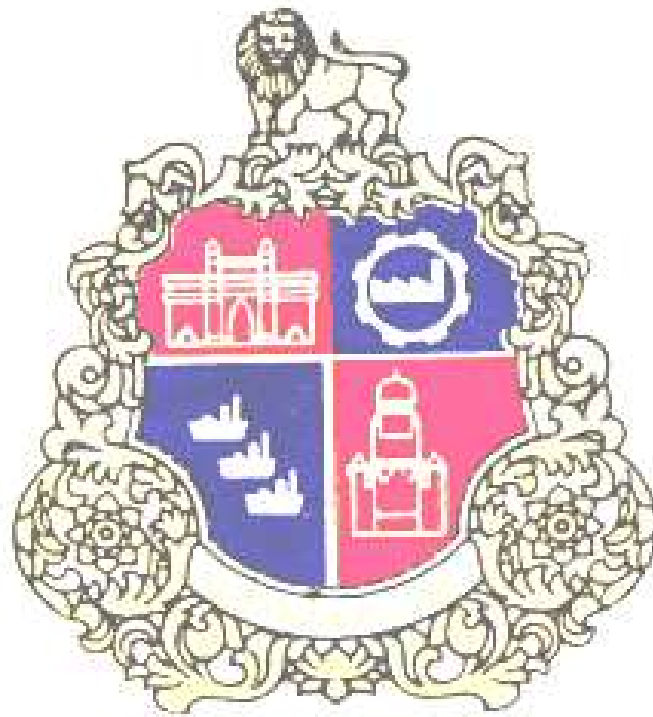


MUNICIPAL CORPORATION OF GREATER MUMBAI

GARDEN DEPARTMENT



VOLUME-I

**UNIFIED SCHEDULE OF RATES FOR
HORTICULTURE AND GARDEN WORKS**

2013

FOREWORDING NOTE

Ever since establishment of Bombay Municipal Corporation (now Municipal Corporation Of Greater Mumbai) in 1888 by the erstwhile British rulers in India , in the last 125 years of the history of its existence MCGM 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, KEM 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.

MCGM 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, MCGM 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 MCGM. 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 9 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.

In view of the enormous and voluminous nature of work, keeping time frame in perspective and above all, to ensure professionalism, the work of preparation of Unified Schedule of Rates (USR) was awarded to the eminent consultants M/s.Tata Consulting Engineers Ltd. M/s.Tata Consulting Engineers Ltd were directed to conduct a integrated factual market research for major materials from stockists/manufacturers/dealers and to study schedules of rates of Govt bodies like C.P.W.D., P.W.D. etc The new Rate Analysis are based on Factual Market research done by M/s.Tata Consulting Engineers Ltd.

The anomalies in rate are minimized after extensive market research and collection of quotations from reputed large scale stockists/dealers, and also after comparison with rates of CPWD, PWD etc.

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 (SOPs) 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 12500 items, every item is now given a Unique Code No. which will eliminate the repetition.

It has been our endeavor 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. The MCGM will be now be in a position to revise the Unified Scheduled of Rates every year, after incumbency period of M/s.Tata Consulting Engineers Ltd of one year, to work with and correct the system as and when necessary.

I am sure that this 'Unified Scheduled of Rates' will be a milestone in civic governance by MCGM. This publication shall be of great help and guidance to the officers engaged in the project work of MCGM.

A.M.C. (Project)

Municipal Commissioner

GENERAL NOTES

A. COMMON GENERAL NOTES

1. The schedule of rates will be operative from 16-09-2013
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 2013 includes the existing items of FMA, FMB 2009, SIC and Fair items, with deletion of obsolete items, merger of similar items

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 MCGM 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. 6,000/ MT
 - ii. Mild Steel : Rs. 47,400/ MT
 - iii. HYSD Steel (Fe415) : Rs. 48,400/ MT
 - iv. T.M.T. (Fe500) : Rs. 49,400/ MT
 - v. Structural Steel : Rs. 53,400/ MT
14. Rates given in SOR are for estimation purpose.
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 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.

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:

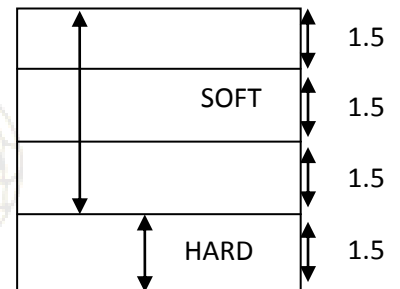
Assumed dimension 1 meter x 1 meter x 6 meter

Upto 4.5 meter depth, amount shall be calculated as:

- (1x1x4.5) Cu.M x Rs. 220 (Item no. CS-EW-1) +
 (1x1x1.5) Cu.M x Rs. 48 (Item no. CS-EW-2-a) +
 (1x1x1.5) Cu.M x Rs. 71 (Item no. CS-EW-2-b)

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

- (1x1x1.5) Cu.M x Rs. 873 (Item no. CS-EW-4) +
 (1x1x1.5) Cu.M x Rs. 220 (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 H.E. 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 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 GARDEN 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) For plastering and mortar work, river sand has been considered.
- 5) For plastering work all the rates are for all heights and levels and architectural decorative surface.
- 6) All external plaster items are including waterproofing compound except plastering item for structures like compound wall, masonry pedestals, pillars, etc.
- 7) Rates of all the items in roofing work are inclusive of staging or scaffolding for any height.
- 8) Rates considered in concrete items are including pumping of concrete upto placing point.
- 9) For heritage works the rate includes the statutory charges for heritage committee and conservation architect and no extra payment will be made.

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, Gardens, Parks, Chowkies, Libraries, Staff quarters and residential colonies, Public Toilets and Water tanks.
- ii. Three Star ***- Super specialty Hospitals, Drama Theatres, MCGM 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.

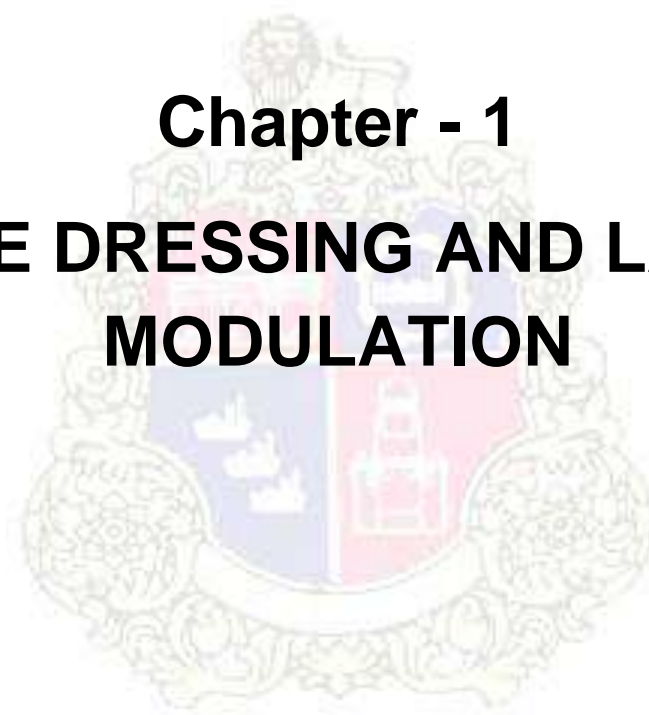
**MUNICIPAL CORPORATION OF GREATER
MUMBAI**

VOLUME-I

Garden Department Unified Schedule of Rates

Sr. No.	Content	ITEM CODE	PAGE NO.
1	Site Dressing and Land Modulation	GW-1	1-2
2	Softscape Works and Plantation	GW- 2	3-5
3	Hardscape Works and Garden Furniture	GW- 3	6-7
4	Garden Equipments and Accessories	GW- 4	8-11
5	Annexure	GW- 5	12-18
6	Labour Rates	-	19

Chapter - 1
SITE DRESSING AND LAND
MODULATION



GW Schedule Section 1

ITEM CODE	ITEM DESCRIPTION	UNIT	Rate	Remark
GW 1	<u>Site Dressing and Land Modulation</u>			
GW 1-1	<u>Excavation for Lawn</u>			
a	<u>Excavation for raising Lawn on Soft surface:</u> Excavating the ground to the depth of 30 cm removing excavated material from the site.	SqM	61	
b	<u>Excavation for raising Lawn on Hard surface:</u> Excavating the ground to the depth of 30 cm removing excavated material from the site.	SqM	89	
GW 1-2	<u>Excavation for Shrubs</u>			
a	<u>Excavation for planting Shrubs on Soft surface (Individual):</u> Excavating the ground for planting individual shrub in the earth / murum / sand for a pit size of 0.60 m X 0.60 m X 0.60 m	SqM	121	
b	<u>Excavation for planting Shrubs on Hard surface (Individual):</u> Excavating the ground for planting individual shrub in the Concrete/ masonry/ asphalt/ hard rock for a pit size of 0.60 m X 0.60 m X 0.60 m	SqM	178	
c	<u>Excavation for preparing Shrubbery on Soft surface:</u> Excavating the ground for preparing Shrubbery in the earth / murum/ sand for a depth of 0.60 m	SqM	121	
d	<u>Excavation for preparing Shrubbery on Hard surface:</u> Excavating the ground for preparing Shrubbery in the Concrete/ masonry/ asphalt/ hard rock for a depth of 0.60	SqM	178	
GW 1-3	<u>Excavation for Creepers/Climbers</u>			
a	<u>Excavation for planting Creepers/Climbers on Soft surface:</u> Excavating the ground to the depth of 30 cm removing excavated material from the site.	CuM	61	
b	<u>Excavation for planting Creepers/Climbers on Hard surface:</u> Excavating the ground to the depth of 30 cm removing excavated material from the site.	CuM	89	
GW 1-4	<u>Excavation for Hedges/ Edges/ Flower Beds</u>			
a	<u>Excavation for planting Hedges/ Edges/ Flower Beds on Soft surface:</u> Excavating the ground to the depth of 30 cm removing excavated material from the site.	SqM	61	
b	<u>Excavation for planting Hedges/ Edges/ Flower Beds on Hard surface:</u> Excavating the ground to the depth of 30 cm removing excavated material from the site.	SqM	89	
GW 1-5	<u>Excavation for Trees</u>			
a	<u>Excavation for planting Trees on Soft surface (Individual):</u> Excavating the ground for planting individual Tree (sapling ht. 4'-5' at the time of plantation) in the earth / murum / sand for a pit size of 1.0 m X 1.0 m X 1.0 m	No.s	202	
b	<u>Excavation for planting Trees on Hard surface (Individual):</u> Excavating the ground for planting individual Tree (sapling ht. 4'-5' at the time of plantation) in the Concrete/ masonry/ asphalt/ hard rock for a pit size of 1.0 m X 1.0 m X 1.0 m	No.s	296	
c	<u>Excavation for planting Trees on Soft surface (Afforestation):</u> Excavating the ground for planting individual Tree (sapling ht. 9"-12" at the time of plantation) in the earth / murum / sand for a pit size of 0.60 m X 0.60 m X 0.60 m	No.s	121	
d	<u>Excavation for planting Trees on Hard surface (Afforestation):</u> Excavating the ground for planting individual Tree (sapling ht. 9"-12" at the time of plantation) in the Concrete/ masonry/ asphalt/ hard rock for a pit size of 0.60 m X 0.60 m X 0.60 m	No.s	178	

GW 1-6	<u>Excavation for Trees (Transplantation)</u>			
a	<u>Excavation for Transplanting Trees on Soft surface:</u> Excavating the ground in the earth / murum / sand for transplanting the tree to the desired location, with required machinery. Tree to be lifted with roots & replaced in fresh soil. Making trench at suitable distance away from the stem based on age of the plant in a circular fashion to a sufficient depth to remove the ball of earth & applying fungicide on cut portion.			
	Tree Girth upto 0.15 M	No.s	307	
	Tree Girth upto 0.3 M	No.s	337	
	Tree Girth upto 0.6 M or more	No.s	721	
	<u>Excavation for Transplanting Trees on Hard surface:</u> Excavating the ground in the Concrete/ masonry/ asphalt/ hard rock for transplanting the tree to the desired location, with required machinery. Tree to be lifted with roots & replaced in fresh soil. Making trench at suitable distance away from the stem based on age of the plant in a circular fashion to a sufficient depth to remove the ball of earth & applying fungicide on cut portion.			
	Tree Girth upto 0.15 M	No.s	349	
	Tree Girth upto 0.3 M	No.s	394	
	Tree Girth upto 0.6 M or more	No.s	815	
b	<u>Excavation for planting Transplanted Trees:</u> Excavating the ground for planting individual Tree (Transplanted tree) in the area demarketed making trench based on age of the plant.	No.s	202	
GW 1-7	<u>Soil Restoration (Excavation and Storage)</u>			
	Existing Topsoil to be excavated for restoration to a depth of 200 mm (not more than 400 mm) and separated from subsoil debris and stones larger than 50 mm diameter to be stockpiled to a height of 400 mm in designated area. Stockpiled topsoil to be protected from erosion during storage by installing earthen berms/solid walls/temporary grass plantation/covering with mulch/ plastic sheets. Stockpiled topsoil to be protected with sand bags/solid walled enclosures (2 feet high) on all sides for containment. Appropriate drainage channels to be dug around the storage area to prevent flooding of the top soil storage area as instructed by engineer incharge.	SqM	83	

Chapter - 2

SOFTSCAPE WORKS



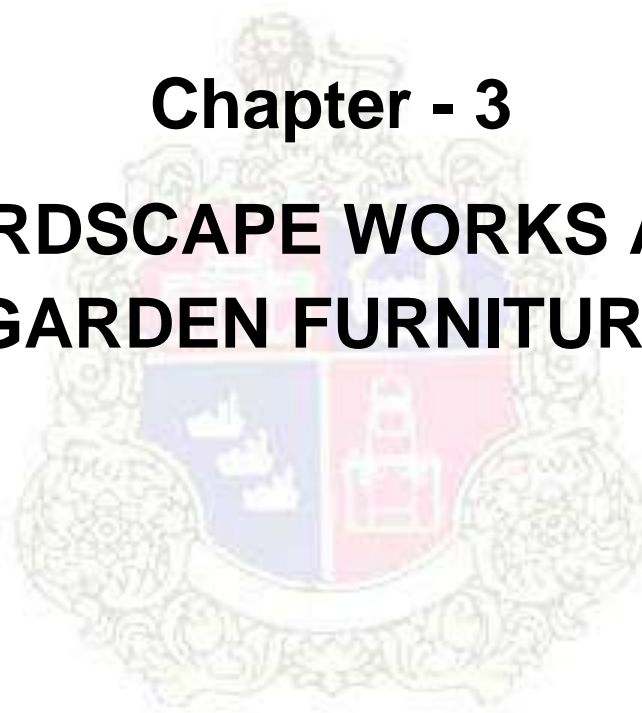
GW Schedule Section 2

ITEM CODE	ITEM DESCRIPTION	UNIT	Rate	Remark
GW 2	<u>Softscape Works and Plantation</u>			
GW 2-1	<u>Plantation: Lawn</u>			
a	<u>Planting Lawn on Soft/Hard surface:</u> Providing and filling Red Hill Earth & Cow Dung Manure mixing in 2:1 proportion, watering to the depth of 1" three times, weeding after every watering before plantation of the grass, leveling, rolling after proper compaction, planting of good quality lawn suckers by dibbling method in staggered fashion at specified intervals including transport & unloading. Watering and proper mowing etc. maintaining for 1 month after completion of plantation and replacement of casualties till 1 month.	SqM		
	Filling good garden soil mix with manure (Fine Dressing)	SqM	216	
	Leveling	SqM	16	
	Weeding	SqM	16	
	Maintenance	SqM	15	
	Planting Shrubs (Labour, transport and unloading) (Excluding cost of plant)	SqM	50	
	Total	SqM	313	
	Planting <u>Doob grass</u> at 50mm c/c	SqM	25	
	Planting <u>Phosphalum Saint Agustin grass</u> at 50mm c/c	SqM	35	
	Planting <u>Jumping / Korian / Zoycia grass</u> at 25mm c/c	SqM	75	
	Planting carpet of <u>Jumping / Korian / Zoycia grass</u>	SqM	225	
b	<u>Planting Lawn by filling without excavation (Flat surface/Mound):</u> Providing and filling Red Hill Earth & Cow Dung Manure mixing in 2:1 proportion, watering to the depth of 1" three times, weeding after every watering before plantation of the grass, leveling, rolling after proper compaction, planting of good quality lawn suckers by dibbling method in staggered fashion at specified intervals including transport & unloading. Watering and proper mowing etc. maintaining for 1 month after completion of plantation and replacement of casualties till 1 month.	SqM		
	Filling good garden soil mix with manure (Fine Dressing)	SqM	216	
	Leveling	SqM	16	
	Weeding	SqM	16	
	Maintenance	SqM	15	
	Planting Shrubs (Labour,transport and unloading) (Excluding cost of plant)	SqM	50	
	Total	SqM	313	
	Planting <u>Doob grass</u> at 50mm c/c	SqM	25	
	Planting <u>Phosphalum Saint Agustin grass</u> at 50mm c/c	SqM	35	
	Planting <u>Jumping / Korian / Zoycia grass</u> at 25mm c/c	SqM	75	
	Planting carpet of <u>Jumping / Korian / Zoycia grass</u>	SqM	225	
c	<u>Preparation of Mound:</u> Providing and filling Red Hill Earth & Cow Dung Manure mixing in 2:1 proportion over debries put to desired shape of mound, watering to the depth of 1" three times, weeding after every watering before plantation, leveling, rolling after proper compaction, planting of good quality plants at specified intervals including transport & unloading. Watering etc. maintaining for 1 month after completion of plantation and replacement of casualties till 1 month.			
	Filling debries for earh mound in desired shape (Fine Dressing)	CuM	105	
	Filling good garden soil mix with manure	CuM	216	
	Total	CuM	321	
GW 2-2	<u>Plantation: Shrubs</u>			

a	<u>Planting Shrubs on Soft/Hard surface (Individual):</u> Filling Red Hill Earth & Cow Dung Manure and soil excavated from pit in the excavated pits mixing in 2:1:1 proportion, watering, weeding after every watering before planting the shrub, leveling, providing and planting well grown, healthy, bushy shrubs including transport and unloading as per specified variety and sizes, planting at desired location and specified distances with appropriate staking, maintaining for 1 month after completion of plantation and replacement of casualties till 1 month.	SqM		
	Filling good garden soil mix with manure (Fine Dressing)	SqM	410	
	Leveling	SqM	16	
	Weeding	SqM	16	
	Maintenance	SqM	150	
	Planting Shrubs (Labour, transport and unloading) (Excluding cost of plant)	SqM	75	
	Total	SqM	667	
b	<u>Planting Shrubbery on Soft/Hard surface:</u> Filling Red Hill Earth & Cow Dung Manure in the excavated area mixing in 2:1 proportion, watering, weeding after every watering before planting the shrub, leveling, providing and planting well grown, healthy, bushy shrubs including transport and unloading as per specified variety and sizes, planting at desired location and specified distances, maintaining for 1 month after completion of plantation and replacement of casualties till 1 month.	SqM		
	Filling good garden soil mix with manure (Fine Dressing)	SqM	410	
	Leveling	SqM	16	
	Weeding	SqM	16	
	Maintenance	SqM	150	
	Planting Shrubs (Labour, transport and unloading) (Excluding cost of plant)	SqM	75	
	Total	SqM	667	
GW 2-3	<u>Plantation: Creepers/Climbers</u>			
a	<u>Planting Creepers/Climbers on Soft/Hard surface:</u> Filling Red Hill Earth & Cow Dung Manure in the excavated area mixing in 2:1 proportion, watering, weeding after every watering before planting the shrub, leveling, providing and planting healthy, bushy creepers including transport and unloading as per specified variety and sizes, planting at desired location and specified distances with appropriate staking, maintaining for 1 month after completion of plantation and replacement of casualties till 1 month.	SqM		
	Filling good garden soil mix with manure (Fine Dressing)	SqM	216	
	Leveling	SqM	16	
	Weeding	SqM	16	
	Maintenance	SqM	50	
	Planting Creeper (Labour, transport and unloading) (Excluding cost of plant)	SqM	60	
	Total	SqM	358	
GW 2-4	<u>Plantation: Hedges/ Edges/ Flower Beds/ Ground covers</u>			
a	<u>Planting Hedges/ Edges/ Flower Beds on Soft/Hard surface:</u> Filling Red Hill Earth & Cow Dung Manure in the excavated area mixing in 2:1 proportion, watering, weeding after every watering before planting the shrub, leveling, providing and planting well grown, healthy, bushy shrubs including transport and unloading as per specified variety and sizes, planting at desired location and specified distances, maintaining for 1 month after completion of plantation and replacement of casualties till 1 month.	SqM		
	Filling good garden soil mix with manure (Fine Dressing)	SqM	216	
	Leveling	SqM	16	
	Weeding	SqM	16	
	Maintenance	SqM	175	
	Planting Creeper (Labour, transport and unloading) (Excluding cost of plant)	SqM	80	
	Total	SqM	503	

GW 2-5	Plantation: Trees			
a	Planting Trees on Soft/Hard surface (Individual): Filling of Red Hill Earth, Cow Dung Manure & good earth from excavated pit in the excavated pits mixing in 2:1:1 proportion, watering & providing well grown trees with minimum average girth of 2" and minimum height of 10' above finished level after plantation of specified variety , at desired location & at specified distances. Achieving finished grade level. Planting the tree with appropriate anchoring, leveling the top soil surface as specified after plantation, staking to balance the tree. Including transport to the site & planting , preparation of tree basin, watering & maintaining for 1 month after completion of plantation and replacement of casualties till 1 month.	No.s		
	Filling good garden soil mix with manure (Fine Dressing)	No.s	519	
	Leveling	No.s	28	
	Weeding	No.s	28	
	Maintenance	No.s	60	
	Planting Tree (Labour, transport and unloading) (Excluding cost of plant)	No.s	100	
	Total	No.s	735	
b	Planting Trees on Soft/Hard surface (Afforestation): Filling of Red Hill Earth, Cow Dung Manure & good earth from excavated pit in the excavated pits mixing in 2:1:1 proportion, watering & providing well grown trees with minimum average girth of 1" and minimum height of 4' above finished level after plantation of specified variety , at desired location & at specified distances. Achieving finished grade level. Planting the tree with appropriate anchoring, leveling the top soil surface as specified after plantation, staking to balance the tree. Including transport to the site & planting , preparation of tree basin, watering & maintaining for 1 month after completion of plantation and replacement of casualties till 1 month.	No.s		
	Filling good garden soil mix with manure (Fine Dressing)	No.s	412	
	Leveling	No.s	16	
	Weeding	No.s	16	
	Maintenance	No.s	30	
	Planting Tree (Labour, transport and unloading) (Excluding cost of plant)	No.s	90	
	Total	No.s	564	
c	Transplanting of Trees: Planting the tree in the pit filled with good soil, pressed down layer by layer, insecticide to be sprayed before planting, broken limbs to be removed. tree to be supported by three strong stakes driven into the ground metre away from the stem, transport to the site & planting , preparation of tree basin, watering & maintaining for 1 month after completion of plantation and replacement of casualties till 1 month.	No.s		
	Filling good garden soil mix with manure (Fine Dressing)	No.s	519	
	Leveling	No.s	16	
	Weeding	No.s	16	
	Maintenance	No.s	65	
	Planting Tree (Labour, transport and unloading)		200	
	Total	No.s	616	
GW 2-6	Soil Restoration (Plantation in Storage)			
	Providing and planting good quality lawn suckers of Cynodon dactylon with necessary bed preparation over the restored soil beds on site and apply water to the mix for the period of two weeks, sowing the lawn suckers at 75mm c/c in staggered fashion wherever required, rolling the surface to have a uniform level to avoid water stagnancy and then maintaining the same till well established until the site is ready for soil reuse.	SqM	95	


Chapter - 3
HARDSCAPE WORKS AND
GARDEN FURNITURE



GW Schedule Section 3			
ITEM CODE	ITEM DESCRIPTION	UNIT	RATE
GW-3	<u>Hardscape Works and Garden furnitures</u>		
	<u>Hardscape Works</u>		
GW-3-1-a	Providing and fixing Shotblasted and coated HSF Turf grass pavers (370mmX370mmX100mm) as per the drawing provided in required shade and color, fixed over 300mm thick well graded sand bed compacted to 95% proctor density all complete including turf grass. (Tile sample should be approved by Landscape Architect before execution) (Refer sketch 1)	Sqm	20000
GW-3-1-b	Providing and laying chamfered cobble rough stone (Hand cut Block Granite stone) of size 100x100x150mm thick and joint to be filled with sand and embedded in concrete , patterns as per detail drawings , all necessary fixing arrangement etc complete as directed by Engineer-In-Charge. The rate includes cost of chamfered granite cobble stones, sand and labour charges for laying. Concrete shall be paid for separately under relevent item. (Refer sketch 2)	Sqm	3200
GW-3-1-c	Providing and laying Natural unpolished White Pebbles of size 30mm to 50mm laying in 3 layers (finish layer of 150mm nominal thickness), graded pebbles etc complete as per drawing as specified as directed by Engineer. (Refer sketch 22)	Cum	3950
GW-3-1-d	Providing and laying Natural unpolished Black/Brown Pebbles of size 30mm to 50mm laying in 3 layers (finish layer of 150mm nominal thickness), graded pebbles etc complete as per drawing as specified as directed by Engineer. (Refer sketch 23)	Cum	3600
GW-3-1-e	Providing and laying Natural unpolished mixed colour Pebbles of size 5mm to 20mm laying in 3 layers (finish layer of 75mm nominal thickness), graded pebbles etc complete as per drawing as specified as directed by Engineer. (Refer sketch 24)	Cum	1400
GW-3-1-f	Providing and laying Natural unpolished White Pebbles of size 75mm to 125mm laying in 3 layers (finish layer of 75mm nominal thickness), graded pebbles etc complete as per drawing as specified as directed by Engineer. (Refer sketch 25)	Cum	2385
GW-3-1-g	Providing and laying Natural unpolished Black/Brown Pebbles of size 75mm to 125mm laying in 3 layers (finish layer of 75mm nominal thickness), graded pebbles etc complete as per drawing as specified as directed by Engineer. (Refer sketch 26)	Cum	1850
GW-3-1-h	Providing and laying Polished White Pebbles of size 75mm to 125mm laying in 3 layers (finish layer of 75mm nominal thickness), graded pebbles etc complete as per drawing as specified as directed by Engineer. (Refer sketch 27)	Cum	3550
GW-3-1-i	Providing and laying Polished Black/Brown Pebbles of size 75mm to 125mm laying in 3 layers (finish layer of 75mm nominal thickness), graded pebbles etc complete as per drawing as specified as directed by Engineer. (Refer sketch 28)	Cum	2950
	<u>Garden Furnitures</u>		
GW-3-2	Supplying and fixing items as mentioned below on site (garden, park and zoo, etc)		
GW-3-2-a	Ice Cream Bin (Refer sketch 5) Product area:0.38Sqm, Capacity in Itrs: 40.0 Itrs, Product height:0.92m	Nos	30448
GW-3-2-b	Trunk Bin (Refer sketch 6) Product area:0.38Sqm, Capacity in Itrs: 72.0 Itrs, Product height:0.69m	Nos	30448
GW-3-2-c	Puppy Bin (Refer sketch 7) Product area:0.38Sqm, Capacity in Itrs: 68.0 Itrs, Product height:0.69m	Nos	30448
GW-3-2-d	Bird Bin (Refer sketch 8) Product area:0.38Sqm, Capacity in Itrs: 68.0 Itrs, Product height:0.69m	Nos	30448

GW-3-2-e	Frog Dust Bin (Refer sketch 9) Product area:0.61Sqm, Capacity in ltrs: 84.0 ltrs, Product height:0.92m	Nos	43774
GW-3-2-f	Ss Dust Bin (Refer sketch 10) Product area:0.76Sqm, Capacity in ltrs: 42.0 ltrs, Product height:0.92m	Nos	17265
GW-3-2-g	Dust Bin (Aluminium) (Refer sketch 11) Product area:0.31Sqm, Capacity in ltrs: 37.0 ltrs, Product height:0.90m	Nos	20301
GW-3-2-h	Brinjal Dust Bin (Refer sketch 12) Product area:0.61Sqm, Capacity in ltrs: 64.0 ltrs, Product height:0.95m	Nos	42853
GW-3-2-i	Fish Dust Bin (Refer sketch 13) Product area:0.76Sqm, Capacity in ltrs: 64.0 ltrs, Product height:0.80m	Nos	38231
GW-3-2-j	Standard Bench (Refer sketch 14) Product area:1.8 x 0.6 mts, Capacity in nos: 4 nos, Product height:0.80m	Nos	23671
GW-3-2-k	Royal Bench (Refer sketch 15) Product area:1.2 x 0.6 mts, Capacity in nos: 3 nos, Product height:0.90m	Nos	45847
GW-3-2-l	Regal Bench (Refer sketch 16) Product area:1.2 x 0.6 mts, Capacity in nos: 3 nos, Product height:0.90m	Nos	46096
GW-3-2-m	Victoria Bench (Refer sketch 17) Product area:1.2 x 0.6 mts, Capacity in nos: 3 nos, Product height:0.90m	Nos	48463
GW-3-2-n	Vip Bench (Refer sketch 18) Product area:1.2 x 0.6 mts, Capacity in nos: 3 nos, Product height:0.90m	Nos	49709
GW-3-2-o	Stadium Bench (Refer sketch 19) Product area:1.2 x 0.6 mts, Capacity in nos: 3 nos, Product height:0.9m	Nos	43923
GW-3-2-p	Sleek Bench (Refer sketch 20) Product area: 1.2 x 0.6 mts, Capacity in nos: 3 nos, Product height:0.5m	Nos	31396
GW-3-2-q	Deluxe Bench (Refer sketch 21) Product area:1.3 x 0.9 mts, Capacity in nos: 3 nos, Product height:1.2m	Nos	42182
GW-3-2-r	Designing, providing, hoisting and placing in position machine batched and machine mixed design mix Precast Cement Concrete Tablet bench of size 1050 x 700 x 350 mm high for Form Finished reinforced cement concrete work in M25 grade 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. Rate includes the cost of required centring, shuttering, reinforcement steel, colour pigment of approved shade, chamfering on edges etc complete as per drawing, specification and direction of Engineer-In-Charge.(Refer sketch 29)	Nos	6400
	Gazebo		
GW-3-3-a	Providing, hoisting and fixing at all level precast or reinforced cement concrete gazebo with all elements like roofing, string courses, bands, copings, columns, pillars beams, plinth beams, railings, benches, flooring, foundations including architectural design, moulding, arches, shapes, and applying proper texture and painting coats to suit a particular asthetic element (trunk of trees, shapes of animals, birds, timber benching, any element or structure representing culture or tradition) the cost of required centering, shuttering and reinforcement, of M25 grade and fibrous material, etc complete as per the instructions of Architect or Engineer-in-charge.(Refer sketch 3)	Sqm	38000
GW-3-3-b	Providing, hoisting and fixing at all level precast or reinforced cement concrete gazebo with all elements like roofing, string courses, bands, copings, columns, pillars beams, plinth beams, railings, benches, flooring, foundations including architectural design, moulding, arches, shapes, and applying proper texture and painting coats to suit a particular asthetic element (trunk of trees, shapes of animals, birds, timber benching, any element or structure representing culture or tradition) the cost of required centering, shuttering and reinforcement, of M25 grade and fibrous material, etc complete as per the instructions of Architect or Engineer-in-charge.(Refer sketch 4)	Sqm	25000

GW-3-3-c	Providing, placing and applying stamp powder which is light fast UV resistant pigment with appropriate chemical compounds of desired colour on base concrete after excess bleed water has evaporated using dry shake method @5 kg per sqm, including texturing, and covering with plastic sheet (min 200 micron thickness) and also applying two coats of UV-stable, 30% solids clear sealer @ 150 to 250 gms per sqm using surface roller and protecting from falling dust, dirt, etc complete as per the specifications and directions of Engineer-in-Charge or Landscape Architect. (The base concrete shall be paid seperately as per the type or grade of concrete from USOR 2013 Concrete Works chapter.)(Refer sketch 30)	Sqm	1022
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Chapter - 4
GARDEN EQUIPMENTS AND
ACCESSORIES

GW Schedule Section 4

ITEM CODE	ITEM DESCRIPTION	UNIT	RATE
GW-4	<u>Garden Equipments and Accessories</u>		
GW-4-1	<u>Polyethylene Tubes</u>		
GW-4-1-a	Poly Tube 16 mm.RD. CL III as per IS:12786	Mtr	18
GW-4-1-b	Poly Tube 20 mm. RD. CL III as per IS:12786	Mtr	25
GW-4-1-c	Poly Tube 25 mm. RD.CL III as per IS:12786	Mtr	43
GW-4-1-d	Poly Tube 32 mm. RD.CL III as per IS:12786	Mtr	67
GW-4-1-e	LLDPE extension tube 6 mm. minimum thickness 1 mm.	Mtr	8
GW-4-1-f	LLDPE extension tube 8 mm. minimum thickness 1 mm.	Mtr	9
GW-4-2	<u>Emitting Device</u>		
GW-4-2-a	In line DRIP Line 16mm. 4 lph. 40 cms. Non Regulated class III : IS: 13488	Mtr	21
GW-4-2-b	In line DRIP Line 16mm. 2 lph.to 4 lph. 30 cms.class II Regulated : IS: 13488	Mtr	25
GW-4-2-c	In line DRIP Line 12mm. 2 lph. To 3.5 lph. 30 cms.class III Non Regulated: IS: 13488	Mtr	16
GW-4-2-d	Dripper 4 lph./8 lph. Regulated. IS:13487	Nos	4
GW-4-2-e	Dripper 4 lph./8 lph. Non Regulated.IS: 13487	Nos	4
GW-4-3	<u>Foggers</u>		
GW-4-3-a	Foggers 4 way assembly with low/high LPD -20 to 30 Lph.	Nos	163
GW-4-3-b	Foggers 2 way assembly with low/high LPD -10 to 20 Lph.	Nos	163
GW-4-3-c	Foggers single way assembly with low/high LPD -05 to 10 Lph.	Nos	81
GW-4-4	<u>Sprinkler</u>		
GW-4-4-a	Bridgeless mini sprinkler assembly with leak prevention device, operating pressure 2 to 3 kg./sq.cm; over head installation	Nos	124
GW-4-4-b	Modular sprinkler with plastic stake assembly -operating pressure 1.5 to 3 kgf. flow rate 25 to 400 lph. with nozzle for minimum 90% distribution uniformity at specified spacing	Nos	73
GW-4-4-c	Turbo hammer low volume sprinkler assembly 1 mtr. height, operating pressure 1.5 kgf. 1/2" bsp. m/f inlet giving distribution as 88% for specified spacing - 6x7 m, 7x7 m, 7x8m, 8x8m discharge 100 to 250 lph. nozzle size 2.2 mm.	Nos	292
GW-4-4-d	Light weight impact type sprinkler with SS retraction spring , 1/2" m threaded inlet full circle with bayonet nozzle 2.5 x 1.8 mm giving distribution uniformity more than 88% at 9 x 9 m, 10 x 10 m, 9 x 12 m, 10 x 12 m or 12 x 12 m. operating pressure 3 kgf.IS:12232-1	Nos	294
GW-4-4-e	Light weight impact type sprinkler with SS retraction spring , 1/2" m threaded inlet Part Cicle 2.8mm to 4.0mm. Single nozzle giving distribution uniformity more than 88% at 9 x 9 m, 10 x 10 m, operating pressure 3 kgf.	Nos	281
GW-4-4-f	Light weight impact type sprinkler with SS retraction spring , 3/4" m threaded inlet full circle with bayonet nozzle 5.5 x 2.5 mm. or part circle 5 mm. nozzle giving distribution uniformity more than 88% at 12x15m,12x18m, 18x18m, 20 x 20 m 3kgf. operating pressure. IS: 12232-1	Nos	739
GW-4-5	<u>Fountain (SP-ME-TS-75)</u>		
GW-4-5-a	Foam Bubble/ Geyser jet fitted on universal ball joint	Nos	5914
GW-4-5-b	SS 304 Framed mesh cover	Nos	16936
GW-4-5-c	Monobloc Submersible Pump	Nos	66128
GW-4-5-d	IP 68 TYPE Plogramable submersible Lights	Nos	30579
GW-4-5-e	Fabricated MS powder coated control panel	Nos	25404
GW-4-5-f	Necessary G.I / PVC plumbing pipes, fittings , valves	Set	50809
GW-4-5-g	Necessary electrical cabling	Job	42340
GW-4-5-h	Spot Light	Nos	1882
GW-4-6	<u>Fittings</u>		
GW-4-6-a	32mm. Compression joiner	Nos	95
GW-4-6-b	32mm. Compression tee	Nos	144
GW-4-6-c	32mm. Compression end	Nos	88

GW-4-6-d	25mm. Compression joiner	Nos	87
GW-4-6-e	25mm. Compression tee	Nos	134
GW-4-6-g	25 mm. Compression end	Nos	71
GW-4-6-h	40mm. Compression joiner	Nos	209
GW-4-6-i	40mm. Compression tee	Nos	315
GW-4-6-j	40mm. Compression end	Nos	146
GW-4-6-k	Screen filter Y type 2" metal – 25Cumh.IS:12785	Nos	8426
GW-4-6-l	Screen filter Y type 2.5" metal - 40 Cumh. IS:12785	Nos	10459
GW-4-6-m	Screen filter Y type 3" metal - 50 Cumh. IS:12785	Nos	13127
GW-4-6-n	Pressure gauge 2" gly. Filled	Nos	567
GW-4-7	Filters		
GW-4-7-a	Media filter 2.5" horizontal is 14606, bsp flanged 100 mic; maximum operating pressure 10 kgf. silica sand media no. 16 & 98% purity - 0.7 mm. to 1.2 mm., ms. body 40 cumh. IS: 14606	Nos	38938
GW-4-7-b	Media filter 2.0" horizontal is 14606, bsp flanged 100 mic; maximum operating pressure 10 kgf. silica sand media no. 16 & 98% purity - 0.7 mm. to 1.2 mm., ms. body 25 cumh. IS:14606	Nos	28333
GW-4-7-c	Media filter 3.0" horizontal is 14606, bsp flanged 100 mic; maximum operating pressure 10 kgf. silica sand media no. 16 & 98% purity - 0.7 mm. to 1.2 mm., ms. body 50 cumh. IS:14606	Nos	56148
GW-4-7-d	Media filter 2.0" horizontal is 14606, bsp flanged 100 mic; maximum operating pressure 10 kgf. silica sand media no. 16 & 98% purity - 0.7 mm. to 1.2 mm., ms. body 25 cumh. SEMI AUTOMATIC IS:14606	Nos	74803
GW-4-7-e	Media filter 2.5" horizontal is 14606, bsp flanged 100 mic; maximum operating pressure 10 kgf. silica sand media no. 16 & 98% purity - 0.7 mm. to 1.2 mm., ms. body 40 cumh. SEMI AUTOMATIC IS:14606	Nos	84561
GW-4-7-g	Media filter 3" horizontal is 14606, bsp flanged 100 mic; maximum operating pressure 10 kgf. silica sand media no. 16 & 98% purity - 0.7 mm. to 1.2 mm., ms. body 50 cumh. SEMI AUTOMATIC IS:14606	Nos	107629
GW-4-7-h	Media filter as above with full automation 2.0" IS:14606	Nos	88325
GW-4-7-i	Media filter as above with full automation 2.5" - Horizontal IS:14606	Nos	101682
GW-4-7-j	Media filter as above with full automation 3" horizontal IS:14606	Nos	122925
GW-4-8	Valves		
GW-4-8-a	Control valve made of rigid pvc. compound compact double union type with nitrile rubber o ring, ptfе seat ring, solvent weld - 50 mm.	Nos	2563
GW-4-8-b	Control valve made of rigid pvc. compound compact double union type with nitrile rubber o ring, ptfе seat ring, solvent weld - 75 mm.	Nos	7229
GW-4-8-c	Impact pop up 1/2" female inlet, heavy duty plastic adjustable sprinkler 3.2 mm. nozzle & plastic heavy duty housing, operating pressure 2 kgf to 4 kgf. flow= 570 to 810 lph. with 4 elbow swing joint	Nos	928
GW-4-8-d	Light weight duty rain gun with 1M stand assembly 1 1/2" -bsp male threaded connection fc. operating pressure 2 kg./sq.cm to 4 kg./sq.cm nozzle 14 no. wetting radius 24 mtrs. - 3.27 lps; 27.5 mtrs - 4.01 lps; 30 mtrs. - 4.63 lps.IS:12232-1	Nos	15366
GW-4-8-e	Big volume rain gun - light weight high tech composite material - 2" bsp. female threaded inlet, nozzle size - 24 mm, operating pressure and flow:- 2 kg./sq.cm - 8.69 lps; 3 kg./sq.cm - 10.64 lps; 4 kg./sq.cm - 12.29 lps; wetting radius as 34.7 mtrs to 45 mtrs.	Nos	36234
GW-4-8-g	2" OR 4 inch pop up Adjustable Rotor - plastic : heavy duty commercial grade, 3/4" female inlet, discharge rate - 0.2 to 3.36 cumh. radius of coverage 8 m to 14.3 mtrs. recommended pressure 2.1 kg./sq.cm to 4.8 kg./sq.cm., nozzle trajectory - 25 deg. integral rubber cover & with four elbow swing joint & check valve	Nos	1853
GW-4-8-h	4" pop up Plastic Rotor : heavy duty commercial grade for parks & garden , 1" female inlet, exposed dia- 2", discharge rate - 1.59 to 6.4 cumh. radius of coverage 16 to 21 mtrs. recommended pressure 3 kg./sq.cm to 6.9 kg./sq.cm., nozzle trajectory - 25 deg. small exposed heavy duty rubber cover, four elbow swing joints & check valve	Nos	3468
GW-4-8-i	Plastic Spray pop up 2" to 4" riser : heavy duty commercial grade for institution	Nos	665
GW-4-8-j	Plastic Spray pop up 2" to 4" riser & 3 mtrs. to 9mtrs. multi stream nozzle: hea	Nos	1277
GW-4-8-k	1" size Professional grade plastic solenoid valve 24 vac.	Nos	2193
GW-4-8-l	2" size Professional grade plastic solenoid valve 24 vac.	Nos	5934
GW-4-8-m	4" size Professional grade plastic solenoid valve 24 vac.	Nos	35036

GW-4-8-n	Commercial controller 6 station plastic cabinet, transformer input 240 vac 50/60 Hz	Nos	26709
GW-4-9	<u>UPVC.FITTINGS AS PER IS- 4985</u>		
GW-4-9-a	UPVC. Pipe:ISI marked - IS 4985 32 mm. 10 kgf.	Mtr	51
GW-4-9-b	UPVC. Pipe:ISI marked - IS 4985 40 mm. 10 kgf.	Mtr	78
GW-4-9-c	UPVC. Pipe:ISI marked - IS 4985 50 mm. 6 kgf.	Mtr	76
GW-4-9-d	UPVC. Pipe:ISI marked - IS 4985 50 mm. 8 kgf.	Mtr	109
GW-4-9-e	UPVC. Pipe:ISI marked - IS 4985 50 mm. 10 kgf.	Mtr	124
GW-4-9-f	UPVC. Pipe:ISI marked - IS 4985 63 mm. 6 kgf.	Mtr	117
GW-4-9-g	UPVC. Pipe:ISI marked - IS 4985 63 mm. 8 kgf.	Mtr	159
GW-4-9-h	UPVC. Pipe:ISI marked - IS 4985 63 mm.10 kgf.	Mtr	193
GW-4-9-i	UPVC. Pipe:ISI marked - IS 4985 75 mm. 6 kgf.	Mtr	165
GW-4-9-j	UPVC. Pipe:ISI marked - IS 4985 75 mm. 8 kgf.	Mtr	229
GW-4-9-k	UPVC. Pipe:ISI marked - IS 4985 75 mm.10 kgf.	Mtr	275
GW-4-9-l	UPVC. Pipe:ISI marked - IS 4985 90 mm. 6 kgf.	Mtr	237
GW-4-9-m	UPVC. Pipe:ISI marked - IS 4985 90 mm. 8 kgf.	Mtr	321
GW-4-9-n	UPVC. Pipe:ISI marked - IS 4985 90 mm.10 kgf.	Mtr	393
GW-4-9-o	UPVC. Pipe:ISI marked - IS 4985 110 mm. 6 kgf.	Mtr	346
GW-4-9-p	UPVC. Pipe:ISI marked - IS 4985 110 mm. 8 kgf.	Mtr	483
GW-4-9-q	UPVC. Pipe:ISI marked - IS 4985 110 mm.10 kgf.	Mtr	588
GW-4-10	<u>PVC.FITTINGS AS PER IS- 7834 -1987 OR IS-10124 HEAVY DUTY</u>		
GW-4-10-a	Elbow 50 mm	Nos	39
GW-4-10-b	Elbow 63 mm	Nos	66
GW-4-10-c	Elbow 75 mm	Nos	94
GW-4-10-d	Elbow 90 mm	Nos	171
GW-4-10-e	Elbow 110 mm	Nos	348
GW-4-10-f	Tee 50 mm	Nos	52
GW-4-10-g	Tee 63 mm	Nos	90
GW-4-10-h	Tee75 mm	Nos	138
GW-4-10-i	Tee 90 mm	Nos	215
GW-4-10-j	Tee 110 mm	Nos	318
GW-4-10-k	End cap 50 mm	Nos	27
GW-4-10-l	End cap 63 mm	Nos	32
GW-4-10-m	End cap 75 mm	Nos	47
GW-4-10-n	End cap 90 mm	Nos	81
GW-4-10-o	Coupler 50 mm.	Nos	48
GW-4-10-p	Coupler 63 mm.	Nos	92
GW-4-10-q	Coupler 75 mm.	Nos	119
GW-4-10-r	Coupler 90 mm.	Nos	187
GW-4-10-s	Coupler 110 mm.	Nos	234
GW-4-10-t	Reducer 110 x 90 mm.	Nos	111
GW-4-10-u	Reducer 90x 75 mm.	Nos	110
GW-4-10-v	Reducer 75x 63 mm.	Nos	91
GW-4-10-w	Reducer 63x50 mm.	Nos	52
GW-4-10-x	Service saddle 50 mm.	Nos	68
GW-4-10-y	Service saddle 63 mm.	Nos	92
GW-4-10-z	Service saddle 75 mm.	Nos	99
GW-4-10-aa	Service saddle 90 mm.	Nos	118
GW-4-10-ab	Tail piece with flange 110mm. 10kgf.	Nos	533
GW-4-10-ac	Tail piece with flange 90mm. 10kgf.	Nos	427
GW-4-10-ad	Tail piece with flange 75mm. 10kgf.	Nos	333
GW-4-10-ae	Tail piece with flange 63 mm. 10 kgf.	Nos	271
GW-4-11	<u>HDPE PIPES AS PER IS- 4984 -1995</u>		
GW-4-11-a	HDPE. PE 80 pipe : ISI marked - IS 4984 50 mm. 6 kgf.	Mtr	112
GW-4-11-b	HDPE. PE 80 pipe : ISI marked - IS 4984 50 mm. 8 kgf.	Mtr	143
GW-4-11-c	HDPE. PE 80 pipe : ISI marked - IS 4984 50 mm. 10 kgf.	Mtr	169
GW-4-11-d	HDPE. PE 80 pipe : ISI marked - IS 4984 63 mm. 6 kgf.	Mtr	175
GW-4-11-e	HDPE. PE 80 pipe : ISI marked - IS 4984 63 mm. 8 kgf.	Mtr	222
GW-4-11-f	HDPE. PE 80 pipe : ISI marked - IS 4984 63 mm. 10 kgf.	Mtr	267
GW-4-11-g	HDPE. PE 80 pipe : ISI marked - IS 4984 75 mm. 6 kgf.	Mtr	248

GW-4-11-h	HDPE. PE 80 pipe : ISI marked - IS 4984 75 mm. 8 kgf.	Mtr	314
GW-4-11-i	HDPE. PE 80 pipe : ISI marked - IS 4984 75 mm. 10 kgf.	Mtr	377
GW-4-11-j	HDPE. PE 80 pipe : ISI marked - IS 4984 90 mm. 6 kgf.	Mtr	353
GW-4-11-k	HDPE. PE 80 pipe : ISI marked - IS 4984 90 mm. 8 kgf.	Mtr	450
GW-4-11-l	HDPE. PE 80 pipe : ISI marked - IS 4984 90 mm. 10 kgf.	Mtr	540
GW-4-11-m	HDPE. PE 80 pipe : ISI marked - IS 4984 110 mm. 6 kgf.	Mtr	529
GW-4-11-n	HDPE. PE 80 pipe : ISI marked - IS 4984 110 mm. 8 kgf.	Mtr	672
GW-4-11-o	HDPE. PE 80 pipe : ISI marked - IS 4984 110 mm. 10kgf.	Mtr	800
GW-4-12	<u>QRC HDPE PIPE AND FITTINGS</u>		
GW-4-12-a	HDPE Pipe With QRC Class III 63 mm 4 Kgf. 6m	Nos	828
GW-4-12-b	HDPE Pipe With QRC Class III 75 mm 4 Kgf. 6m	Nos	1122
GW-4-12-c	HDPE Pipe With QRC Class III 90 mm 4 Kgf. 6m	Nos	1732
GW-4-12-d	QRC HDPE 63mm. Service Saddle	Nos	646
GW-4-12-e	QRC HDPE 75mm. Service Saddle	Nos	712
GW-4-12-f	QRC HDPE 90mm. Service Saddle	Nos	839
GW-4-12-g	QRC HDPE Pump Connecting Nipple 63 mm	Nos	527
GW-4-12-h	QRC HDPE Pump Connecting Nipple 75 mm	Nos	678
GW-4-12-i	QRC HDPE Pump Connecting Nipple 90 mm	Nos	828
GW-4-12-j	QRC HDPE End Plug 90 mm.	Nos	113
GW-4-12-k	QRC HDPE End Plug 75 mm.	Nos	98
GW-4-12-l	QRC HDPE End Plug 63 mm.	Nos	83
GW-4-12-m	QRC Tee 110mm.	Nos	1098
GW-4-12-n	QRC Tee 90mm.	Nos	992
GW-4-12-o	QRC Tee 75 mm.	Nos	723
GW-4-12-p	QRC Reducer 110 X 90 mm.	Nos	919
GW-4-12-q	QRC Reducer 90 X 75 mm.	Nos	633
GW-4-12-r	QRC Reducer 75 X 63 mm.	Nos	489
GW-4-12-s	HDPE Pipe With QRC Class III 110 Mm 4 Kgf. 6m	Nos	2364
GW-4-12-t	Rain Gun Stand 1.5 Mtr Ht. Tripod	Nos	5143
GW-4-12-u	Rain Gun Stand 2.0 Mtr Ht. Tripod	Nos	6002
GW-4-13	<u>HDPE FITTINGS HEAVY DUTY 10 KGF.</u>		
GW-4-13-a	HDPE elbow 50 mm	Nos	43
GW-4-13-b	HDPE elbow 63 mm	Nos	62
GW-4-13-c	HDPE elbow 75 mm	Nos	88
GW-4-13-d	HDPE elbow 90 mm	Nos	183
GW-4-13-e	HDPE tee 50 mm.	Nos	36
GW-4-13-f	HDPE tee 63 mm.	Nos	59
GW-4-13-g	HDPE tee 75 mm.	Nos	110
GW-4-13-h	HDPE tee 90 mm.	Nos	260
GW-4-13-i	HDPE service saddle 50 mm.	Nos	363
GW-4-13-j	HDPE service saddle 63 mm.	Nos	392
GW-4-13-k	HDPE service saddle 75 mm.	Nos	422
GW-4-13-l	HDPE service saddle 90 mm.	Nos	450
GW-4-13-m	HDPE service saddle 110 mm.	Nos	540
GW-4-13-n	HDPE pipe end 50 mm. 6 kgf.	Nos	134
GW-4-13-o	HDPE pipe end 63 mm. 6 kgf.	Nos	165
GW-4-13-p	HDPE pipe end 75 mm. 6 kgf.	Nos	203
GW-4-13-q	HDPE pipe end 90 mm. 6 kgf.	Nos	188
GW-4-13-r	HDPE pipe end 110 mm. 6 kgf.	Nos	249
GW-4-13-s	Flush valve plastic 50 mm.	Nos	83
GW-4-13-t	Flush valve plastic 63 mm.	Nos	97
GW-4-13-u	Solvent cement 1 lit.	Nos	410

Item Code	Botanical Name	Common Name	Unit	Pot / Polybag of 50 micron	Required Height	Rates
	Shrubs					
GW-5-1	Acalypha wilkesiana	Acalypha Batic	Nos	Polybag	9"to12"	25
GW-5-2	Acalypha wilkesiana	Acalypha Dwarf	Nos	Polybag	9"to12"	25
GW-5-3	Acalypha wilkesiana	Acalypha Java	Nos	Polybag	9"to12"	30
GW-5-4	Acalypha wilkesiana	Acalypha Ceylon	Nos	Polybag	9"to12"	20
GW-5-5	Acalypha wilkesiana	Acalypha Acrophylla	Nos	Polybag	9"to12"	20
GW-5-6	Acalypha wilkesiana	Acalypha Tahiti	Nos	Polybag	9"to12"	33
GW-5-7	Allamanda cathartica	Dwarf Green Allam	Nos	Polybag	9"to12"	33
GW-5-8	Allamanda cathartica	Dwarf Silver Allam	Nos	Polybag	9"to12"	25
GW-5-9	Alternanthera betzickiana	Red/Green Alternanthera	Nos	Polybag	9"to12"	20
GW-5-10	Alternanthera betzickiana	Verigated Alternanthera	Nos	Polybag	9"to12"	20
GW-5-11	Alternanthera versicolor	Black Alternanthera	Nos	Polybag	9"to12"	25
GW-5-12	Asparagus springeri	shatawari	Nos	Polybag	9"to12"	30
GW-5-13	Baxus microphylla		Nos	Polybag	9"to12"	30
GW-5-14	Bougainvillea glabra	Purple Single Flowers	Nos	Polybag	9"to12"	30
GW-5-15	Bougainvillea butiana	Lady Mary Bearing	Nos	Polybag	9"to12"	40
GW-5-16	Bougainvillea pixie		Nos	Polybag	9"to12"	40
GW-5-17	Bougainvillea purviana	Partha Red Single	Nos	Polybag	9"to12"	25
GW-5-18	Bougainvillea purvian	Mary Palmer	Nos	Polybag	9"to12"	45
GW-5-19	Bougainvillea purviana	Shubhra (White)	Nos	Polybag	9"to12"	35
GW-5-20	Bougainvillea purviana	Thimma	Nos	Polybag	9"to12"	35
GW-5-21	Bougainvillea sp.	Dr. Rao , Dr. Bhabha	Nos	Polybag	9"to12"	40
GW-5-22	Bougainvillea sp.	Mix Var. Specimen	Nos	Polybag	9"to12"	105
GW-5-23	Butiana 'mahara'	Red Double Flowers	Nos	Polybag	9"to12"	40
GW-5-24	Butiana 'mohan'	Pink double flower	Nos	Polybag	9"to12"	35
GW-5-25	Caeslapinia pulcherima	Red / Pink /Yellow	Nos	Polybag	9"to12"	60
GW-5-26	Calliandra emarginata	Dwarf Red Calliandra	Nos	Polybag	9"to12"	40
GW-5-27	Canna sp.	Dwarf Canna Varieties	Nos	Polybag	9"to12"	45
GW-5-28	Canna sp.	Ordinary Varieties	Nos	Polybag	9"to12"	35
GW-5-29	Canna variegata	Canna Varigated	Nos	Polybag	9"to12"	40
GW-5-30	Cestrum nocturnum	Raat Rani	Nos	Polybag	9"to12"	30
GW-5-31	Cestrum diurnum	Din Ka Raja	Nos	Polybag	9"to12"	30
GW-5-32	Codiaeum variegatum	Ordinary Croton	Nos	Polybag	9"to12"	35
GW-5-33	Codiaeum variegatum	Yellow/Green Croton	Nos	Polybag	9"to12"	40
GW-5-34	Codiaeum variegatum	Crispum Croton	Nos	Polybag	9"to12"	30
GW-5-35	Codiaeum variegatum	Duck Foot Croton	Nos	Polybag	9"to12"	40
GW-5-36	Codiaeum variegatum	Petra croton	Nos	Polybag	9"to12"	60
GW-5-37	Codiaeum variegatum	Hybrid croton	Nos	Polybag	9"to12"	60
GW-5-38	Codiaeum variegatum	Assorted variety	Nos	Polybag	9"to12"	30
GW-5-39	Chlorophytum comosum	Spider Plant	Nos	Polybag	9"to12"	25
GW-5-40	Chlorophytum laxum	Dwarf Chlorophytum	Nos	Polybag	9"to12"	25
GW-5-41	Chlorophytum Species	Dusty Miller	Nos	Polybag	9"to12"	20
GW-5-42	Chrysothemis pulcherima		Nos	Polybag	9"to12"	25
GW-5-43	Vekhand	Vekhand	Nos	Polybag	9"to12"	30
GW-5-44	Coleus	Coleus mix	Nos	Polybag	9"to12"	30
GW-5-45	Coleus	Coleus hybrid variety	Nos	Polybag	9"to12"	30
GW-5-46	Coleus aromatica	Varigated ova	Nos	Polybag	9"to12"	25
GW-5-47	Crossandra undulaefolia	Assorted variey	Nos	Polybag	9"to12"	30
GW-5-48	Cynodon species	American blue grass	Nos	Polybag	9"to12"	115
GW-5-49	Dracaena colorama		Nos	Polybag	9"to12"	45
GW-5-50	Dressina		Nos	Polybag	9"to12"	40
GW-5-51	Duranta repens	Golden duranta	Nos	Polybag	9"to12"	20
GW-5-52	Duranta repens "tinge"	Sunshine duranta	Nos	Polybag	9"to12"	25

GW-5-53	Duranta speciosa	Broad leaf variegated duranta	Nos	Polybag	9"to12"	25
GW-5-54	Duranta variegata	Variegated Duranta	Nos	Polybag	9"to12"	25
GW-5-55	Eranthemum albomarginatum	White Eranthemum`	Nos	Polybag	9"to12"	25
GW-5-56	Eranthemum bicolor	Yellow Eranthemum	Nos	Polybag	9"to12"	25
GW-5-57	Eranthemum reticulatum	Golden Eranthemum	Nos	Polybag	9"to12"	25
GW-5-58	Eranthemum Tricolor	Pink Eranthemum	Nos	Polybag	6" to 9"	25
GW-5-59	Euphorbia caracasana	Burgandy leaves	Nos	Polybag	9"to12"	25
GW-5-60	Excoecaria bicolor	Laila Majnu	Nos	Polybag	9"to12"	45
GW-5-61	Ficus benjamina	Benjamina Corporata	Nos	Polybag	9"to12"	35
GW-5-62	Ficus benjamina	Bushy Prince Ficus	Nos	Polybag	9"to12"	80
GW-5-63	Ficus benjamina	Ficus Nuda	Nos	Polybag	9"to12"	40
GW-5-64	Ficus benjamina variegata	Ficus Nuda	Nos	Polybag	9"to12"	45
GW-5-65	Ficus benjamina variegated	Variegated Ficus	Nos	Polybag	9"to12"	45
GW-5-66	Ficus Nitida	Ficus Panda	Nos	Polybag	9"to12"	50
GW-5-67	Ficus benjamina variegata	Starlight Ficus	Nos	Polybag	9"to12"	70
GW-5-68	Galphimia glauca	Canary Bush	Nos	Polybag	9"to12"	35
GW-5-69	Gardenia jasminoides	Anant	Nos	Polybag	9"to12"	30
GW-5-70	Gynura aurantica		Nos	Polybag	9"to12"	30
GW-5-71	Hamilia patens		Nos	Polybag	9"to12"	30
GW-5-72	Heliconia humilis	Red / Oranger flowers	Nos	Polybag	9"to12"	90
GW-5-73	Heliconia metallica	Red leaf Heliconia	Nos	Polybag	9"to12"	75
GW-5-74	Heliconia pisttacorum	Yellow flower	Nos	Polybag	9"to12"	45
GW-5-75	Hibiscus mutabilis	Bhendi Gulab	Nos	Polybag	9"to12"	30
GW-5-76	Hibiscus rosasinensis	La France Pink / White	Nos	Polybag	9"to12"	25
GW-5-77	Hibiscus rosasinensis	Hawaiian Hibiscus	Nos	Polybag	9"to12"	30
GW-5-78	Hibiscus rosasinensis	Snow Flake Hibiscus	Nos	Polybag	9"to12"	40
GW-5-79	Hydrangia macrophylla	Hy-drangia	Nos	Polybag	9"to12"	50
GW-5-80	Ixora chinensis	Prince Of Orange	Nos	Polybag	9"to12"	35
GW-5-81	Ixora chinensis cv. Lutea	Yellow Ixora	Nos	Polybag	9"to12"	35
GW-5-82	Ixora chinensis cv. Sunkist	Ixora Nana Pink	Nos	Polybag	9"to12"	35
GW-5-83	Ixora chinensis cv. Sunkist	Ixora Nana Red	Nos	Polybag	9"to12"	40
GW-5-84	Ixora Duffi	Red Flowered Ixora	Nos	Polybag	9"to12"	40
GW-5-85	Ixora Singaporensis	Orange Ixora	Nos	Polybag	9"to12"	40
GW-5-86	Ixora Singaporensis	Yellow Single Ixora	Nos	Polybag	9"to12"	40
GW-5-87	Iresine		Nos	Polybag	9"to12"	25
GW-5-88	Jasminum pubescens	Kund	Nos	Polybag	9"to12"	25
GW-5-89	Jasminum sambac	Mogra	Nos	Polybag	9"to12"	25
GW-5-90	Jasminum Sp.	Jai / Jui	Nos	Polybag	9"to12"	25
GW-5-91	Jatropa Pandurifolia	Jatropa	Nos	Polybag	9"to12"	30
GW-5-92	Juniperus prostate	Cascading Juniperus	Nos	Polybag	9"to12"	60
GW-5-93	Juniperus pyramidalis	Temple Juniperus	Nos	Polybag	9"to12"	50
GW-5-94	Lantena camera depressa	Yellow Lantena	Nos	Polybag	9"to12"	25
GW-5-95	Lantena camera sanguinea	Haldikunku Lantena	Nos	Polybag	9"to12"	25
GW-5-96	Lantena camera Pink	Pink Lantena	Nos	Polybag	9"to12"	25
GW-5-97	Lantena sellowiana	Purple Creeping	Nos	Polybag	9"to12"	25
GW-5-98	Lantena sellowiana	White Creeping	Nos	Polybag	9"to12"	25
GW-5-99	Magnolia pumila	Kavthi Chapha	Nos	Polybag	9"to12"	60
GW-5-100	Lawsonia inermis		Nos	Polybag	9"to12"	25
GW-5-101	Malpighia coccigera	Barbados Cherry	Nos	Polybag	9"to12"	35
GW-5-102	Manihot esculentus	Variegated tapioca	Nos	Polybag	9"to12"	35
GW-5-103	Maranta Zebrina		Nos	Polybag	9"to12"	30
GW-5-104	Mentha veridis		Nos	Polybag	9"to12"	15
GW-5-105	Meyenia Erecta	Meena	Nos	Polybag	9"to12"	25
GW-5-106	Murraya Exotica	Kamini	Nos	Polybag	9"to12"	35
GW-5-107	Mussaenda erythrophylla	Red Single Mussaenda	Nos	Polybag	9"to12"	45
GW-5-108	Mussaenda erythrophylla	Orange Mussaenda	Nos	Polybag	9"to12"	44
GW-5-109	Mussaenda erythrophylla	Red Mussaenda	Nos	Polybag	9"to12"	43
GW-5-110	Mussaenda Phillipica	Pink Mussaenda	Nos	Polybag	9"to12"	43

GW-5-111	Mussaenda Phillipica	White Mussaenda	Nos	Polybag	9"to12"	45
GW-5-112	Mussaenda Lutea	Yellow Mussaenda	Nos	Polybag	9"to12"	45
GW-5-113	Mussaenda	Red Double Mussaenda	Nos	Polybag	9"to12"	70
GW-5-114	Nerium oleander album	White Kanher	Nos	Polybag	9"to12"	35
GW-5-115	Nerium oleander carnea	Pink Kanher	Nos	Polybag	9"to12"	35
GW-5-116	Nerium oleander variegata	Pink variegated Kanher	Nos	Polybag	9"to12"	36
GW-5-117	Nerium petit salmon	Dwarf Nerium	Nos	Polybag	9"to12"	37
GW-5-118	Oscimum scantum	Tulsi	Nos	Polybag	9"to12"	10
GW-5-119	Pachystachys lutea	Lolipop Plant	Nos	Polybag	9"to12"	28
GW-5-120	Pentas lanceolata alba	White Pentas	Nos	Polybag	9"to12"	28
GW-5-121	Pentas lanceolata carnea	Pink Pentas	Nos	Polybag	9"to12"	28
GW-5-122	Pentas karmesiana	Red Pentas	Nos	Polybag	9"to12"	24
GW-5-123	Phyllanthus nivosus	Snow Bush	Nos	Polybag	9"to12"	30
GW-5-124	Pisonia alba	Pisonia	Nos	Polybag	9"to12"	43
GW-5-125	Plumbago auriculata	Chitrak / Plumbago	Nos	Polybag	9"to12"	35
GW-5-126	Punica granatum cv. Nana	Mini Pomegranate	Nos	Polybag	9"to12"	25
GW-5-127	Ravenia spectabilis	Limonia	Nos	Polybag	9"to12"	35
GW-5-128	Russelia juncea	Weeping Mary	Nos	Polybag	9"to12"	25
GW-5-129	Russelia juncea Yellow	Weeping Mary	Nos	Polybag	9"to12"	25
GW-5-130	Tabernaemontana coron	Single / double Tagar	Nos	Polybag	9"to12"	22
GW-5-131	Philodendron Ceylon		Nos	Polybag	4" to 6"	15
GW-5-132	Phyllanthus		Nos	Polybag	4" to 6"	45
GW-5-133	Hemigraphis colorata	hemigraphis	Nos	Polybag	4" to 6"	25
GW-5-134	Pilea cadeiri	Aluminium plant	Nos	Polybag	4" to 6"	23
GW-5-135	Pilea microphylla		Nos	Polybag	4" to 6"	25
GW-5-136	Pilea muscosa		Nos	Polybag	4" to 6"	25
GW-5-137	Pilea serpyllacea		Nos	Polybag	4" to 6"	25
GW-5-138	Altanenthera	Red bhaji	Nos	Polybag	4" to 6"	20
GW-5-139	Altanenthera	White varigated	Nos	Polybag	4" to 6"	20
GW-5-140	Altanenthera	Red varigated	Nos			20
GW-5-141	Portulaca grandiflora	Office Time Double	Nos	Polybag	4" to 6"	20
GW-5-142	Portulaca olracea	Office Time	Nos	Polybag	4" to 6"	25
GW-5-143	Ficus repense	IVY variegated	Nos	Polybag	4" to 6"	35
GW-5-144	Fire firn red	Fire Firn Red	Nos	Polybag	4" to 6"	30
GW-5-145	Roheo discolor	Rhoeo Nana	Nos	Polybag	4" to 6"	25
GW-5-146	Roheo discolor	Rhoeo Tall	Nos	Polybag	4" to 6"	23
GW-5-147	Brahmi	Brahmi	Nos	Polybag	4" to 6"	21
GW-5-148	Schefflera		Nos	Polybag	4" to 6"	40
GW-5-149	Sedum S.		Nos	Polybag	4" to 6"	30
GW-5-150	Semecio contusus		Nos	Polybag	4" to 6"	40
GW-5-151	Setcracea purpurea	Purple Herb	Nos	Polybag	4" to 6"	28
GW-5-152	Spathiphyllum cupida/petite		Nos	Polybag	4" to 6"	55
GW-5-153	Tradescantia albiflora	Trade., ThickStrip	Nos	Polybag	4" to 6"	20
GW-5-154	Tradescantia fluminensis	Trade Thin Strip	Nos	Polybag	4" to 6"	20
GW-5-155	Spathiphyllum hybrid		Nos	Polybag	4" to 6"	60
GW-5-156	Mini tagar		Nos	Polybag	4" to 6"	35
GW-5-157	Thuja compacta		Nos	Polybag	4" to 6"	50
GW-5-158	Verbena		Nos	Polybag	4" to 6"	20
GW-5-159	Waddlea trilobata		Nos	Polybag	4" to 6"	20
GW-5-160	Zebrina pendula		Nos	Polybag		20
GW-5-161	Arundodonax veisicolor	Whit reed grass	Nos	Polybag	4" to 6"	50
GW-5-162	Ipomia batatus	Golden ipomia	Nos	Polybag	4" to 6"	20
GW-5-163	Lantena variegated	Variegated leaf	Nos	Polybag	4" to 6"	23
GW-5-164	Hypoestes sanguinolenta		Nos	Polybag	4" to 6"	30
	Ornamental plants					
GW-5-165	Bismarckia nobilis	Fan Palm (Silver)	Nos	Pot	2' to 3'	1000
GW-5-166	Bismarckia nobilis	Fan Palm (Silver)	Nos	Polybag	2' to 3'	925
GW-5-167	Aglaonema commutatum	Aglaonema Various Varieties	Nos	Polybag	9" to 12"	92

GW-5-168	Alpinia speciosa	Alpinia Yellow/White Variegated	Nos	Pot	2' to 3'	158
GW-5-169	Caladium hortulanum	Caladium (Red / White)	Nos	Polybag	9" to 12"	75
GW-5-170	Callistephus chinensis	China Aster	Nos	Polybag	9" to 12"	50
GW-5-171	Chamaedorea metallica	Metallic Palm	Nos	Pot	2' to 3'	450
GW-5-172	Chamaedorea metallica	Metallic Palm	Nos	Polybag	2' to 3'	317
GW-5-173	Chrysalidocarpus luteceus	Areca Palm	Nos	Pot	3' to 4'	455
GW-5-174	Chrysalidocarpus luteceus	Areca Palm	Nos	Polybag	3' to 4'	200
GW-5-175	Cycas revolute	Cycas	Nos	Pot	2' to 3'	2625
GW-5-176	Cycas revolute	Cycas	Nos	Polybag	2' to 3'	2250
GW-5-177	Cyrtostachys renda	Red Palm	Nos	Pot	2' to 3'	633
GW-5-178	Cyrtostachys renda	Red Palm	Nos	Polybag	2' to 3'	383
GW-5-179	Dieffenbachia Ceylon	Dieffenbachia Various Varieties	Nos	Polybag	9" to 12"	92
GW-5-180	Dracaena colorama	Dracaena Various Varieties	Nos	Polybag	9" to 12"	67
GW-5-181	Euphorbia pulcherrima	Poinsettia White, Pink, Red)	Nos	Polybag	9" to 12"	250
GW-5-182	Furcurea gigantea	Furcurea	Nos	Pot	2' to 3'	333
GW-5-183	Furcurea gigantea	Furcurea	Nos	Polybag	2' to 3'	1000
GW-5-184	Gerbera hybrids tissue culture	Gerbera (Various Colors)	Nos	Polybag	9" to 12"	75
GW-5-185	Impatiens walleriana	Sheddy Balsum perinial	Nos	Polybag	9" to 12"	53
GW-5-186	Ipomea harsifolia		Nos	Polybag	9"to 12"	33
GW-5-187	Jacquemontia		Nos	Polybag	9" to 12"	143
GW-5-188	Jasminum officinanal		Nos	Polybag	9" to 12"	28
GW-5-189	Kalanchoe blossfeldiana	Kalanchoe Pink, White, Red	Nos	Polybag	9" to 12"	50
GW-5-190	Monstera deliciosa		Nos	Polybag	9" to 12"	95
GW-5-191	Monstera obliqua		Nos	Polybag	9" to 12"	95
GW-5-192	Nephrolepis aurea	Fern Golden	Nos	Polybag	9" to 12"	75
GW-5-193	Nephrolepis biserrata	Fern Fish Tail	Nos	Polybag	9" to 12"	75
GW-5-194	Nephrolepis cordifolia	Fern Small leaf, Button Fern	Nos	Polybag	9" to 12"	60
GW-5-195	Passiflora carrulea	Krishna Kamal	Nos	Polybag	9" to 12"	28
GW-5-196	Perennial verbena		Nos	Polybag	9" to 12"	35
GW-5-197	Petunia grandiflora	Petunia (All Colors)	Nos	Polybag	6" to 9"	47
GW-5-198	Phonix palm		Nos	Polybag	3' to 5'	1525
GW-5-199	Pink singonium		Nos	Polybag	9" to 12"	40
GW-5-200	Piper betel		Nos	Polybag	9" to 12"	33
GW-5-201	Plumeria acutifolia		Nos	Polybag	3' to 5'	2500
GW-5-202	Plumeria alba		Nos	Polybag	3' to 5'	1750
GW-5-203	Plumeria rubra		Nos	Polybag	3' to 5'	2000
GW-5-204	Pyrostegia vemusta	Golden shower	Nos	Polybag	9" to 12"	25
GW-5-205	Quisqualis indica	Madhumalati	Nos	Polybag	9" to 12"	23
GW-5-206	Salvia splendens	Salvia (red, red white bracts, blue)	Nos	Polybag	9" to 12"	50
GW-5-207	Schampegne palm		Nos	Polybag	3' to 5'	2125
GW-5-208	Tagetes erecta	Marygold African & French	Nos	Polybag	9" to 12"	50
GW-5-209	Thunburgia fragrans		Nos	Polybag	9" to 12"	25
GW-5-210	Thunburgia laurifolia		Nos	Polybag	9" to 12"	25
GW-5-211	Vernena	Carpet creeper	Nos	Polybag	9" to 12"	33
GW-5-212	Vinca Spp. Hybrid	Vinca (White, Pink, Lavender)	Nos	Polybag	9" to 12"	57
GW-5-213	Washingtonia palm		Nos	Polybag	3' to 5'	3375
GW-5-214	Song Of India		Nos	Polybag	9" to 12"	92
GW-5-215	Ficus Purvula		Nos	Polybag	9" to 12"	37
GW-5-216	Cuphea Blue		Nos	Polybag	9" to 12"	21
GW-5-217	Zafer Lily		Nos	Polybag	9" to 12"	49
GW-5-218	Brassia Actinophylla		Nos	Polybag	9" to 12"	957
GW-5-219	Silver Yucca		Nos	Polybag	9" to 13"	431
GW-5-220	Ticoma Gavdi Chavdi		Nos	Polybag	9" to 12"	25
	Bamboo					
GW-5-221	Bambusa multiplex	Dwarf bambu	Nos	Polybag	9"to12"	45
GW-5-222	Bambusa Species	D bamboo green grass	Nos	Polybag	9"to12"	35
GW-5-223	Bambusa ventricosa	Buddha belly bamboo	Nos	Polybag	9"to12"	82

GW-5-224	Bambusa vulgaris	Golden bamboo	Nos	Polybag	9"to12"	99
	Trees					
GW-5-225	Lagerstomia indica	Crape Myrtal	Nos	Polybag	4' to 5'	35
GW-5-226	Lagerstomia tholie	Tamhan	Nos	Polybag	4' to 5'	23
GW-5-227	Lagerstomia falsereginie	Tamhan	Nos	Polybag	4' to 5'	23
GW-5-228	Lagerstomia speciosa	Jarul	Nos	Polybag	4' to 5'	23
GW-5-229	Acacia arubica	Babul	Nos	Polybag	4' to 5'	40
GW-5-230	Acacia mangium	Austrelian Acacia	Nos	Polybag	4' to 5'	125
GW-5-231	Adenсонia digitata	Gorukhchinch	Nos	Polybag	4' to 5'	140
GW-5-232	Adinantha pavonina	Ratnagunj	Nos	Polybag	4' to 5'	68
GW-5-233	Alstonia scholaris	Satveen, Davil's Tree	Nos	Polybag	4' to 5'	50
GW-5-234	Amoora rohituk	Rohituk	Nos	Polybag	4' to 5'	55
GW-5-235	Anthocephalus cadamba	Cadamba	Nos	Polybag	4' to 5'	55
GW-5-236	Areca catechu	Kath	Nos	Polybag	4' to 5'	55
GW-5-237	Azadiracta indica	Neem	Nos	Polybag	4' to 5'	102
GW-5-238	Baringtonia acutangula		Nos	Polybag	4' to 5'	55
GW-5-239	Baringtonia speciosa		Nos	Polybag	4' to 5'	68
GW-5-240	Bauhinia blackeana	Kanchan	Nos	Polybag	4' to 5'	68
GW-5-241	Bauhinia variegata	Kanchan	Nos	Polybag	4' to 5'	55
GW-5-242	Bignonia megapotomica	Kanchan	Nos	Polybag	4' to 5'	55
GW-5-243	Bombax mulbaricum	Kateshevar	Nos	Polybag	4' to 5'	55
GW-5-244	Brownia Coccinia		Nos	Polybag	4' to 5'	68
GW-5-245	Caesalpinia corairia	Dividivi	Nos	Polybag	4' to 5'	55
GW-5-246	Callistemon viminalis	Bottle brush	Nos	Polybag	4' to 5'	68
GW-5-247	Calophyllum inophyllum	Undi	Nos	Polybag	4' to 5'	43
GW-5-248	Cassia fistula	Amalas, Indian laburnum	Nos	Polybag	4' to 5'	190
GW-5-249	Cassia javanica	Java cassia	Nos	Polybag	4' to 5'	53
GW-5-250	Cassia marginata	Cassia	Nos	Polybag	4' to 5'	68
GW-5-251	Casurina equisitifolia	Casurina	Nos	Polybag	4' to 5'	45
GW-5-252	Ceba pentandra	Shevar	Nos	Polybag	4' to 5'	45
GW-5-253	Colvillea racemosa		Nos	Polybag	4' to 5'	52
GW-5-254	Cordia cebastina		Nos	Polybag	4' to 5'	60
GW-5-255	Cordia mixa	Bhokar	Nos	Polybag	4' to 5'	55
GW-5-256	Couropita guianensis		Nos	Polybag	4' to 5'	60
GW-5-257	Crysophyllum cynito		Nos	Polybag	4' to 5'	100
GW-5-258	Dalbargia sisoo		Nos	Polybag	4' to 5'	60
GW-5-259	Dellinia indica	Karmal	Nos	Polybag	4' to 5'	168
GW-5-260	Dellinia pentagyna		Nos	Polybag	4' to 5'	70
GW-5-261	Delonix regia	Gulmohar	Nos	Polybag	4' to 5'	113
GW-5-262	Derris indica (Pongamia pinnata)	Karanj	Nos	Polybag	4' to 5'	45
GW-5-263	Diospyrous embriopteris	Temburni	Nos	Polybag	4' to 5'	55
GW-5-264	Eagle murmelos	Bel	Nos	Polybag	4' to 5'	114
GW-5-265	Emblica officinalis		Nos	Polybag	4' to 5'	210
GW-5-266	Erithrina indica	Pangara	Nos	Polybag	4' to 5'	177
GW-5-267	Eucalyptus globosa	Nilgiri	Nos	Polybag	4' to 5'	148
GW-5-268	Ficus bengalensis	Wad	Nos	Polybag	4' to 5'	38
GW-5-269	Ficus panda		Nos	Polybag	4' to 5'	143
GW-5-270	Ficus religiosa	Pimple	Nos	Polybag	4' to 5'	55
GW-5-271	Filicium decipiens		Nos	Polybag	4' to 5'	68
GW-5-272	Garunia xanthochymus	Kokum	Nos	Polybag	4' to 5'	45
GW-5-273	Gliricidia muculata	Undirmar	Nos	Polybag	4' to 5'	45
GW-5-274	Gmelina arboria	Shivan	Nos	Polybag	4' to 5'	60
GW-5-275	Grevellia robusta		Nos	Polybag	4' to 5'	45
GW-5-276	Hardwikiya pinnata	Anjan	Nos	Polybag	4' to 5'	55
GW-5-277	Hetroptagrna roxburghii	Varus	Nos	Polybag	4' to 5'	60
GW-5-278	Holoptelia integrifolia		Nos	Polybag	4' to 5'	55
GW-5-279	Jakaranda mimosifolia	Nilmohar	Nos	Polybag	4' to 5'	50
GW-5-280	Kigelia pinnata	Sausage Tree	Nos	Polybag	4' to 5'	60

GW-5-281	Klenhovia hospital		Nos	Polybag	4' to 5'	60
GW-5-282	Lagerstroemia speciosa		Nos	Polybag	4' to 5'	55
GW-5-283	Malleleuka leucodendron	Bhojpatra	Nos	Polybag	4' to 5'	55
GW-5-284	Mangifera indica	Mango	Nos	Polybag	4' to 5'	128
GW-5-285	Messua fessea	Nagkeshar	Nos	Polybag	4' to 5'	187
GW-5-286	Michelia champaca	Son Chapha	Nos	Polybag	4' to 5'	161
GW-5-287	Millingtonia hortensis	Indian Cork, Aakash Neem	Nos	Polybag	4' to 5'	73
GW-5-288	Mimusops elengi	Bakul, Pagoda Tree	Nos	Polybag	4' to 5'	127
GW-5-289	Parkia biglandulosa	Tappo Phal	Nos	Polybag	4' to 5'	55
GW-5-290	Polyalthia longifolia	Spreading Ashok	Nos	Polybag	4' to 5'	237
GW-5-291	Polyalthia pendula	Ashok	Nos	Polybag	4' to 5'	181
GW-5-292	Pongamia glabra	Karanj	Nos	Polybag	4' to 5'	38
GW-5-293	Pterospermum acerifolium		Nos	Polybag	4' to 5'	45
GW-5-294	Putranjeeva roxburghii	Putranjeeva	Nos	Polybag	4' to 5'	45
GW-5-295	Samanea saman	Rain tree	Nos	Polybag	4' to 5'	117
GW-5-296	Saraka indica	Sita Ashok	Nos	Polybag	4' to 5'	133
GW-5-297	Spathodea companulata	Fountain Tree, Bahava	Nos	Polybag	4' to 5'	50
GW-5-298	Sterculia alata	Chinese Badam	Nos	Polybag	4' to 5'	48
GW-5-299	Sterculia foetida	Jangli Badam	Nos	Polybag	4' to 5'	190
GW-5-300	Swetania mohagani	Mohagani	Nos	Polybag	4' to 5'	48
GW-5-301	Sygium cumini		Nos	Polybag	4' to 5'	36
GW-5-302	Tabebuia rosea		Nos	Polybag	4' to 5'	55
GW-5-303	Tacoma argentina		Nos	Polybag	4' to 5'	73
GW-5-304	Tamarindus indica	Chinch	Nos	Polybag	4' to 5'	145
GW-5-305	Tectona grandis	Sagvan	Nos	Polybag	4' to 5'	57
GW-5-306	Terminalia arjuna	Arjuna, Sarda	Nos	Polybag	4' to 5'	55
GW-5-307	Terminalia catappa	Deshi Badam	Nos	Polybag	4' to 5'	45
	Settled Tall Trees					
GW-5-308	Alstonia scholaris	Satveen	Nos	Polybag	10' to 12'	542
GW-5-309	Anthocephalus cadamba	Kadamb	Nos	Polybag	10' to 12'	737
GW-5-310	Azadiracta indica	Neem	Nos	Polybag	10' to 12'	700
GW-5-311	Bahunia purpurea	Kanchan	Nos	Polybag	10' to 12'	575
GW-5-312	Barringtonia speciosa		Nos	Polybag	10' to 12'	5487
GW-5-313	Bottlepalm	Bottlepalm	Nos	Polybag	10' to 12'	1044
GW-5-314	Cassia fistula	Bahava	Nos	Polybag	10' to 12'	725
GW-5-315	Casurina equisetifolia	Casurina	Nos	Polybag	10' to 12'	575
GW-5-316	Cocos nucifera	Coconut	Nos	Polybag	10' to 12'	2567
GW-5-317	Cordia cebastina		Nos	Polybag	10' to 12'	575
GW-5-318	Delbergia sisoo	Shisam	Nos	Polybag	10' to 12'	625
GW-5-319	Fern Tree	Fern Tree	Nos	Polybag	10' to 12'	1600
GW-5-320	Ficus bengalensis	Wad	Nos	Polybag	10' to 12'	1017
GW-5-321	Ficus religiosa	Peepal	Nos	Polybag	10' to 12'	1017
GW-5-322	Foxtail palm	Foxtail palm	Nos	Polybag	10' to 12'	2350
GW-5-323	Gunj	Gunj	Nos	Polybag	10' to 12'	700
GW-5-324	Jacaranda mimosifolia	Neelmohar	Nos	Polybag	10' to 12'	450
GW-5-325	Kaijelia sp	Kaijelia	Nos	Polybag	10' to 12'	575
GW-5-326	Kokam	Kokam	Nos	Polybag	10' to 12'	700
GW-5-327	Largestromia indica	Taman	Nos	Polybag	10' to 12'	625
GW-5-328	Messuae ferrae	Nagkeshar	Nos	Polybag	10' to 12'	600
GW-5-329	Millingtonia hortensis	Aakashneem	Nos	Polybag	10' to 12'	575
GW-5-330	Mimosops elengi	Bakul	Nos	Polybag	10' to 12'	775
GW-5-331	Parkia biglandulosa	Chendu phal	Nos	Polybag	10' to 12'	500
GW-5-332	Peltophorum pheruginum	Peltophorum	Nos	Polybag	10' to 12'	873
GW-5-333	Spathodia companulatta	Fountain Tree	Nos	Polybag	10' to 12'	575
GW-5-334	Swetania mahogani	Mahogani	Nos	Polybag	10' to 12'	417
GW-5-335	Tabubia rosea	Tabubia	Nos	Polybag	10' to 12'	625
GW-5-336	Terminalia arjuna	Arjun	Nos	Polybag	10' to 12'	725
GW-5-337	Terminalia montana		Nos	Polybag	10' to 12'	500

GW-5-338	Thespecia populnia	Bhendi	Nos	Polybag	10' to 12'	410
GW-5-339	Thevetia	Bitti	Nos	Polybag	10' to 12'	575
	Lawns & Grasses					
GW-5-340	Citronella Sp.	Lemon Grass / Gavti	Nos	Polybag	9"to12"	25
GW-5-341	Cyperus alternifolius	Umbrella Grass	Nos	Polybag	9"to12"	30
GW-5-342	Clerodendrum inerme		Nos	Polybag	9"to12"	23
GW-5-343	Ophiopogon japonicus	Monkey Grass / Mondo	Nos	Polybag	9"to12"	23
GW-5-344	Ophiopogon jaburan	Ribbon Grass white	Nos	Polybag	9"to12"	24
GW-5-345	Paspalum notatum	Paspalum Lawn		Polybag	50 kg bag	250
GW-5-346	Pennisetum Nueppeli	Red Fountain Grass	Nos	Polybag	9"to12"	23
GW-5-347	Zoysia Species	Korean carpet	Nos	Polybag	50kg bag	265
	Miscellaneous items					
GW-5-348	Supply of diesel water tanker having (minimum 10,000 ltr. Capacity) with 3 labours for watering trees planted on various roads, central medians .min 500 trees in each trip at the rate 20 lts per tree, including cost of water		Shift			1700
GW-5-349	Supply of diesel water tanker having (minimum 10,000 ltr. Capacity) for watering garden T.I central median, afforestation with pump & 100 ft pipe including cost of water		Shift			1700
GW-5-350	Supply of lorry with 4 labours for transporting of 10 Cu. M. capacity for 1 shift.		Shift			2000
GW-5-351	Hiring of crane for transplanting of trees of 20 ton load capacity per shift without labour.		Shift			7500
GW-5-352	Hiring of crane for transplanting of trees of 25 ton load capacity per shift without labour.		Shift			8400
GW-5-353	Hiring of fork lift for transplanting of trees per shift without labour.		Shift			2500
GW-5-354	Supply of pockland J. C. B. with bucket.		Hour			960
GW-5-355	Supply of Cocopit.		Kg			10
GW-5-356	Supply of Vermicompost.		Kg			8
GW-5-357	Appointment of security guards in uniform round the clock in 3 shifts for Garden / R.G. / P.G. including stop gap arrangement at the time of weekly off of the security guard for a period of one month.		person / shift /Month			5000

Labour Rates 2013				
Sr. No.	Code	Description	Unit	Rate
1	LB-03	Assistant Plumber Skilled	Day	350
2	LB-05	Bhisti (Water Man)	Day	300
3	LB-13	Coolie/Mazdoor / Chowkidar/ Helper (Unskilled Male abour)	Day	300
4	LB-14	Electrician	Day	400
5	LB-20	Mali	Day	350
6	LB-21	Mason (brick layer) 1st class	Day	500
7	LB-22	Mason (brick layer) 2nd class	Day	400
8	LB-23	Mazdoor/Sweeper (female)	Day	300
9	LB-28	Painter first class	Day	450
10	LB-29	Plumber with tools 2nd class	Day	450
11	LB-32	Semi Skilled Labour (Beldar)	Day	350
12	LB-39	Tree cutter, semiskilled	Day	700