchen sink - with drain board 510 x 1040mm bowl depth 225 mm. | each | 8645.00 |
| 777 | MA-BLD-PL-147 | Stainless steel kitchen sink - with drain board 510 x 1040mm bowl depth 200 mm. | each | 8351.95 |
| 778 | MA-BLD-PL-148 | Stainless steel kitchen sink - with drain board 510x1040mm bowldepth 178 mm | each | 4655.00 |
| 779 | MA-BLD-PL-149 | Stainless steel kitchen sink - without drain board 610x510mm bowl depth 200 mm. | each | 6413.31 |
| 780 | MA-BLD-PL-150 | Stainless steel kitchen sink - without drain board 610x460mm bowl depth 200 mm. | each | 5810.30 |
| 781 | MA-BLD-PL-151 | Stainless steel kitchen sink - without drain board 470x420mm bowl depth 178 mm | each | 4057.63 |
| 782 | MA-BLD-PL-152 | Coloured Orissa pattern W.C. pan 580x440 mm | each | 2395.13 |
| 783 | MA-BLD-PL-153 | Coloured Pedestal type W.C. pan 580x440 mm (European type) | each | 3031.95 |
| 784 | MA-BLD-PL-154 | Coloured (other than black) solid P.V.C. seat in European W.C. pan | each | 990.00 |
| 785 | MA-BLD-PL-155 | Circular shape 450 mm dia Mirror with Plastic moulded frame | each | 786.00 |
| 786 | MA-BLD-PL-156 | Rectangular shape 453x357 mm Mirror with Plastic moulded frame | each | 534.00 |
| 787 | MA-BLD-PL-157 | Oval shape 450x350 mm (outer dimensions) Mirror with Plastic moulded frame | each | 452.20 |
| 788 | MA-BLD-PL-158 | Rectangular shape 1500x450 mm Mirror with Plastic moulded frame | each | 505.40 |
| 789 | MA-BLD-PL-159 | Hard board 6 mm thick | sqm | 316.00 |
| 790 | MA-BLD-PL-160 | Semi Rigid PVC waste pipe for sink and wash basin 32 mm dia with length not less than 700 | each | 26.60 |
| 791 | MA-BLD-PL-161 | Semi Rigid PVC waste pipe for sink and wash basin 40 mm dia with mm dia with length not le | each | 33.25 |
| 792 | MA-BLD-PL-162 | Flexible (coil shaped) PVC waste pipe for sink and wash basin 32 mm dia with length not le | each | 53.20 |
| 793 | MA-BLD-PL-163 | Flexible (coil shaped) PVC waste pipe for sink and wash basin 40 mm dia with length not le | each | 51.87 |
| 794 | MA-BLD-PL-164 | Coloured High density polyethylene/ poly propylene 10 lit. (full flush) capacity controlle | each | 1094.59 |
| 795 | MA-BLD-PL-165 | White Vitreous china 10 lit. (full flush) capacity controlled low level flushing cistern | each | 1610.63 |
| 796 | MA-BLD-PL-166 | Coloured Vitreous china 10 lit. (full flush) capacity controlled low level flushing cistern | each | 2194.50 |
| 797 | MA-BLD-PL-167 | Flushing Cistern P.V.C. 10 lts capacity (low level) (White) (with fittings, accessorie | each | 1679.46 |
| 798 | MA-BLD-PL-168 | P.V.C. automatic flushing cistern 5 lts capacity | each | 813.96 |
| 799 | MA-BLD-PL-169 | P.V.C. automatic flushing cistern 10 lts capacity | each | 864.50 |
| 800 | MA-BLD-PL-170 | 15 mm C.P. brass tap with elbow operation lever | each | 944.30 |
| 801 | MA-BLD-PL-171 | White glazed fire clay draining board 600x450x25 mm | each | 917.70 |
| 802 | MA-BLD-PL-172 | G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Single lipped urina | each | 332.50 |
| 803 | MA-BLD-PL-173 | G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of two lipped | each | 864.50 |
| 804 | MA-BLD-PL-174 | G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of three lipp | each | 1263.50 |
| 805 | MA-BLD-PL-175 | G.I. flush pipe and C.P. brass spreader including C.P. connecting pipe Range of four lippe | each | 1928.50 |



| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|------------------------------------------------------------------------------------------|---------|---------|
| 806 | MA-BLD-PL-176 | White vitreous china clay half stall urinal flat back 580x380x350 mm or angle back 450x3 | each | 1995.00 |
| 807 | MA-BLD-PL-177 | PTMT Waste Coupling 31/32MM | Each | 119.70 |
| 808 | MA-BLD-PL-178 | PTMT Waste Coupling 38/40MM | Each | 186.20 |
| 809 | MA-BLD-PL-179 | PTMT Bottle Trap 31/32MM | Each | 372.40 |
| 810 | MA-BLD-PL-180 | PTMT Bottle Trap 38/40MM | Each | 332.50 |
| 811 | MA-BLD-PL-181 | PTMT Liquid Soap Container of 400ml capacity | Each | 279.30 |
| 812 | MA-BLD-PL-182 | PTMT Towel Ring 215x200x37mm | Each | 199.50 |
| 813 | MA-BLD-PL-183 | PTMT Towel Rail (450MM) | Each | 212.80 |
| 814 | MA-BLD-PL-184 | PTMT Towel Rail (600MM) | Each | 252.70 |
| 815 | MA-BLD-PL-185 | PTMT Shelf 450x124x36mm | Each | 438.90 |
| 816 | MA-BLD-PL-186 | PTMT Urinal Spreader 15MM | Each | 172.90 |
| 817 | MA-BLD-PL-187 | Salem Stainless steel AISI - 304 (18/8) Orrisa pattern W.C. pan 724mm X 578mm | each | 7692.59 |
| 818 | MA-BLD-PL-188 | Salem Stainless steel AISI - 304 (18/8) Round basin 405mm X 355mm | each | 2673.30 |
| 819 | MA-BLD-PL-189 | Salem Stainless steel AISI - 304 (18/8) Wash basin 530mm X 345mm | each | 2836.89 |
| 820 | MA-BLD-PL-190 | Centrifugally cast (spun) iron S&S 100 mm inlet and 100 mm outlet | each | 786.03 |
| 821 | MA-BLD-PL-191 | Centrifugally cast (spun) iron S&S 100 mm inlet and 75 mm outlet | each | 678.30 |
| 822 | MA-BLD-PL-192 | P.T.M.T. Urinal cock 15mm dia | each | 212.80 |
| 823 | MA-BLD-PL-193 | Bleaching powder | quintal | 2287.60 |
| 824 | MA-BLD-PL-194 | Surface box for stop cock | each | 172.90 |
| 825 | MA-BLD-PL-195 | Surface box for sluice valve | each | 323.19 |
| 826 | MA-BLD-PL-196 | Brass bib-cock 15 mm dia | each | 299.25 |
| 827 | MA-BLD-PL-197 | Brass bib-cock 20 mm dia | each | 432.25 |
| 828 | MA-BLD-PL-198 | Brass stop-cock 15 mm dia | each | 299.25 |
| 829 | MA-BLD-PL-199 | Brass stop-cock 20 mm dia | each | 432.25 |
| 830 | MA-BLD-PL-200 | C.I.mouth, brass ferrule 15 mm dia | each | 226.10 |
| 831 | MA-BLD-PL-201 | C.I.mouth, brass ferrule 20 mm dia | each | 251.37 |
| 832 | MA-BLD-PL-202 | C.I.mouth, brass ferrule 25 mm dia | each | 331.17 |
| 833 | MA-BLD-PL-203 | Rubber insertions for 125 mm dia pipe joints | each | 31.92 |
| 834 | MA-BLD-PL-204 | Rubber insertions for 150 mm dia pipe joints | each | 29.26 |
| 835 | MA-BLD-PL-205 | Rubber insertions for 200 mm dia pipe joints | each | 35.91 |
| 836 | MA-BLD-PL-206 | Rubber insertions for 250 mm dia pipe joints | each | 51.87 |
| 837 | MA-BLD-PL-207 | Rubber insertions for 300 mm dia pipe joints | each | 63.84 |
| 838 | MA-BLD-PL-208 | Rubber insertions for 350 mm dia pipe joints | each | 73.15 |
| 839 | MA-BLD-PL-209 | Rubber insertions for 400 mm dia pipe joints | each | 119.70 |
| 840 | MA-BLD-PL-210 | Rubber insertions for 450 mm dia pipe joints | each | 147.63 |
| 841 | MA-BLD-PL-211 | Rubber insertions for 500 mm dia pipe joints | each | 172.90 |
| 842 | MA-BLD-PL-212 | Rubber insertions for 600 mm dia pipe joints | each | 199.50 |
| 843 | MA-BLD-PL-213 | S & S.C.I.standard specials up to 300 mm dia (heavy class) | quintal | 5467.63 |
| 844 | MA-BLD-PL-214 | S & S.C.I.standard specials over 300 mm dia (heavy class) | quintal | 6058.15 |
| 845 | MA-BLD-PL-215 | Flanged C.I. standard specials up to 300 mm dia(heavy class) | quintal | 8660.96 |
| 846 | MA-BLD-PL-216 | Flanged C.I. standard specials over 300 mm dia(heavy class) | quintal | 9307.34 |
| 847 | MA-BLD-PL-217 | G.I. pipes 15 mm dia medium | metre | 95.63 |
| 848 | MA-BLD-PL-218 | G.I. pipes 20 mm dia | metre | 121.13 |
| 849 | MA-BLD-PL-219 | G.I. pipes 25 mm dia | metre | 163.20 |
| 850 | MA-BLD-PL-220 | G.I. pipes 32 mm dia | metre | 209.10 |
| 851 | MA-BLD-PL-221 | G.I. pipes 40 mm dia | metre | 243.53 |
| 852 | MA-BLD-PL-222 | G.I. pipes 50 mm dia | metre | 330.23 |
| 853 | MA-BLD-PL-223 | G.I. pipes 65 mm dia | metre | 415.65 |



| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|-----------------------------------------------------------------------------|-----------|----------|
| 854 | MA-BLD-PL-224 | G.I. pipes 80 mm dia | metre | 534.23 |
| 855 | MA-BLD-PL-225 | G.I. back (jam) nuts25 mm dia | each | 15.30 |
| 856 | MA-BLD-PL-226 | G.I. back (jam) nuts65 mm dia | each | 57.38 |
| 857 | MA-BLD-PL-227 | G.I. tees (equal) 25 mm | each | 44.63 |
| 858 | MA-BLD-PL-228 | G.I. tees (equal) 65 mm | each | 246.08 |
| 859 | MA-BLD-PL-229 | G.I. Union 15 mm nominal bore | each | 35.97 |
| 860 | MA-BLD-PL-230 | G.I. Union 20 mm nominal bore | each | 49.73 |
| 861 | MA-BLD-PL-231 | G.I. Union 25 mm nominal bore | each | 67.58 |
| 862 | MA-BLD-PL-232 | G.I. Union 32 mm nominal bore | each | 102.00 |
| 863 | MA-BLD-PL-233 | G.I. Union 40 mm nominal bore | each | 124.31 |
| 864 | MA-BLD-PL-234 | G.I. Union 50 mm nominal bore | each | 191.25 |
| 865 | MA-BLD-PL-235 | G.I. Union 65 mm nominal bore | each | 358.28 |
| 866 | MA-BLD-PL-236 | G.I. Union 80mm nominal bore | each | 496.61 |
| 867 | MA-BLD-PL-237 | Polyethylene water storage tank with cover and suitable locking arrangement | per litre | 8.49 |
| 868 | MA-BLD-PL-238 | Unplasticised P.V.C. connection pipe with brass union 30 cm long 15 mm bore | each | 55.00 |
| 869 | MA-BLD-PL-239 | Unplasticised P.V.C. connection pipe with brass union 30 cm long 20 mm bore | each | 77.00 |
| 870 | MA-BLD-PL-240 | Unplasticised P.V.C. connection pipe with brass union 45 cm long 15 mm bore | each | 65.00 |
| 871 | MA-BLD-PL-241 | Unplasticised P.V.C. connection pipe with brass union 45 cm long 20 mm bore | each | 91.00 |
| 872 | MA-BLD-PL-242 | S.C.I. hand pump | each | 1050.00 |
| 873 | MA-BLD-PL-243 | Shower rose C.P.brass for 15 to 20 mm inlet 100 mm dia | each | 480.00 |
| 874 | MA-BLD-PL-244 | Shower rose C.P.brass for 15 to 20 mm inlet 150 mm dia | each | 905.00 |
| 875 | MA-BLD-PL-245 | Strainer brass 40 mm dia 1.5 metre long | each | 1240.00 |
| 876 | MA-BLD-PL-246 | H.P. or L.P. ball valve with polythene floats: 15 mm dia | each | 395.00 |
| 877 | MA-BLD-PL-247 | H.P. or L.P. ball valve with polythene floats: 20 mm dia | each | 290.00 |
| 878 | MA-BLD-PL-248 | H.P. or L.P. ball valve with polythene floats: 25 mm dia | each | 430.00 |
| 879 | MA-BLD-PL-249 | Brass full way valve with C.I. wheel (screwed end) 25 mm dia | each | 650.00 |
| 880 | MA-BLD-PL-250 | Brass full way valve with C.I. wheel (screwed end) 32 mm dia | each | 1150.00 |
| 881 | MA-BLD-PL-251 | Brass full way valve with C.I. wheel (screwed end) 40 mm dia | each | 1450.00 |
| 882 | MA-BLD-PL-252 | Brass full way valve with C.I. wheel (screwed end) 50 mm dia | each | 1950.00 |
| 883 | MA-BLD-PL-253 | Brass full way valve with C.I. wheel (screwed end) 65 mm dia | each | 3450.00 |
| 884 | MA-BLD-PL-254 | Brass full way valve with C.I. wheel (screwed end) 80 mm dia | each | 10500.00 |
| 885 | MA-BLD-PL-261 | C.I.slauce valve (with caps) class I : 100 mm dia | each | 6370.00 |
| 886 | MA-BLD-PL-262 | C.I.slauce valve (with caps) class I : 125 mm dia | each | 7800.00 |
| 887 | MA-BLD-PL-263 | C.I.slauce valve (with caps) class I : 150 mm dia | each | 9100.00 |
| 888 | MA-BLD-PL-264 | C.I.slauce valve (with caps) class I : 200 mm dia | each | 14300.00 |
| 889 | MA-BLD-PL-265 | C.I.slauce valve (with caps) class I : 250 mm dia | each | 23400.00 |
| 890 | MA-BLD-PL-266 | C.I.slauce valve (with caps) class I : 300 mm dia | each | 26019.00 |
| 891 | MA-BLD-PL-267 | Bolts and nuts 16 mm dia 60 mm long | each | 11.00 |
| 892 | MA-BLD-PL-268 | Bolts and nuts 16 mm dia 65 mm long | each | 13.50 |
| 893 | MA-BLD-PL-269 | Bolts and nuts 20 mm dia 65 mm long | each | 22.00 |
| 894 | MA-BLD-PL-270 | Bolts and nuts 20 mm dia 70 mm long | each | 25.00 |
| 895 | MA-BLD-PL-271 | Bolts and nuts 20 mm dia 75 mm long | each | 25.00 |



| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|----------------------------------------------------------------------------------------------|-------|----------|
| 896 | MA-BLD-PL-272 | Bolts and nuts 20 mm dia 80 mm long | each | 27.00 |
| 897 | MA-BLD-PL-273 | Bolts and nuts 24 mm dia 85 mm long | each | 40.00 |
| 898 | MA-BLD-PL-274 | Bolts and nuts 24 mm dia 90 mm long | each | 48.00 |
| 899 | MA-BLD-PL-275 | Bolts and nuts 27 mm dia 100 mm long | each | 50.00 |
| 900 | MA-BLD-PL-283 | C.I.slucice valve (with caps) class II : 125 mm dia | each | 26490.00 |
| 901 | MA-BLD-PL-284 | C.I.slucice valve (with caps) class II : 150 mm dia | each | 24248.00 |
| 902 | MA-BLD-PL-285 | C.I.slucice valve (with caps) class II : 200 mm dia | each | 39515.00 |
| 903 | MA-BLD-PL-286 | C.I.slucice valve (with caps) class II : 250 mm dia | each | 58174.00 |
| 904 | MA-BLD-PL-287 | C.I.slucice valve (with caps) class II : 300 mm dia | each | 74534.00 |
| 905 | MA-BLD-PL-288 | 15 mm Battery Based Sensor Pillar Cock | Each | 13700.00 |
| 906 | MA-BLD-PL-290 | C.P. Brass bibcock 15 mm | each | 725.00 |
| 907 | MA-BLD-PL-291 | C.P. Brass long nose bibcock 15 mm | each | 860.00 |
| 908 | MA-BLD-PL-292 | C.P. Brass long body bibcock 15 mm | each | 925.00 |
| 909 | MA-BLD-PL-293 | C.P. Brass stop cock (concealed) 15 mm | each | 1270.00 |
| 910 | MA-BLD-PL-294 | C.P. Brass angle valve 15 mm | each | 870.00 |
| 911 | MA-BLD-PL-295 | 15 mm PTMT bib cock | each | 94.80 |
| 912 | MA-BLD-PL-296 | 15 mm PTMT bib cock with flange (fancy) | each | 102.60 |
| 913 | MA-BLD-PL-297 | 15 mm PTMT bib cock long body with flange | each | 106.80 |
| 914 | MA-BLD-PL-298 | 15 mm dia PTMT stop cock(male thread) | each | 250.00 |
| 915 | MA-BLD-PL-299 | 20 mm dia. PTMT stop cock | each | 455.00 |
| 916 | MA-BLD-PL-300 | PTMT pillar cock | each | 122.40 |
| 917 | MA-BLD-PL-301 | PTMT push cock 15 mm dia. | each | 96.60 |
| 918 | MA-BLD-PL-302 | PTMT push cock 12 mm dia. 20 mm BSP | each | 242.00 |
| 919 | MA-BLD-PL-303 | PTMT grating 100 mm dia. | each | 13.00 |
| 920 | MA-BLD-PL-304 | PTMT Pillar cock (fancy) 15mm foam flow | Each | 137.40 |
| 921 | MA-BLD-PL-305 | 125 mm grating with waste hole | each | 65.00 |
| 922 | MA-BLD-PL-306 | Rectangular type with openable circular lid 150 mm size 18 mm high with 100 mm dia. (110 gm) | each | 90.60 |
| 923 | MA-BLD-PL-307 | Double acting air valve 50 mm | each | 9800.00 |
| 924 | MA-BLD-PL-308 | Double acting air valve 80 mm | each | 14500.00 |
| 925 | MA-BLD-PL-309 | Double acting air valve 100 mm | each | 19000.00 |
| 926 | MA-BLD-PL-310 | Water meter (including testing charges) 80 mm | each | 17550.00 |
| 927 | MA-BLD-PL-311 | Water meter (including testing charges) 100 mm | each | 21100.00 |
| 928 | MA-BLD-PL-312 | Water meter (including testing charges) 150 mm | each | 32500.00 |
| 929 | MA-BLD-PL-313 | Water meter (including testing charges) 200 mm | each | 42900.00 |
| 930 | MA-BLD-PL-314 | Dirt box strainer 80 mm | each | 4045.00 |
| 931 | MA-BLD-PL-315 | Dirt box strainer 100 mm | each | 6498.00 |
| 932 | MA-BLD-PL-316 | Dirt box strainer 150 mm | each | 8652.00 |
| 933 | MA-BLD-PL-317 | Dirt box strainer 200 mm | each | 12570.00 |
| 934 | MA-BLD-PL-318 | PTMT Ball Cock 15mm Complete with Epoxy Coated Aluminium Road & H.D. Ball | each | 310.00 |
| 935 | MA-BLD-PL-319 | PTMT Ball Cock 20mm Complete with Epoxy Coated Aluminium Road & H.D. Ball | each | 610.00 |
| 936 | MA-BLD-PL-320 | PTMT Ball Cock 25mm Complete with Epoxy Coated Aluminium Road & H.D. Ball | each | 927.00 |
| 937 | MA-BLD-PL-321 | PTMT Ball Cock 40mm Complete with Epoxy Coated Aluminium Road & | each | 883.70 |
| 938 | MA-BLD-PL-322 | PTMT Ball Cock 50mm Complete with Epoxy Coated Aluminium Road & H.D. Ball | each | 1303.00 |
| 939 | MA-BLD-PL-323 | PTMT Angle Stop cock with Flange 15mm | Each | 147.30 |
| 940 | MA-BLD-PL-324 | PTMT Swiveling shower 15mm | Each | 98.57 |
| 941 | MA-BLD-PL-325 | PTMT Soap Dish/Holder 138x102x75mm | Each | 136.00 |
| 942 | MA-BLD-PL-326 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 100mm dia | Metre | 1051.55 |
| 943 | MA-BLD-PL-327 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 150mm dia | Metre | 1504.26 |
| 944 | MA-BLD-PL-328 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 250mm dia | Metre | 2317.54 |



| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|------------------------------------------------------------------------------------------|---------|----------|
| 945 | MA-BLD-PL-329 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 300mm dia | Metre | 3107.95 |
| 946 | MA-BLD-PL-330 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 350mm dia | Metre | 3899.49 |
| 947 | MA-BLD-PL-331 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 400mm dia | Metre | 4691.51 |
| 948 | MA-BLD-PL-332 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 450mm dia | Metre | 5682.17 |
| 949 | MA-BLD-PL-333 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 500mm dia | Metre | 6727.66 |
| 950 | MA-BLD-PL-334 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 600mm dia | Metre | 7982.70 |
| 951 | MA-BLD-PL-335 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 700mm dia | Metre | 10159.03 |
| 952 | MA-BLD-PL-336 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 750mm dia | Metre | 12875.37 |
| 953 | MA-BLD-PL-337 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 800mm dia | Metre | 14796.44 |
| 954 | MA-BLD-PL-338 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 900mm dia | Metre | 17585.20 |
| 955 | MA-BLD-PL-339 | Ductile Iron class K - 9 pipe Conforming to I.S. 8329 - 1000mm dia | Metre | 21538.68 |
| 956 | MA-BLD-PL-340 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 100mm dia | Each | 49.98 |
| 957 | MA-BLD-PL-341 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 150mm dia | Each | 74.35 |
| 958 | MA-BLD-PL-342 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 200mm dia | Each | 93.26 |
| 959 | MA-BLD-PL-343 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 250mm dia | Each | 116.04 |
| 960 | MA-BLD-PL-344 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 300mm dia | Each | 195.10 |
| 961 | MA-BLD-PL-345 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 350mm dia | Each | 223.78 |
| 962 | MA-BLD-PL-346 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 400mm dia | Each | 345.18 |
| 963 | MA-BLD-PL-347 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 450mm dia | Each | 388.60 |
| 964 | MA-BLD-PL-348 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 500mm dia | Each | 492.18 |
| 965 | MA-BLD-PL-349 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 600mm dia | Each | 750.78 |
| 966 | MA-BLD-PL-350 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 700mm dia | Each | 1340.15 |
| 967 | MA-BLD-PL-351 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 750mm dia | Each | 1366.96 |
| 968 | MA-BLD-PL-352 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 800mm dia | Each | 1443.34 |
| 969 | MA-BLD-PL-353 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 900mm dia | Each | 1822.40 |
| 970 | MA-BLD-PL-354 | Rubber Gaskets Conforming to I.S 5382 of S.B.R quality 1000mm dia | Each | 2041.62 |
| 971 | MA-BLD-PL-355 | Ductile Iron K - 12 specials suitable for push on jointing up to 600mm dia | Quintal | 12864.00 |
| 972 | MA-BLD-PL-356 | Ductile Iron K - 12 specials suitable for push on jointing over 600mm dia | Quintal | 16348.00 |
| 973 | MA-BLD-PL-357 | Ductile Iron specials suitable for mechanical jointing as per I.S. 9523 -up to 600mm dia | Quintal | 10988.00 |



Buildings Schedule/Common Schedule 2023
Master Rate List

| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|--------------------------------------------------------------------------------------------------------------|---------|----------|
| 974 | MA-BLD-PL-358 | Ductile Iron Specials suitable for mechanical jointing as per I.S. 9523 over 600mm dia | Quintal | 18492.00 |
| 975 | MA-BLD-PL-359 | Ductile Iron Pipe Class K-9 flanges and welding 100mm dia | Metre | 3881.98 |
| 976 | MA-BLD-PL-360 | Ductile Iron Pipe Class K-9 flanges and welding 150mm dia | metre | 5382.78 |
| 977 | MA-BLD-PL-361 | Ductile Iron Pipe Class K-9 flanges and welding 200mm dia | Metre | 7163.64 |
| 978 | MA-BLD-PL-362 | Ductile Iron Pipe Class K-9 flanges and welding 250mm dia | Metre | 9629.24 |
| 979 | MA-BLD-PL-363 | Ductile Iron Pipe Class K-9 flanges and welding 300mm dia | metre | 12554.46 |
| 980 | MA-BLD-PL-364 | Ductile Iron Pipe Class K-9 flanges and welding 350mm dia | Metre | 15987.54 |
| 981 | MA-BLD-PL-365 | Ductile Iron Pipe Class K-9 flanges and welding 400mm dia | Metre | 21726.76 |
| 982 | MA-BLD-PL-366 | Ductile Iron Pipe Class K-9 flanges and welding 450mm dia | Metre | 26624.46 |
| 983 | MA-BLD-PL-367 | Ductile Iron Pipe Class K-9 flanges and welding 500mm dia | Metre | 30341.62 |
| 984 | MA-BLD-PL-368 | Ductile Iron Pipe Class K-9 flanges and welding 600mm dia | Metre | 38554.48 |
| 985 | MA-BLD-PL-369 | Ductile Iron Pipe Class K-9 flanges and welding 700mm dia | Metre | 51488.16 |
| 986 | MA-BLD-PL-370 | S&S Centrifugally (Spun) C.I. Pipe class LA 100mm dia | Metre | 1081.00 |
| 987 | MA-BLD-PL-371 | S&S Centrifugally (Spun) C.I. Pipe class LA 125mm dia | metre | 1437.00 |
| 988 | MA-BLD-PL-372 | S&S Centrifugally (Spun) C.I. Pipe class LA 150mm dia | metre | 1747.00 |
| 989 | MA-BLD-PL-373 | S&S Centrifugally (Spun) C.I. Pipe class LA 200mm dia | Metre | 2600.00 |
| 990 | MA-BLD-PL-374 | S&S Centrifugally (Spun) C.I. Pipe class LA 250mm dia | Metre | 3593.00 |
| 991 | MA-BLD-PL-375 | S&S Centrifugally (Spun) C.I. Pipe class LA 300mm dia | Metre | 4439.00 |
| 992 | MA-BLD-PL-376 | S&S Centrifugally (Spun) C.I. Pipe class LA 350mm dia | metre | 5839.00 |
| 993 | MA-BLD-PL-377 | S&S Centrifugally (Spun) C.I. Pipe class LA 400mm dia | Metre | 7042.00 |
| 994 | MA-BLD-PL-378 | S&S Centrifugally (Spun) C.I. Pipe class LA 450mm dia | Metre | 8643.00 |
| 995 | MA-BLD-PL-379 | S&S Centrifugally (Spun) C.I. Pipe class LA 500mm dia | Metre | 9871.00 |
| 996 | MA-BLD-PL-380 | S&S Centrifugally (Spun) C.I. Pipe class LA 600mm dia | Metre | 13768.00 |
| 997 | MA-BLD-PL-381 | S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing up to 300 mm dia | Quintal | 6670.00 |
| 998 | MA-BLD-PL-382 | S&S Centrifugally (Spun) C.I. Pipe Specials as per IS 1538 suitable for lead jointing over 300 mm dia | Quintal | 8151.00 |
| 999 | MA-BLD-PL-383 | S&S Centrifugally (Spun) C.I. Pipe specials suitable for mechanical joint as per I.S. 13382 up to 300 mm dia | Quintal | 7560.00 |
| 1000 | MA-BLD-PL-384 | S&S Centrifugally (Spun) C.I. Pipe Specials suitable for mechanical joint as per IS 13382 over 300 mm dia | Quintal | 8305.00 |



| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|------------------------------------------------------------------------------------------------------------|-------|---------|
| 1001 | MA-BLD-PL-385 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 100mm dia | Metre | 1942.00 |
| 1002 | MA-BLD-PL-386 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 150mm dia | Metre | 1955.00 |
| 1003 | MA-BLD-PL-387 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 200mm dia | Metre | 2018.00 |
| 1004 | MA-BLD-PL-388 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 250mm dia | Metre | 2016.00 |
| 1005 | MA-BLD-PL-389 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 300mm dia | Metre | 2124.00 |
| 1006 | MA-BLD-PL-390 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 350mm dia | Metre | 2185.00 |
| 1007 | MA-BLD-PL-391 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 400mm dia | Metre | 2180.00 |
| 1008 | MA-BLD-PL-392 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 450mm dia | Metre | 2203.00 |
| 1009 | MA-BLD-PL-393 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 500mm dia | Metre | 2260.00 |
| 1010 | MA-BLD-PL-394 | Screwed double flanged centrifugally cast (spun) C.I. Pipe of Class B conforming to I.S. 1536, - 600mm dia | Metre | 2760.00 |
| 1011 | MA-BLD-PL-395 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 100mm dia | Metre | 918.60 |
| 1012 | MA-BLD-PL-396 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 150mm dia | Metre | 1314.16 |
| 1013 | MA-BLD-PL-397 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 200mm dia | Metre | 1663.58 |
| 1014 | MA-BLD-PL-398 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 250mm dia | Metre | 2189.91 |
| 1015 | MA-BLD-PL-399 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 300mm dia | Metre | 2760.19 |
| 1016 | MA-BLD-PL-400 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 350mm dia | Metre | 3401.88 |
| 1017 | MA-BLD-PL-401 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 400mm dia | Metre | 4093.03 |



| Buildings Schedule/Common Schedule 2023 Master Rate List | | | | |
|-------------------------------------------------------------|---------------|----------------------------------------------------------------------------|-------|----------|
| Sr.No | Material Code | Common Items | Unit | Rate |
| 1018 | MA-BLD-PL-402 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 450mm dia | Metre | 4915.38 |
| 1019 | MA-BLD-PL-403 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 500mm dia | Metre | 5729.14 |
| 1020 | MA-BLD-PL-404 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 600mm dia | metre | 7582.09 |
| 1021 | MA-BLD-PL-405 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 700mm dia | Metre | 10426.51 |
| 1022 | MA-BLD-PL-406 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 800mm dia | Metre | 13497.66 |
| 1023 | MA-BLD-PL-407 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 900mm dia | metre | 16401.79 |
| 1024 | MA-BLD-PL-408 | Ductile Iron Class K- 7 pipe conforming to I.S. 8329 - 1000mm dia | metre | 20132.21 |
| 1025 | MA-BLD-PL-409 | P.T.M.T. Bib cock with nozzle 15mm | each | 103.00 |
| 1026 | MA-BLD-PL-410 | P.T.M.T. Stop cock (concealed) 15mm | each | 99.00 |
| 1027 | MA-BLD-PL-411 | 15 mm nominal bore and 30 cm length PVC connection pipe with P.T.M.T. Nuts | each | 112.00 |
| 1028 | MA-BLD-PL-412 | 15 mm nominal bore and 45 cm length PVC connection pipe with P.T.M.T. Nuts | each | 134.00 |
| 1029 | MA-BLD-PL-413 | P.T.M.T. extension nipple 15mm | each | 33.00 |
| 1030 | MA-BLD-PL-414 | P.T.M.T. extension nipple 20mm | each | 43.00 |
| 1031 | MA-BLD-PL-415 | P.T.M.T. extension nipple 25mm | each | 48.00 |
| 1032 | MA-BLD-PL-416 | 16 mm PE-AL-PE Composite pressure pipe | Metre | 74.00 |
| 1033 | MA-BLD-PL-417 | 20 mm PE-AL-PE Composite pressure pipe | Metre | 92.00 |
| 1034 | MA-BLD-PL-418 | 25 mm PE-AL-PE Composite pressure pipe | Metre | 124.00 |
| 1035 | MA-BLD-PL-419 | 32 mm PE-AL-PE Composite pressure pipe | Metre | 182.00 |

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Master Rate List

| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|--------------------------------------------------------------------------------|-------|---------|
| 1036 | MA-BLD-PL-420 | 40 mm PE-AL-PE Composite pressure pipe | Metre | 280.00 |
| 1037 | MA-BLD-PL-421 | 50 mm PE-AL-PE Composite pressure pipe | Metre | 413.00 |
| 1038 | MA-BLD-PL-422 | Poly propylene- Random - Co - Polymer (PPR) pipes SDR 7.4 - 16 Outer dia | Metre | 59.00 |
| 1039 | MA-BLD-PL-423 | Poly propylene - Random - Co - Polymer (PPR) pipes SDR 7.4 - 20mm Outer dia. | Metre | 62.00 |
| 1040 | MA-BLD-PL-424 | Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 25 mm outer dia. | Metre | 94.00 |
| 1041 | MA-BLD-PL-425 | Poly propylene - Random - Co - poymer (PPR) pipes SDR 7.4 - 32 mm Outer dia. | Metre | 151.00 |
| 1042 | MA-BLD-PL-426 | Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 40mm Outer dia. | Metre | 242.00 |
| 1043 | MA-BLD-PL-427 | Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 50mm Outer dia. | Metre | 380.00 |
| 1044 | MA-BLD-PL-428 | Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 63mm Outer dia. | Metre | 615.00 |
| 1045 | MA-BLD-PL-429 | Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 75mm Outer dia. | Metre | 853.00 |
| 1046 | MA-BLD-PL-430 | Poly propylene - Random - Co - polymer (PPR) pipes SDR 7.4 - 90mm Outer dia. | Metre | 1293.00 |
| 1047 | MA-BLD-PL-431 | Poly propylene - Random - Co - polymer (PPR) pipes SDR - 11 - 110mm Outer dia. | Metre | 1312.00 |
| 1048 | MA-BLD-PL-432 | Poly propylene - Random - Co - polymer (PPR) pipes SDR - 11- 160mm Outer dia. | Metre | 2831.00 |
| 1049 | MA-BLD-PL-433 | Chlorinated Polyvinyl - chloride (CPVC) pipe 15 mm outer dia. (SDR 11) | metre | 38.00 |
| 1050 | MA-BLD-PL-434 | Chlorinated Polyvinyl - chloride (CPVC) pipe 20 mm outer dia. (SDR 11) | metre | 60.00 |
| 1051 | MA-BLD-PL-435 | Chlorinated Polyvinyl - chloride (CPVC) pipe 25 mm outer dia. (SDR 11) | metre | 92.00 |
| 1052 | MA-BLD-PL-436 | Chlorinated Polyvinyl - chloride (CPVC) pipe 32 mm outer dia. (SDR 11) | metre | 145.00 |
| 1053 | MA-BLD-PL-437 | Chlorinated Polyvinyl - chloride (CPVC) pipe 40 mm outer dia. (SDR 11) | metre | 200.00 |
| 1054 | MA-BLD-PL-438 | Chlorinated Polyvinyl - chloride (CPVC) pipe 50 mm outer dia. (SDR 11) | metre | 340.00 |
| 1055 | MA-BLD-PL-439 | Chlorinated Polyvinyl - chloride (CPVC) pipe 62.5mm inner dia. (SDR 11) | metre | 576.00 |
| 1056 | MA-BLD-PL-440 | Chlorinated Polyvinyl - chloride (CPVC) pipe 75 mm inner dia. (SDR 11) | metre | 762.00 |
| 1057 | MA-BLD-PL-441 | Chlorinated Polyvinyl - chloride (CPVC) pipe 100 mm inner dia. (SDR 11) | metre | 1084.00 |
| 1058 | MA-BLD-PL-442 | Chlorinated Polyvinyl - chloride (CPVC) pipe 150 mm inner dia. (SDR 11) | metre | 2008.00 |
| 1059 | MA-BLD-PL-443 | Carriage of G.I. pipes below 100 mm dia | tonne | 1062.00 |
| 1060 | MA-BLD-PL-444 | C.I. cover and frame 300x300 mm inside | each | 757.00 |
| 1061 | MA-BLD-PL-445 | C.I.cover without frame 300x300mm inside i/c cover of 4.50 kg | each | 603.00 |
| 1062 | MA-BLD-PL-446 | Rectangular cover 455x610mm without frame (low duty) | each | 1368.00 |
| 1063 | MA-BLD-PL-447 | 500 mm dia cover without frame (medium duty) | each | 1307.00 |
| 1064 | MA-BLD-PL-448 | C.I. grating 100x100 mm | each | 76.00 |
| 1065 | MA-BLD-PL-449 | C.I. grating 150x150 mm | each | 100.00 |
| 1066 | MA-BLD-PL-450 | C.I. grating 180x180 mm | each | 145.00 |
| 1067 | MA-BLD-PL-451 | S.C.I. soil, waste and vent single socketed pipe 1.80 metres long: 150mm dia | each | 4424.25 |
| 1068 | MA-BLD-PL-452 | S.C.I. plain bend 150mm dia | each | 1069.00 |



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Master Rate List

| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|-----------------------------------------------------------------------------------|---------|---------|
| 1069 | MA-BLD-PL-453 | R.C.C. pipes NP2 class 100 mm dia | metre | 255.00 |
| 1070 | MA-BLD-PL-454 | R.C.C. pipes NP2 class 150 mm dia | metre | 265.00 |
| 1071 | MA-BLD-PL-455 | R.C.C. pipes NP2 class 250 mm dia | metre | 430.00 |
| 1072 | MA-BLD-PL-456 | R.C.C. pipes NP2 class 300 mm dia | metre | 490.00 |
| 1073 | MA-BLD-PL-457 | R.C.C. pipes NP2 class 450 mm dia | metre | 650.00 |
| 1074 | MA-BLD-PL-458 | R.C.C. pipes NP2 class 500 mm dia | metre | 885.00 |
| 1075 | MA-BLD-PL-459 | R.C.C. pipes NP2 class 600 mm dia | metre | 1500.00 |
| 1076 | MA-BLD-PL-460 | R.C.C. pipes NP2 class 700 mm dia | metre | 2050.00 |
| 1077 | MA-BLD-PL-461 | R.C.C. pipes NP2 class 800 mm dia | metre | 2600.00 |
| 1078 | MA-BLD-PL-462 | R.C.C. pipes NP2 class 900 mm dia | metre | 3000.00 |
| 1079 | MA-BLD-PL-463 | R.C.C. pipes NP2 class 1000 mm dia | metre | 3500.00 |
| 1080 | MA-BLD-PL-464 | R.C.C. pipes NP2 class 1100 mm dia | metre | 3700.00 |
| 1081 | MA-BLD-PL-465 | R.C.C. pipes NP2 class 1200 mm dia | metre | 4000.00 |
| 1082 | MA-BLD-PL-466 | R.C.C. collars NP2 class 100 mm dia | each | 60.00 |
| 1083 | MA-BLD-PL-467 | Stoneware pipes grade A (60 cm long) 100 mm dia | each | 109.00 |
| 1084 | MA-BLD-PL-468 | Stoneware pipes grade A (60 cm long) 150 mm dia | each | 150.00 |
| 1085 | MA-BLD-PL-469 | Stoneware pipes grade A (60 cm long) 200 mm dia | each | 240.00 |
| 1086 | MA-BLD-PL-470 | Stoneware pipes grade A (60 cm long) 250 mm dia | each | 315.00 |
| 1087 | MA-BLD-PL-471 | S.W. gully trap P type 100x100 mm | each | 100.00 |
| 1088 | MA-BLD-PL-472 | S.W. gully trap P type 150x100 mm | each | 150.00 |
| 1089 | MA-BLD-PL-473 | S.W. gully trap P type 180x150 mm | each | 200.00 |
| 1090 | MA-BLD-PL-474 | 560 mm dia cover without frame (Heavy duty) | each | 2500.00 |
| 1091 | MA-BLD-PL-475 | S.C.I. Tee 150 mm | each | 1900.00 |
| 1092 | MA-BLD-PL-476 | S.W. intercepting trap 100 mm dia | each | 400.00 |
| 1093 | MA-BLD-PL-477 | S.W. intercepting trap 150 mm dia | each | 555.00 |
| 1094 | MA-BLD-PL-478 | Rectangular shape 600x450 mm precast R.C.C. manhole cover with frame - L.D. - 2.5 | each | 1542.00 |
| 1095 | MA-BLD-PL-479 | Square shape 350x350 mm precast R.C.C. manhole cover with frame - L.D. - 2.5 | each | 637.00 |
| 1096 | MA-BLD-PL-480 | Circular shape 450 mm dia precast R.C.C. manhole cover with frame | each | 977.00 |
| 1097 | MA-BLD-PL-481 | Rectangular shape 500x500 mm precast R.C.C. manhole cover with frame - M.D. - 10 | each | 1598.00 |
| 1098 | MA-BLD-PL-482 | Circular shape 500 mm dia precast R.C.C. manhole cover with frame - M.D. - 10 | each | 1092.00 |
| 1099 | MA-BLD-PL-483 | Circular shape 560 mm dia precast R.C.C. manhole cover with frame - H.D. - 20 | each | 962.00 |
| 1100 | MA-BLD-PL-484 | Circular shape 560 mm dia precast R.C.C. manhole cover with frame - E.H.D. - 35 | each | 2301.00 |
| 1101 | MA-BLD-PL-485 | Plastic encapsulated M.S. foot rest 30x20x15 cm | each | 258.00 |
| 1102 | MA-BLD-PL-486 | Extruded burnt flyash clay sewer bricks conforming to I.S 4885 - 1988 | 1000 No | 6298.00 |
| 1103 | MA-BLD-PL-487 | Hemp Rope | kg | 210.00 |
| 1104 | MA-BLD-PL-488 | W.I. Clamp | No. | 475.00 |
| 1105 | MA-BLD-PL-489 | Mud (dry) | cum | 899.00 |
| 1106 | MA-BLD-PW-1 | Water proofing compound - conplast WL EXTRA IC (Make- Fosroc) or equivalent | Lit. | 65.00 |
| 1107 | MA-BLD-PW-2 | Neeru | Kg | 7.00 |
| 1108 | MA-BLD-PW-3 | Sea Gravel | Cum | 772.00 |
| 1109 | MA-BLD-PW-4 | khrasalia sand | Cum | 3005.00 |
| 1110 | MA-BLD-PW-5 | Malad chip powder | Kg | 8.00 |
| 1111 | MA-BLD-PW-6 | Colours in plastering work / Pigments | Kg | 9.00 |
| 1112 | MA-BLD-PW-7 | polypropelene fibermesh fibers | Kg | 52.00 |
| 1113 | MA-BLD-PW-8 | Bird wired mesh/ Wired fabric mesh (12.5 x 24SWG) | Sqmt | 133.00 |
| 1114 | MA-BLD-PW-9 | Roofit readymade mortar for external plaster | Kg | 6.00 |
| 1115 | MA-BLD-PW-10 | Roofit readymade mortar for internal plaster | Kg | 6.00 |



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| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|
| 1116 | MA-BLD-PW-11 | Birla white Putty or equivalent | Kg | 19.05 |
| 1117 | MA-BLD-PW-12 | Gypsum Plaster (Stucco Plaster) | Kg | 8.00 |
| 1118 | MA-BLD-PV-1 | Factory made glass reinforced plastic door frame 90x45 mm i/c carriage. | Rm | 481.00 |
| 1119 | MA-BLD-PV-2 | 30 mm thick factory made glass fiber reinforced plastic panel door shutter i/c carriage. | Sqm | 1858.00 |
| 1120 | MA-BLD-PV-3 | 30 mm thick factory made glass fiber reinforced plastic flush door shutter i/c carriage. | Sqm | 2616.00 |
| 1121 | MA-BLD-PV-4 | Factory made solid PVC door frame 48 x 40mm including carriage. | Rm | 75.00 |
| 1122 | MA-BLD-PV-5 | Factory made solid PVC door frame 42 x 50mm including carriage. | Rm | 78.00 |
| 1123 | MA-BLD-PV-6 | 24 mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 59x24 mm | Sqm | 1226.00 |
| 1124 | MA-BLD-PV-7 | 25mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762mm X 25mm or less as per requirement with an average wall thickness of 1mm ± 0.3mm. | Sqm | 1148.00 |
| 1125 | MA-BLD-PV-8 | Factory made solid PVC door frame 50 x 47mm including EPDM rubber gasket weather seal, all fixtures and carriage. | Rm | 82.00 |
| 1126 | MA-BLD-PV-9 | 30mm thick factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for styles and 15x15mm for top & bottom rails. | Sqm | 1411.00 |
| 1127 | MA-BLD-PV-10 | 30mm thick factory made solid both side Pre- laminated panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for styles and 15x15mm for top & bottom rails. | Sqm | 3920.00 |
| 1128 | MA-BLD-PV-11 | Factory made solid PVC door frame 60 x 30mm | Rm | 103.00 |
| 1129 | MA-BLD-PV-12 | Factory made 30 mm thick solid PVC foam door shutter | Sqm | 2242.00 |
| 1130 | MA-BLD-PV-13 | Fibre reinforced plastic (FRP) chajja 4 mm | Sqm | 1512.00 |
| 1131 | MA-BLD-RW-1 | Mangalore tiles 20 mm thick. | Nos | 11.56 |
| 1132 | MA-BLD-RW-2 | Mangalore ridge tiles 20mm thick. | Nos | 32.86 |
| 1133 | MA-BLD-RW-3 | Non - Asbestos fibre cement corrugate serrated adjustable ridge. | Rm | 230.00 |
| 1134 | MA-BLD-RW-4 | Non - Asbestos fibre cement plain wing adjustable ridge. | Rm | 245.70 |
| 1135 | MA-BLD-RW-5 | Non - Asbestos fibre cement close fitting adjustable ridge. | Rm | 337.80 |
| 1136 | MA-BLD-RW-6 | Non - Asbestos fibre cement unserrated adjustable ridge for hips. | Rm | 290.00 |
| 1137 | MA-BLD-RW-7 | Non - Asbestos fibre cement eaves filler piece. | No. | 175.00 |
| 1138 | MA-BLD-RW-8 | Non - Asbestos fibre cement north light curves. | Rm | 239.50 |
| 1139 | MA-BLD-RW-9 | Non - Asbestos fibre cement ventilator curves. | No. | 245.70 |
| 1140 | MA-BLD-RW-10 | Non - Asbestos fibre cement barge boards 6 mm thick. | Rm | 200.00 |
| 1141 | MA-BLD-RW-11 | Non - Asbestos cement corrugated sheet 6 mm thick. | Sqm | 280.00 |
| 1142 | MA-BLD-RW-12 | Non - Asbestos fibre cement ridge finial. | pair | 175.00 |
| 1143 | MA-BLD-RW-13 | Non - Asbestos fibre cement special north light curves. | No. | 395.00 |
| 1144 | MA-BLD-RW-14 | Non - Asbestos fibre cement S type louvers. | No. | 265.00 |
| 1145 | MA-BLD-RW-15 | UV stabilised 1.5 mm thick corrugated FRP sheet . | sqm | 554.10 |



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| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|--------------------------------------------------------------------------------------------------------|---------|---------|
| 1146 | MA-BLD-RW-16 | UV stabilised 2 mm thick corrugated Polycarbonate sheet. | sqm | 1300.00 |
| 1147 | MA-BLD-RW-17 | 0.63mm thk G.I Corrugated Sheets | sqm | 155.00 |
| 1148 | MA-BLD-RW-18 | 0.80mm thk G.I Corrugated Sheets | sqm | 155.00 |
| 1149 | MA-BLD-RW-19 | 1.00mm thk G.I Corrugated Sheets | sqm | 163.00 |
| 1150 | MA-BLD-RW-20 | 0.63mm thk G.I plain Sheets | sqm | 443.00 |
| 1151 | MA-BLD-RW-21 | 0.80mm thk G.I Plain Sheets | sqm | 450.00 |
| 1152 | MA-BLD-RW-22 | 1.00mm thk G.I Plain Sheets | sqm | 465.00 |
| 1153 | MA-BLD-RW-23 | Bare galvalume profile sheet 0.50 mm TCT | sqm | 445.00 |
| 1154 | MA-BLD-RW-24 | Precoated Zinalume profile sheet 0.45 mm BMT | sqm | 475.00 |
| 1155 | MA-BLD-RW-25 | Precoated galvanised steel plain ridges. | Rm | 344.00 |
| 1156 | MA-BLD-RW-26 | Precoated galvanised steel barge board. | Rm | 335.00 |
| 1157 | MA-BLD-RW-27 | Precoated galvanised steel flashings/aprons. | metre | 328.00 |
| 1158 | MA-BLD-RW-28 | Precoated galvanised steel crimp curve | sqm | 444.00 |
| 1159 | MA-BLD-RW-29 | 3.12 MS gutter, 600mm Girth | Rmt | 618.00 |
| 1160 | MA-BLD-RW-30 | 3.12 MS gutter, 800mm Girth | Rmt | 824.00 |
| 1161 | MA-BLD-RW-31 | 3.12 MS gutter, 1000mm Girth | Rmt | 1030.00 |
| 1162 | MA-BLD-RW-32 | 3.12 MS gutter, 1200mm Girth | Rmt | 1236.00 |
| 1163 | MA-BLD-RW-33 | 1.00mm thick Precoated galvanised steel gutter | metre | 468.70 |
| 1164 | MA-BLD-RW-34 | 0.80mm thick Precoated galvanised steel gutter | metre | 376.00 |
| 1165 | MA-BLD-RW-35 | 0.80mm thick Precoated galvanised steel box type gutter | metre | 746.80 |
| 1166 | MA-BLD-RW-36 | U-PVC pipes (working pressure 4 kg / cm ²) Single socketed pipe 75 mm dia. | metre | 79.00 |
| 1167 | MA-BLD-RW-37 | U-PVC pipes (working pressure 4 kg / cm ²) Rubber (Seal) Ring 75 mm dia. | each | 11.60 |
| 1168 | MA-BLD-RW-38 | U-PVC pipes (working pressure 4 kg / cm ²) Single socketed pipe 110 mm dia. | metre | 139.00 |
| 1169 | MA-BLD-RW-39 | U-PVC pipes (working pressure 4 kg / cm ²) Rubber (Seal) Ring 110 mm dia. | each | 23.20 |
| 1170 | MA-BLD-RW-40 | U-PVC pipes (working pressure 4 kg / cm ²) Single socketed pipe 160 mm dia. | metre | 313.00 |
| 1171 | MA-BLD-RW-41 | U-PVC pipes (working pressure 4 kg / cm ²) Rubber (Seal) Ring 160 mm dia. | each | 41.50 |
| 1172 | MA-BLD-RW-42 | S.C.I. soil, waste and vent single socketed pipe: 75mm dia | Rmt | 881.00 |
| 1173 | MA-BLD-RW-43 | S.C.I. soil, waste and vent single socketed pipe: 100mm dia | Rmt | 1054.00 |
| 1174 | MA-BLD-RW-44 | S.C.I. soil, waste and vent single socketed pipe: 150mm dia | Rmt | 1895.00 |
| 1175 | MA-BLD-RW-45 | 90mm Sq Galvalume pipe | Rmt | 855.00 |
| 1176 | MA-BLD-RW-46 | Seam bolts and nuts 6 mm dia and 25 mm long | 10 Nos | 43.00 |
| 1177 | MA-BLD-RW-47 | G.I. plain washer for seam bolts | 100 Nos | 115.00 |
| 1178 | MA-BLD-RW-48 | Galvanised steel bolts & nuts 10 mm dia and 125 mm long round head with slots | No. | 13.00 |
| 1179 | MA-BLD-RW-49 | Galvanised steel bolts & nuts 10 mm dia and 27 cm long both sides threaded with 4 galvanised steelnuts | No. | 26.00 |
| 1180 | MA-BLD-RW-50 | Galvanised steel bolts 10 mm dia and 7 cm long with nuts | No. | 18.00 |
| 1181 | MA-BLD-RW-51 | Galvanised steel bolts & nuts 6 mm dia and 25 mm long round head with slots | 10 Nos | 115.00 |
| 1182 | MA-BLD-RW-52 | Galvanised steel J or L hooks 8 mm dia, 300 long and nuts | 10 Nos | 114.00 |
| 1183 | MA-BLD-RW-53 | Bitumen washer | 100 Nos | 32.00 |
| 1184 | MA-BLD-RW-54 | G.I. plain washer thin | 100 Nos | 37.00 |
| 1185 | MA-BLD-RW-55 | G.I. plain washer thick | 100 Nos | 40.00 |
| 1186 | MA-BLD-RW-56 | G.I. Limpet washer | 100 Nos | 44.00 |



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| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|
| 1187 | MA-BLD-RW-57 | 5 mm thick rough cast wired glass | Sqm | 1323.00 |
| 1188 | MA-BLD-RW-58 | Roofing paint for iron sheets in red colour | litre | 128.00 |
| 1189 | MA-BLD-RW-59 | Rubberised Paint | Lit | 189.00 |
| 1190 | MA-BLD-RW-61 | Polyester powder coating 50 microns on aluminium sections | kilogram | 56.00 |
| 1191 | MA-BLD-RW-63 | Oil type wood preservative | Lit. | 88.00 |
| 1192 | MA-BLD-RW-64 | U-PVC pipes (working pressure 4 kg / cm ²) Single socketed pipe 200 mm dia. | metre | 184.00 |
| 1193 | MA-BLD-RW-65 | U-PVC pipes (working pressure 4 kg / cm ²) Rubber (Seal) Ring 200 mm dia. | each | 43.00 |
| 1194 | MA-BLD-SI-3 | Mild steel square bars | Kg | 48.00 |
| 1195 | MA-BLD-SI-4 | Mild steel U beading | RM | 15.00 |
| 1196 | MA-BLD-SI-5 | Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia. of wire 0.63 mm | Sqm | 164.00 |
| 1197 | MA-BLD-SI-6 | Rolling shutters of 80x1.00mm laths | Sqm | 2393.00 |
| 1198 | MA-BLD-SI-7 | Top cover of Rolling shutters 1.0 mm thick | Rm | 285.00 |
| 1199 | MA-BLD-SI-8 | 27.5 cm long wire spring grade no 2 for rolling shutters | No. | 440.00 |
| 1200 | MA-BLD-SI-9 | Ball bearing for rolling shutters | No. | 226.00 |
| 1201 | MA-BLD-SI-10 | 8mm dia. Grill for rolling shutters | Sqm | 1200.00 |
| 1202 | MA-BLD-SI-11 | Extra for mechanical devices chain and cranked operation for operating rolling shutters : exceeding 10.00 sqm and up to 16.80 sqm area of door | Sqm | 666.00 |
| 1203 | MA-BLD-SI-12 | Electrically operated (motorized) system with switchand cable for rolling shutter: exceeding 16.80 sqm area of door | Sqm | 1940.00 |
| 1204 | MA-BLD-SI-13 | Steel glazed door, standard window/ ventilator, all members viz. F7D, F4B, K11 and K12B etc. | kg | 47.00 |
| 1205 | MA-BLD-SI-14 | Steel glazed door, top hung window/ ventilator, all members viz. F7D, F4B, K11 and K12B etc. | kg | 49.00 |
| 1206 | MA-BLD-SI-15 | Steel glazed door, centrally pivotedcentrally pivoted, all members viz. F7D, F4B, K11 and K12B etc. | kg | 52.00 |
| 1207 | MA-BLD-SI-16 | Pulley 40 mm dia | No. | 57.00 |
| 1208 | MA-BLD-SS-1 | Mild steel tubes hot finished welded type | Kg | 53.00 |
| 1209 | MA-BLD-SS-6 | C / channels | Kg | 59.00 |
| 1210 | MA-BLD-SS-7 | Heavy beams / Heavy channels | Kg | 52.00 |
| 1211 | MA-BLD-SS-8 | Plates / flats | Kg | 53.00 |
| 1212 | MA-BLD-SS-9 | Chequered plates | Kg | 56.00 |
| 1213 | MA-BLD-SS-10 | Cold formed Channels/Z sections | Kg | 49.00 |
| 1214 | MA-BLD-SS-11 | Hollow Pipe or Box sections of TATA Structura | Kg | 51.00 |
| 1215 | MA-BLD-SS-12 | G.I. Pipes- B Class | Kg | 69.00 |
| 1216 | MA-BLD-SS-13 | C.I. material for railing | Kg | 79.00 |
| 1217 | MA-BLD-SS-14 | MS bolts / nuts / washers | Kg | 91.00 |
| 1218 | MA-BLD-SS-15 | Oxygen gas | Cum | 142.00 |
| 1219 | MA-BLD-SS-16 | Acetyline gas | Cum | 502.00 |
| 1220 | MA-BLD-SS-17 | 6mm dia Welding electrodes | Nos | 12.00 |
| 1221 | MA-BLD-SS-18 | Epoxy red oxide zinc phosphate primer | Ltr | 233.00 |
| 1222 | MA-BLD-SS-19 | Epoxy CR Enamel paint in two coats | Ltr | 240.00 |
| 1223 | MA-BLD-SS-20 | Welding by electric plant | cm | 2.00 |
| 1224 | MA-BLD-SS-21 | Grease | Kg | 117.00 |
| 1225 | MA-BLD-SS-22 | Cotton waste | Kg | 82.00 |
| 1226 | MA-BLD-SS-23 | Concrete Pole in CC 1:1.5:3, for fencing vertical member, 2.05m long, 100mm Sq at Top & 125mm Sq at Bottom. | Rmt | 173.00 |
| 1227 | MA-BLD-SS-24 | Concrete Pole in CC 1:1.5:3, for fencing diagonal support member, 2.43m long, 100mm Sq uniform. | Rmt | 221.00 |



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| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|
| 1228 | MA-BLD-SS-25 | jungle wood ballies of 100 – 125 mm diameter, 2.05m long | Rmt | 102.00 |
| 1229 | MA-BLD-SS-26 | Barbed wire (14 SWG, 2 ply & 4 points @ 75mm c/c) | Rmt | 7.00 |
| 1230 | MA-BLD-SS-27 | G.I. chainlink fabric of 10 guage, mesh size 50 x 50mm | Sqm | 89.00 |
| 1231 | MA-BLD-SS-28 | 750mm dia. concentrina wire bundle of openable length =10m | Bundle | 772.00 |
| 1232 | MA-BLD-SS-29 | PVC railing top | Rmt | 173.00 |
| 1233 | MA-BLD-SS-30 | Mechanical anchor fastner M8 x 115 (Hilti or equivalent) | Nos | 14.00 |
| 1234 | MA-BLD-SS-31 | Mechanical anchor fastner M10 x 110 (Hilti or equivalent) | Nos | 17.00 |
| 1235 | MA-BLD-SS-32 | Mechanical anchor fastner M12 x 115 (Hilti or equivalent) | Nos | 19.00 |
| 1236 | MA-BLD-SS-33 | Mechanical anchor fastner M16 x 140 (Hilti or equivalent) | Nos | 23.00 |
| 1237 | MA-BLD-SS-34 | Chemical anchor fastener M10 x 90 foil capsule (HVU) & M10 x 130 Rod (Hilti make or equivalent) | Nos | 132.00 |
| 1238 | MA-BLD-SS-35 | Chemical anchor fastener M12 x 110 foil capsule (HVU) & M12 x 160 Rod (Hilti make or equivalent) | Nos | 211.00 |
| 1239 | MA-BLD-SS-36 | Chemical anchor fastener M16 x 125 foil capsule (HVU) & M16 x 190 Rod (Hilti make or equivalent) | Nos | 290.00 |
| 1240 | MA-BLD-SS-37 | Chemical anchor fastener M20 x 170 foil capsule (HVU) & M20 x 240 Rod (Hilti make or equivalent) | Nos | 408.00 |
| 1241 | MA-BLD-SS-38 | Chemical anchor fastener M24 x 210 foil capsule (HVU) & M24 x 290 Rod (Hilti make or equivalent) | Nos | 487.00 |
| 1242 | MA-BLD-SS-39 | G.I. wiremesh of 10 guage and opening size 25 x 25mm | Sqm | 108.00 |
| 1243 | MA-BLD-SS-40 | Stainless steel pipes | kg | 440.00 |
| 1244 | MA-BLD-SS-41 | Threading for Bolts (200mm per 10kg) | mm | 10.00 |
| 1245 | MA-BLD-SS-42 | M. S. black pipes of 75 mm. Dia 'B' class. | Rmt | 487.31 |
| 1246 | MA-BLD-SS-43 | M. S. black pipes of 50 mm. Dia 'C' class. | Rmt | 385.47 |
| 1247 | MA-BLD-SS-44 | M. S. black pipes of 75 mm. Dia 'C' class. | Rmt | 576.64 |
| 1248 | MA-BLD-SS-45 | M. S. black pipes of 150 mm. Dia 'B' class. | Rmt | 1199.52 |
| 1249 | MA-BLD-SS-46 | M. S. black pipes of 150 mm. Dia 'C' class. | Rmt | 1324.47 |
| 1250 | MA-BLD-SS-47 | base plate & cap plate 6 mm. thick foundation bolts, nuts with red oxide and three coats ofsynthetic enamel paint, etc. | Kg | 57.00 |
| 1251 | MA-BLD-SS-48 | Material, fabrication and fixing cost for GI corrugated sheet door of size 0.76 m. x 1.9 m. with G. I. sheet shutter of 22 gauge and G. I. sheet box frame of 18 guage | Each | 2093.00 |
| 1252 | MA-BLD-SS-49 | GI sheet 1.0mm thick | Sqm | 784.00 |
| 1253 | MA-BLD-SS-50 | GI sheet 1.2mm thick | Sqm | 980.00 |
| 1254 | MA-BLD-SS-51 | GI sheet 1.6mm thick | Sqm | 1134.00 |
| 1255 | MA-BLD-SS-52 | Providing and fabricating structural steel work in road sections | MT | 16225.00 |
| 1256 | MA-BLD-SS-53 | Providing, galvanising to structural steel welded sections at 610 gm/Sqm | MT | 1.50 |
| 1257 | MA-BLD-SS-54 | Stainless steel anchor fastener bolts M10 X 150 mm | No. | 252.00 |
| 1258 | MA-BLD-WP-2 | crystalline waterproofing chemical | Sqm | 499.00 |
| 1259 | MA-BLD-WP-3 | membrane waterproofing treatment | Sqm | 1770.00 |
| 1260 | MA-BLD-WP-4 | roof insulation 75mm thk. (48 Kg Density) | Sqm | 300.00 |
| 1261 | MA-BLD-WP-5 | roof insulation 110mm thk. (48 Kg Density) | Sqm | 375.00 |
| 1262 | MA-BLD-WP-6 | geotextile mat (300 GSM) | Sqm | 74.00 |
| 1263 | MA-BLD-WP-7 | Brick Aggregate (Single size) : 63 mm nominal size | Cum | 1969.00 |



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| Sr.No. | Material Code | Common Items | Unit | Rate |
|--------|---------------|--------------------------------------------------------------------------------------------|----------|----------|
| 1264 | MA-BLD-WP-8 | Bitumen solution primer of approved quality | litre | 163.00 |
| 1265 | MA-BLD-WP-9 | Bitumen felt fibre base (vegetable or animal):Type 2 grade 1 | sqm | 80.00 |
| 1266 | MA-BLD-WP-10 | Bitumen felt :Type 3 grade 1 | sqm | 70.00 |
| 1267 | MA-BLD-WP-11 | Coal (steam) | quintal | 2757.00 |
| 1268 | MA-BLD-WP-12 | Water proofing materials | kilogram | 35.00 |
| 1269 | MA-BLD-WP-13 | Commercial LPG in cylinder. | kg | 142.00 |
| 1270 | MA-BLD-WP-14 | Polyvinyl chloride sheet 400 micron thick | sqm | 339.00 |
| 1271 | MA-BLD-WP-15 | Fibre glass tissue reinforcement Type II Grade I | sqm | 73.00 |
| 1272 | MA-BLD-WP-16 | Water stops Serrated with central bulb (225 mm wide, 8-11 mm thick) | metre | 474.00 |
| 1273 | MA-BLD-WP-17 | Water stops Dumb bell with central bulb | metre | 812.00 |
| 1274 | MA-BLD-WP-18 | Kickers | metre | 754.00 |
| 1275 | MA-BLD-WP-19 | A.P.P. modified polymeric felt (two layers) 1.5 mm thick | sqm | 88.00 |
| 1276 | MA-BLD-WP-20 | A.P.P. modified polymeric felt (two layers) 2 mm thick | sqm | 104.00 |
| 1277 | MA-BLD-WP-21 | A.P.P. modified 2 mm thick membrane reinforced with glass fibre matt | sqm | 104.00 |
| 1278 | MA-BLD-WP-22 | A.P.P. modified 3 mm thick membrane reinforced with glass fibre matt | sqm | 145.00 |
| 1279 | MA-BLD-WP-23 | A.P.P. modified 3 mm thick membrane reinforced with polyester matt | sqm | 158.00 |
| 1280 | MA-BLD-WP-24 | Bitumen primer for bitumen membrane | litre | 163.00 |
| 1281 | MA-BLD-WP-25 | Geotextile 120 gsm membrane | sqm | 69.00 |
| 1282 | MA-BLD-WP-26 | Polymer modified cementation coating | kilogram | 135.00 |
| 1283 | MA-BLD-WP-27 | Fibre glass cloth (Plain 110 GSM) Style 110 | sqm | 85.00 |
| 1284 | MA-BLD-WP-28 | Waterproofing with AAC bats | cum | 14750.00 |
| 1285 | MA-BLD-WP-29 | China mosaic | kilog | 10.00 |
| 1286 | MA-BLD-WP-30 | ROUGH SHAHABAD 12-18 mm | sqm | 258.34 |
| 1287 | MA-BLD-WP-31 | BITUMEN FILLER 25MM WIDE SLAB AREA | sqm | 148.00 |
| 1288 | MA-BLD-WP-32 | Broken china mosaic pieces | MT | 380.00 |
| 1289 | MA-BLD-WP-33 | BITUMEN 20/30 PENETRATION | MT | 48675.00 |
| 1290 | MA-BLD-WP-34 | ROUGH SHAHABAD 20-25 mm | sqm | 275.00 |
| 1291 | MA-BLD-WP-35 | BROKEN MARBLE MOSAIC | MT | 2950.00 |
| 1292 | MA-BLD-WW-01 | Second class teak wood in scantling | Cum | 36894.00 |
| 1293 | MA-BLD-WW-02 | Second class teak wood in planks | Cum | 39894.00 |
| 1294 | MA-BLD-WW-03 | Flat pressed 3 layer and graded particle board (medium density) Grade 1 conforming to IS : | Sqm | 247.00 |
| 1295 | MA-BLD-WW-04 | Silver, pine or oak wood | Cum | 22336.00 |
| 1296 | MA-BLD-WW-05 | Ply wood 5 ply with commercial ply on both faces 6 mm thick | Sqm | 210.00 |
| 1297 | MA-BLD-WW-07 | 9 mm thk. (5 ply) commercial ply of superior quality | Sqm | 472.97 |
| 1298 | MA-BLD-WW-08 | 12 mm thk. (5 ply) commercial ply of superior quality | Sqm | 432.00 |
| 1299 | MA-BLD-WW-09 | 12 mm thk. (5 ply) marine ply conforming to IS 1328 BWP grade | Sqm | 656.00 |
| 1300 | MA-BLD-WW-10 | Veneer board 3mm thk. | Sqm | 542.00 |
| 1301 | MA-BLD-WW-11 | Veneer board 4mm thk. | Sqm | 579.00 |
| 1302 | MA-BLD-WW-12 | Ply wood 5 ply with commercial ply on both faces 9 mm thick | Sqm | 325.00 |
| 1303 | MA-BLD-WW-13 | 25mm thk. Phenol Bonded solid core commercial flush door shutters | sqm | 645.00 |
| 1304 | MA-BLD-WW-14 | 30mm thk. Phenol Bonded solid core commercial flush door shutters | sqm | 723.00 |
| 1305 | MA-BLD-WW-15 | 35mm thk. Phenol Bonded solid core commercial flush door shutters | sqm | 883.00 |



List

| Sr.No | Material Code | Common Items | Unit | Rate |
|-------|---------------|-----------------------------------------------------------------------------|------|---------|
| 1306 | MA-BLD-WW-16 | 40mm thk. Phenol Bonded solid core commercial flush door shutters | sqm | 1006.00 |
| 1307 | MA-BLD-WW-17 | 25mm thk. B.W.P. grade solid core flush door shutters conforming to IS 2202 | sqm | 858.00 |
| 1308 | MA-BLD-WW-18 | 30mm thk. B.W.P. grade solid core flush door shutters conforming to IS 2202 | sqm | 1166.00 |
| 1309 | MA-BLD-WW-19 | 35mm thk. B.W.P. grade solid core flush door shutters conforming to IS 2202 | sqm | 1226.00 |
| 1310 | MA-BLD-WW-20 | 40mm thk. B.W.P. grade solid core flush door shutters conforming to IS 2202 | sqm | 1460.00 |
| 1311 | MA-BLD-WW-21 | Teak wood lipping | Rm | 13.00 |
| 1312 | MA-BLD-WW-22 | T.W. Decorative moulding of size 38 x12mm | Rm | 97.00 |
| 1313 | MA-BLD-WW-23 | T.W. Decorative moulding of size 38 x20mm | Rm | 108.00 |





Chapter -24 Material List



Buildings Schedule/Common Schedule 2023
Material list

| Sr. No | Category | Product | Brand Name if any | Manufacturer's Name |
|--------|----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------|
| 1 | Cement | OPC 53 Grade & PPC | SANGHI | M/s. Sanghi Cement Limited, |
| | | OPC 53 Grade & PPC | HATHI | M/s. Saurashtra Cement Limited, |
| | | OPC 43, 53 Grade & PPC | PERFORMATE, OPTIMATE & DURAMATE | M/s. Kalburgi Cement Private Limited. |
| | | OPC 53 Grade & | PSC & CONCREEL HD | M/s. JSW Cement Limited, |
| | | OPC 53 & PPC | SHREE CEMENT -ROOFON & JUNGRODHAK | M/s. Shree Cement Ltd, |
| | | Ground Granulated Blast Furnace Slag | JSW | M/s. JSW Cement Limited, |
| | | White Cement, Putty & Others | J K MAXX | M/s. J. K. White Cement Works |
| 2 | Reinforcement Protection coating | Epoxy Reinforcement Bars | EPOXY SHIELD | M/s. Hariom Ingots & Power Pvt. Ltd., |
| | | Epoxy Reinforcement Bars | | M/s. Eurocoustic Products Ltd. FBEC Divn, |
| 3 | Reinforcement Bars | TMT bars of Grade (Fe415, Fe500, Fe500D) | SURYA TMX | M/s Surya Ferrous Alloys Private Ltd. |
| | | TMT bars of Grade (Fe415, to Fe550D) | SUN TMX QST & MORIYA | M/s. Jaideep Metallics & Alloys Pvt. Ltd., |
| | | TMT (Fe415 to Fe550D), FBE Coated Bars & CRS (Fe415 to Fe550D) | ELECTRO TMT PLUS, ELECTROCRS GOLD | M/s. Electrotherm India Ltd., |
| | | TMT bars of Grade (Fe415, to Fe 550D) | GUARDIAN | M/s. Guardian Castings Pvt. Ltd. |
| | | CRS Grade bars (Fe 500 & Fe 500D) | GUARDIAN | M/s. Guardian Castings Pvt. Ltd. |
| | | TMT bars of Grade (Fe 500, Fe 500D & Fe 550D) | BHAGWATI | M/s. Bhagwati Steel Cast Pvt. Ltd., |
| | | TMT bars of Grade Fe 500, Fe 500D, Fe550, Fe 550D & Fe 600 | BHAGWATI | M/s. Bhagwati Ferro Metal Pvt. Ltd., |
| | | TMT bars of Grade (Fe 500, Fe 500D & Fe 550D) | REGENCY | M/s. Regency Ispat Pvt. Ltd., |
| | | TMT bars of Grade (415 to Fe 550D) | THANE | M/s. Thane Steel Limited, |
| | | TMT (Fe415 to Fe550D), FBE Coated bars (Fe500 to Fe600) & FBE Coating to TMT bars | CAPTAIN | M/s. Captain Steel India Limited, |



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Material list

| Sr. No | Category | Product | Brand Name if any | Manufacturer's Name |
|--------|----------------------------|---------------------------------------------------------------------|-------------------|----------------------------------------------|
| | | Non Corrosive SS Rebar of grade SSR 550 | SUNFLAG | M/s. Sunflag Iron & Steel Co.Ltd. |
| | | TMT bars of Grade Fe (415 to Fe 500D) | METRO | M/s. Metro Ispat Pvt. Ltd., |
| | | TMT bars of Grade Fe500, Fe500D, Fe550 & Fe550D | KALIKA | M/s. Kalika Steel Alloys Pvt.Ltd., |
| | | TMT bars of Grade Fe500, Fe500D, Fe550 & Fe550D | KHATU | M/s. Shri Khatu Shyam Alloys Pvt. Ltd., |
| 4 | Tiles | Ceramic & Vitrified Tiles | DAKSHINAMURTI | M/s Akash Ceramic Pvt. Ltd. |
| | | Ceramic & Vitrified Tiles | AMBANI | M/s. Ambani Vitrified Pvt. Ltd., |
| | | Ceramic & Vitrified Tiles | VARMORA | M/s. Varmora Granito Pvt. Ltd., |
| | | Ceramic & Vitrified Tiles | ORIENT BELL | M/s. Orient Bell Ltd., |
| | | Ceramic & Vitrified Tiles | RAK | M/s. RAK Ceramics India Pvt. Ltd., |
| | | Ceramic & Vitrified Tiles | CREANZA | M/s. Commander Vitrified Pvt. Ltd., |
| | | Ceramic & Vitrified Tiles | ZEALTOP | M/s. Zealtop Granito Pvt. Ltd., |
| | | Ceramic & Vitrified Tiles | PRIYAM GRANTILE | M/s. Solvish Ceramic LLP |
| | | Ceramic & Vitrified Tiles | SOMANY | M/s. Somany Ceramics Limited, |
| | | Ceramic & Vitrified Tiles | AGL | M/s. Asian Granito India Ltd., |
| | | Ceramic & Vitrified Tiles | OASIS | M/s. Oasis Vitrified Pvt. Ltd. |
| 5 | Sanitary ware | Water Closet /Basin/Urinal Cistern | RAK | M/s. RAK Ceramics India Pvt. Ltd., |
| | | Water Closet /Basin/Urinal Cistern (IS 2556:2004) | PRIYAM GRANTILE | M/s. Solvish Ceramic LLP |
| 6 | Cast Iron Pipes & Fittings | CI Pipes | RPMF | M/s. Raj Pattern Makers & Founders Pvt. Ltd. |
| 7 | RCC pipes | NP3 & NP4 class (450 mm -1800 mm) | ACPPL | M/s Aadit Concrete Products Pvt. Ltd. |
| | | NP3 & NP4 class (400 mm -1800 mm) | POONA CONCRETE | M/s. The Poona Concrete Products Co. |
| | | 1) NP2 class (150 mm -300 mm) 2) NP3 & NP4 class (150 mm - 1800 mm) | PRANALI | M/s Pranali Cement Pipes Pvt. Ltd, |



| Sr. No | Category | Product | Brand Name if any | Manufacturer's Name |
|--------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------|
| | | 1) NP2 class (100 mm - 600 mm) 2) NP3 & NP4 class (150 mm - 1200 mm) | SAGAR SPUN PIPE | M/s. Sagar Spun Pipes, |
| | | NP2 & NP3 class (150 mm -1800 mm) | PAWAN | M/s. Pawan Concrete, |
| | | NP3 & NP4 class (300 mm - 1800 mm) | SPPPL | M/s. Siddhivinayak Precast Pipes Pvt. Ltd, |
| 8 | Single Stack System | HDPE Single stack system | GEBERIT | Geberit Plumbing Technology India Pvt. Ltd. |
| 9 | Pipes | (i) CPVC pipes and CPVC fitting (ii) UPVC SWR Pipes & Fittings (iii) Potables water supply Pipes (iv) uPVC pipes | TRUFLO BY HINDWAR E | M/s. HSIL Limited, |
| | | UPVC SWR Pipes & Fittings | BIRLA AEROCON | M/s. HIL Limited, |
| | | PPR Pipes & Fittings for Hot & Cold water supply) | KPT GREEN THERM | M/s. Kanha Plastics Pvt. Ltd., |
| | | DWC Pipes & Fittings | D-REX | M/s. Astral Poly Technik Limited |
| | | (i) Low Noise SWR Pipes(ii) Underground Drainage Pipes (iii) PE Inspection chambers (iv) Conduit Pipes | SILENCIO/ DRAINPRO, FOAMCORE, DRAINHULK, WIREGUARD, ULTRAFIT, FLOWGUARD PLUS, AQUAFIT FOAMFIT | M/s. Astral Poly Technik Limited, |
| | | i) SWR Pipes ii) UPVC injection moldings fittings iii) CPVC pipes and CPVC fitting iv) UPVC Pipes v) Underground Drainage Pipes vi) UPVC Pipe for potable water | | M/s. Prince pipes & Fittings Pvt. Ltd, |
| | | i) UPVC SWR Pipes & fittingsii)CPVC pipes and CPVC fittingiv) UPVC Pipes v) UPVC Pipe for potable water | PARAS | M/s. Bothara Agro Equipments Pvt. Ltd. |



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Material list

| Sr. No | Category | Product | Brand Name if any | Manufacturer's Name |
|--------|------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | i) UPVC SWR Pipes & fittings ii) CPVC pipes and CPVC fitting iii) UPVC Pipes & Fittings | FLOWKEM | M/s. Flowkem Poly Plast Pvt. Ltd. |
| | | PPR Pipes | GREENFIT | M/s. Prince pipes & Fittings Pvt. Ltd, |
| | | DWC Pipes | CORFIT | M/s. Prince pipes & Fittings Pvt. Ltd, |
| 10 | Polyethylene tank | Water Storage Tank | STOREFIT | M/s. Prince pipes & Fittings Pvt. Ltd, |
| 11 | Construction Chemicals | ADMIXTURE | SUNANDA,CHRYSO, HIND, KRYTON, SHREE PRIMIX, PERMA, BOXER, FAIRMATE, PAR, MCON | Krishna Conchem Pvt. Ltd., Sunanda Speciality Coatings Pvt. Ltd., M/s. Cico Technolgies Ltd., M/s. HindconChemicals Limited, M/s.Boxer Construction Chemicals, M/s. Chryso India Private Limited, M/s. Par Specialty Polymers Pvt. Ltd., M/s. Rheoplast Technology Pvt. Ltd., M/s. Fosroc Chemicals (India) Pvt. Ltd., M/S. Mcon Rasayan Pvt. Ltd. |
| | | WATERPROOFING | SUNANDA,CHRYSO, HIND, KRYTON, SHREE PRIMIX, PERMA, BOXER, FAIRMATE, PAR, MCON | Krishna Conchem Pvt. Ltd., Sunanda Speciality Coatings Pvt. Ltd., M/s. Cico Technolgies Ltd., M/s. HindconChemicals Limited, M/s. Kryton Buildmat Co. Pvt. Ltd., M/s. Shree Premix Industries, M/s. Chryso India Private Limited, M/s. Par Specialty Polymers Pvt. Ltd., M/s. Tiki Tar Danosa India Pvt. Ltd., M/s. Fosroc Chemicals (India) Pvt. Ltd., M/S. Mcon Rasayan Pvt. Ltd. |



Buildings Schedule/Common Schedule 2023
Material list

| Sr. No | Category | Product | Brand Name if any | Manufacturer's Name |
|--------|----------|-----------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | GROUT | | Krishna Conchem Pvt. Ltd., Sunanda Speciality Coatings Pvt. Ltd., M/s. Cico Technolgies Ltd., M/s. HindconChemicals Limited, M/s. Shree Premix Industries, M/s. ChrysoIndia Private Limited, M/s. Fair Mate Chemicals Pvt. Ltd., M/S. Mcon Rasayan Pvt. Ltd. |
| | | SEALANT | SUNANDA,CHRYSO, HIND, KRYTON, SHREE PRIMIX, PERMA, BOXER, FAIRMATE, PAR, MCON | Krishna Conchem Pvt. Ltd., Sunanda Speciality Coatings Pvt. Ltd., M/s. Hindcon Chemicals Limited, M/s. Chryso India Private Limited, M/s. Fair Mate Chemicals Pvt. Ltd., M/s. Tiki Tar Danosa India Pvt. Ltd., M/s. Fosroc Chemicals (India) Pvt. Ltd., M/S. Mcon Rasayan Pvt. Ltd. |
| | | CURING COMPOUND | SUNANDA,CHRYSO, HIND, KRYTON, SHREE PRIMIX, PERMA, BOXER, FAIRMATE, PAR, MCON | Krishna Conchem Pvt. Ltd., Sunanda Speciality Coatings Pvt. Ltd., M/s. Cico Technolgies Ltd., M/s. HindconChemicals Limited, M/s.Boxer Construction Chemicals, M/s. Chryso India Private Limited, M/S. Mcon Rasayan Pvt. Ltd. |
| | | REPAIR MORTAR | SUNANDA,CHRYSO, HIND, KRYTON, SHREE PRIMIX, PERMA, BOXER, FAIRMATE, PAR, MCON | Krishna Conchem Pvt. Ltd., Sunanda Speciality Coatings Pvt. Ltd., M/s. Cico Technolgies Ltd., M/s. HindconChemicals Limited, M/s. ShreePremix Industries, M/s. Fair Mate Chemicals Pvt. Ltd., M/s.Par Specialty Polymers Pvt. Ltd., M/s. Fosroc Chemicals (India) Pvt. Ltd., M/S. Mcon Rasayan Pvt. Ltd. |



Buildings Schedule/Common Schedule 2023
Material list

| Sr. No | Category | Product | Brand Name if any | Manufacturer's Name |
|--------|------------------------|---------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | BONDING AGENT | SUNANDA,CHRYSO, HIND, KRYTON, SHREE PRIMIX, PERMA, BOXER, FAIRMATE, PAR, MCON | Krishna Conchem Pvt. Ltd., Sunanda Speciality Coatings Pvt. Ltd., M/s. Cico Technolgies Ltd., M/s. Hindcon Chemicals Limited, M/s. Shree Premix Industries, M/S. Mcon Rasayan Pvt. Ltd. |
| | | ANTI-CORROSIVE COATING | SUNANDA,CHRYSO, HIND, KRYTON, SHREE PRIMIX, PERMA, BOXER, FAIRMATE, PAR, MCON | Krishna Conchem Pvt. Ltd., Sunanda Speciality Coatings Pvt. Ltd., M/s. Cico Technolgies Ltd., M/s. Hindcon Chemicals Limited, M/s. Boxer Construction Chemicals, M/s. Chryso India Private Limited, M/S. Mcon Rasayan Pvt. Ltd. |
| 12 | AAC Block | AAC Block | BIRLA AEROCON | M/s. HIL Limited, |
| | | AAC Block | MAGICRETE | M/s. Magicrete Building Solutions Pvt. Ltd. |
| 13 | Ready to use Mortar | Ready Mix Mortar & Block Jointing Mortar | MAGICRETE | M/s. Magicrete Building Solutions Pvt. Ltd. |
| | | Ready Mix Mortar & Block Jointing Mortar | SILICOPLAST & SILICOFLEX | M/s. Precise Conchem Pvt. Ltd., |
| | | Ready Mix Mortar & Block Jointing Mortar | KANERIA | M/s. Kaneria Plast Pvt. Ltd. |
| 14 | Paints | External and Internal Paints | PEARL/ COLORTEX/ KLASSIC/ UNO/ INSPIRA | M/s. Godavari paints Pvt. Ltd., |
| | | External and Internal Paints | SNOWCEM | M/s. Snowcem Paints Private Limited, |
| | | External and Internal Paints | | M/s. Advance Paints Pvt. Ltd. |
| | | External and Internal Paints | FAIRCOAT, FAIRTEX, FAIRSHINE, FAIRLOOK | M/s. Hindusthan Paints and products, |
| | | External Paints | -- | M/s. Dooall Corpro India Pvt. Ltd. |
| | | External and Internal Paints | -- | M/s. Excel India Protective Paints Pvt. Ltd. |
| | | External and Internal Paints | MCON | M/s. MCON RASAYAN PVT. LTD. |
| | | External and Internal Paints | -- | M/s. Zydex Industries Private Limited, |
| 15 | SFRC Cover with Frames | Manhole cover with frames and Grating with Frames | KK | M/s, K. K. Manhole & Grating Co. |



Buildings Schedule/Common Schedule 2023
Material list

| Sr. No | Category | Product | Brand Name if any | Manufacturer's Name |
|--------|---------------------------------------------|------------------------------------------------------------------------------------|-------------------|----------------------------------------------------|
| | | Manhole cover with frames and Grating with Frames | VIKRANT | M/s. Vikrant Reinforced Products |
| 16 | D.I. Covers with Frames | Ductile Iron Manhole covers with Frame and Gratings | PLASMA | M/s Plasma Alloys Pvt. Ltd. |
| | | Ductile Iron Manhole covers with Frame and Gratings | NEXUS | M/s. Nexus Cast |
| 17 | D. I. & C. I. Covers with Frames | Ductile iron & Cast Iron Manhole covers with Frame and Gratings | RPMF | M/s. Raj Pattern Makers & Founders Pvt. Ltd. |
| 18 | FRP Door Shutter & Frame | FRP Door Shutter & Frame | SANCOM | M/s. Sancom Composites LLP |
| | | FRP Door Shutter & Frame | PERMAFINISH | M/s. Advance FRP, |
| 19 | Door Shutter & Frame, Plywood, Block Board, | Flush, Panel, Fire retardant Wooden Doors, Plywood, Block board, Laminates, Veneer | KALPTARU | M/s. V. K. Patel & Co., |
| | | Flush wooden Doors, Plywood, Block board, | REGENCY | M/s Regal Plywood Industries (P) Ltd. |
| 20 | Furniture | Chair, Table & Cupboard | ADARSH | M/s. Adarsh Infrainterio Pvt. Ltd., |
| 21 | Fire Door & Non Fire Door | Fire Door & Non Fire Door | HORMANN | M/s. Shakti Hormann Pvt. Ltd. |
| | | Wooden Fire Door & Non Fire Door | TUFWUD | M/s. Tufwud Doors and Accessories Private Limited, |
| | | Wooden & Metallic Fire Door & Non Fire Door | ROYAL AIRCON | M/s. Royal Aircon Pvt. Ltd., |
| 22 | Geosynthetic Fibre | Non Woven Geo Textile, Geo Grid, Membrane, Mats, Nets | JEEVAN | M/s. Jeevan Products, |
| 23 | Acoustic & other | Non woven acoustic & others acoustic product | INDOSONIC | M/s. Indecor Slides (I) Pvt. Ltd., |
| | | Non woven acoustic, Metals False ceiling & False ceiling grid | TECHNO | M/s. Techno Ceiling Products, |
| 24 | Carbon Fibre & Glass Fibre | Carbon Fiber, Glass Fiber & Carbon Laminate Strips | URJA | M/s. Urja Products Pvt. Ltd., |
| 25 | Vinyl Flooring | Vinyl | RESPONSIVE | M/s. Responsive Industries Limited, |
| 26 | Cladding | Aluminium Composite Cladding (ACP) | VIVA | M/s. Viva Composite Panel (P) Ltd. |



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Material list

| Sr. No | Category | Product | Brand Name if any | Manufacturer's Name |
|--------|----------------------|-----------------------------------------------------------------------------|-------------------|--------------------------------------------|
| | | Aluminium Composite Cladding (ACP) | ALUDECOR | M/s. Aludecor Lamination Pvt. Ltd., |
| | | Aluminium Composite Cladding (ACP) | EUROBOND | M/s. Euro Panel Products Pvt. Ltd., |
| | | Aluminium Composite Cladding (ACP) | SUPERBOND | M/s. Keybond Industries LLP, |
| | | Aluminium Composite Cladding (ACP), High Pressure laminate (HPL)& Laminates | VIRGO | M/s. Virgo Laminates Limited, |
| 27 | Precast RCC products | Precast RCC Drain, Box Culverts & Retaining wall | FUJI | M/s Fuji Silvertch Concrete Pvt. Ltd. |
| | | Manhole Covers, Precast RCC Drain | SUPER | M/S Super Cement Article |
| | | Precast RCC Drain, Box Culverts & Retaining wall | SPPPL | M/s. Siddhivinayak Precast Pipes Pvt. Ltd, |
| 28 | Glass | Float, Mirror, | GOLD PLUS | M/s. Gold Plus Glass Industry Limited, |
| 29 | Others | Gypsum plaster/bond/ Wall putty/ False ceiling/Partition sections | WIP | M/s. Western InfrabuildProducts LLP |

