

WATER SUPPLY PROJECTS USoR 2023

WSP Schedule -Section 1			
Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-1-1	Clearing the land of all vegetation, stumps, removal of roots, cutting and disposal of the trees upto 30 cms. in girth.	Sqm	78
R3-WSP-1-2	Felling, logging, fashioning of timber and billeting of trunks and branches, stacking the material neatly nearby as directed, including removal of roots, etc. complete:		
R3-WSP-1-2-A	(a) Trees with girth above 30 cm Upto 100 cm	Nos	1303
R3-WSP-1-2-B	(b) Trees with girth above 100 cm Upto 200 cm	Nos	1767
R3-WSP-1-2-C	(c) Trees with girth above 200 cm	Nos	2606
R3-WSP-1-3	Transporting the cut trees to the store or wherever necessary and stacking the same as directed. A fully loaded truck can carry about 4.2 MT of wood in one trip.		
R3-WSP-1-3-A	(a) Upto a distance of 2 km	MT	580
R3-WSP-1-3-B	(b) Beyond 2 km upto 5 km	MT	727
R3-WSP-1-3-C	(c) Beyond 5 km upto 10 km	MT	1004



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Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
WSP Schedule -Section 2			
R3-WSP-2-1	Transporting within 500 m., laying in position to the correct line and level, M.S. Pipes with/without any out- coating on pedestals or chairs upon prepared formation. The rate to include loading, unloading, hoisting, marginal cutting wherever required, assembling and tack-welding complete as directed by Engineer-in -Charge. The diameter mentioned below shall be considered as clear internal diamater of pipe.		
R3-WSP-2-1-A	a) <u>5 mm. to 8 mm. thick plate</u>		
R3-WSP-2-1-A-1	i) Upto 250 mm. dia. pipe	Rmt	1158
R3-WSP-2-1-A-2	ii) Above 250 mm. upto 500 mm. dia pipe	Rmt	1177
R3-WSP-2-1-A-3	iii) “ 500 mm. “ 750 mm. “	Rmt	1272
R3-WSP-2-1-A-4	iv) “ 750 mm. “ 1000 mm. “	Rmt	1367
R3-WSP-2-1-A-5	v) “ 1000 mm. “ 1250 mm. “	Rmt	1747
R3-WSP-2-1-B	b) <u>Above 8 mm. upto 12 mm. thick plate</u>		
R3-WSP-2-1-B-1	i) From 750 mm. upto 1000 mm. dia. pipe	Rmt	1367
R3-WSP-2-1-B-2	ii) Above 1000 mm. upto 1250 mm. dia pipe	Rmt	1747
R3-WSP-2-1-B-3	iii) “ 1250 mm. “ 1500 mm. “	Rmt	2144
R3-WSP-2-1-B-4	iv) “ 1500 mm. “ 1750 mm. “	Rmt	2181
R3-WSP-2-1-B-5	v) “ 1750 mm. “ 2000 mm. “	Rmt	2721
R3-WSP-2-1-B-6	vi) “ 2000 mm. “ 2250 mm. “	Rmt	3241
R3-WSP-2-1-B-7	vii) “ 2250 mm. “ 2500 mm. “	Rmt	3266
R3-WSP-2-1-C	c) <u>Above 12 mm. upto 16 mm. thick plate.</u>		
R3-WSP-2-1-C-1	i) From 2000 mm. upto 2250 mm. dia.pipe.	Rmt	4051
R3-WSP-2-1-C-2	ii) Above 2250 mm.upto 2500 mm. dia.pipe.	Rmt	4083
R3-WSP-2-1-C-3	iii) 2500 “ 2750 “	Rmt	4526
R3-WSP-2-1-C-4	iv) “ 2750 mm. “ 3000 “	Rmt	4975
R3-WSP-2-1-C-5	v) “ 3000 mm. “ 3250 “	Rmt	5013
R3-WSP-2-1-C-6	vi) “ 3250 mm. “ 3500 “	Rmt	5051
R3-WSP-2-1-D	d) <u>Above 16 mm. upto 20 mm. thick plate.</u>		
R3-WSP-2-1-D-1	i) From 2500 mm.upto 2750 mm. dia. pipe	Rmt	4937
R3-WSP-2-1-D-2	ii) Above 2750 “ 3000 mm. “	Rmt	4975
R3-WSP-2-1-D-3	iii) “ 3000 “ 3250 “	Rmt	5013
R3-WSP-2-1-D-4	iv) “ 3250 “ 3500 “	Rmt	5051
R3-WSP-2-1-D-5	v) “ 3500 “ 3750 “	Rmt	7634
R3-WSP-2-1-D-6	vi) “ 3750 “ 4000 “	Rmt	10179
R3-WSP-2-1-E	e) <u>Above 20 mm. upto 25 mm. thick plate</u>		
R3-WSP-2-1-E-1	i) From 3500 mm. upto 3750 mm. dia.pipe	Rmt	7634
R3-WSP-2-1-E-2	ii) Above 3750 “ 4000 mm. “	Rmt	10179



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Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-2-2	Transporting within 500 mtrs. and laying in position to the correct line and level, M.S. specials with/without any out coating such as distance pieces, straps, bends, tapers, etc.as per specification on pedestals or chairs upon formation. The rate to include loading, unloading, hoisting, marginal cutting wherever required, assembling and tack-welding, complete directed by Engineer-in -Charge. The diameter mentioned below shall be considered as clear internal diamater of pipe		
R3-WSP-2-2-A	a) <u>5 mm. to 8 mm. thick plate.</u>		
R3-WSP-2-2-A-1	i) Upto 250 mm. dia. pipe	Rmt	1332
R3-WSP-2-2-A-2	ii) Above 250 mm. upto 500 mm. dia pipe	Rmt	1354
R3-WSP-2-2-A-3	iii) “ 500 mm. “ 750 mm. “	Rmt	1463
R3-WSP-2-2-A-4	iv) “ 750 mm. “ 1000 mm. “	Rmt	1573
R3-WSP-2-2-A-5	v) “ 1000 mm. “ 1250 mm. “	Rmt	2184
R3-WSP-2-2-B	b) <u>Above 8 mm. upto 12 mm. thick plate.</u>		
R3-WSP-2-2-B-1	i) From 750 mm. upto 1000 mm. dia. pipe	Rmt	1573
R3-WSP-2-2-B-2	ii) Above 1000 mm. upto 1250 mm. dia pipe	Rmt	2184
R3-WSP-2-2-B-3	iii) “ 1250 mm. “ 1500 mm. “	Rmt	2680
R3-WSP-2-2-B-4	iv) “ 1500 mm. “ 1750 mm. “	Rmt	2727
R3-WSP-2-2-B-5	v) “ 1750 mm. “ 2000 mm. “	Rmt	3402
R3-WSP-2-2-B-6	vi) 2000 “ 2250 “	Rmt	4052
R3-WSP-2-2-B-7	vii) 2250 “ 2500 “	Rmt	4573
R3-WSP-2-2-C	c) <u>Above 12 mm. upto 16 mm. thick plate.</u>		
R3-WSP-2-2-C-1	i) From 2000 mm. upto 2250 mm. dia. pipe	Rmt	5064
R3-WSP-2-2-C-2	ii) Above 2250 “ 2500 “	Rmt	5717
R3-WSP-2-2-C-3	iii) “ 2500 “ 2750 “	Rmt	6337
R3-WSP-2-2-C-4	iv) “ 2750 “ 3000 “	Rmt	6965
R3-WSP-2-2-C-5	v) 3000 “ 3250 “	Rmt	7019
R3-WSP-2-2-C-6	vi) “ 3250 “ 3500 “	Rmt	7072
R3-WSP-2-2-D	d) <u>Above 16 mm. upto 20 mm. thick plate</u>		
R3-WSP-2-2-D-1	i) From 2250 mm. upto 2750 mm. dia. pipe.	Rmt	6912
R3-WSP-2-2-D-2	ii) Above 2750 mm. “ 3000 mm. “	Rmt	6965
R3-WSP-2-2-D-3	iii) “ 3000 mm. “ 3250 mm. “	Rmt	7019
R3-WSP-2-2-D-4	iv) “ 3250 mm. “ 3500 mm. “	Rmt	7072
R3-WSP-2-2-D-5	v) “ 3500 mm. “ 3750 mm. “	Rmt	10688
R3-WSP-2-2-D-6	vi) “ 3750 mm. “ 4000 mm. “	Rmt	14251
R3-WSP-2-2-E	e) <u>Above 20 mm. upto 25 mm. thick plate.</u>		
R3-WSP-2-2-E-1	i) From 3500 mm. upto 3750 mm. dia. pipe.	Rmt	10688
R3-WSP-2-2-E-2	ii) Above 3750 mm. “ 4000 mm. “	Rmt	14251



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Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-2-3	Transporting within 500 meters and laying in position to the correct line and level M.S. Pipe with/without any out coating on pedestals or chairs upon piers, trestles, etc. The rate to include loading, unloading, hoisting, marginal cutting wherever required, assembling and tack-welding complete directed by Engineer-in -Charge. The diameter mentioned below shall be considered as clear internal diameter of pipe		
R3-WSP-2-3-A	a) <u>5 mm. to 8 mm. thick plate</u>		
R3-WSP-2-3-A-1	i) Upto 250 mm. dia. pipe.	Rmt	1268
R3-WSP-2-3-A-2	ii) Above 250 mm. upto 500 mm. dia. Pipe.	Rmt	1277
R3-WSP-2-3-A-3	iii) “ 500 mm. “ 750 mm. “	Rmt	1389
R3-WSP-2-3-A-4	iv) “ 750 mm. “ 1000 “	Rmt	1492
R3-WSP-2-3-A-5	v) “ 1000 mm. “ 1250 “	Rmt	1907
R3-WSP-2-3-B	b) <u>Above 8 mm. upto 12 mm. thick plate.</u>		
R3-WSP-2-3-B-1	i) From 750 mm. upto 1000 mm. dia. pipe.	Rmt	1492
R3-WSP-2-3-B-2	ii) Above 1000 “ 1250 “	Rmt	1907
R3-WSP-2-3-B-3	iii) “ 1250 “ 1500 “	Rmt	2338
R3-WSP-2-3-B-4	iv) “ 1500 “ 1750 “	Rmt	2355
R3-WSP-2-3-B-5	v) “ 1750 “ 2000 “	Rmt	2943
R3-WSP-2-3-B-6	vi) “ 2000 “ 2250 “	Rmt	3532
R3-WSP-2-3-B-7	vii) “ 2250 “ 2500 “	Rmt	3557
R3-WSP-2-3-C	c) <u>Above 12 mm. upto 16 mm. thick plate.</u>		
R3-WSP-2-3-C-1	i) From 2000 mm. upto 2250 mm. dia. pipe	Rmt	4415
R3-WSP-2-3-C-2	ii) Above 2250 “ 2500 mm. “	Rmt	4447
R3-WSP-2-3-C-3	iii) “ 2500 “ 2750 mm. “	Rmt	4926
R3-WSP-2-3-C-4	iv) “ 2750 “ 3000 mm. “	Rmt	5412
R3-WSP-2-3-C-5	v) “ 3000 “ 3250 mm. “	Rmt	5450
R3-WSP-2-3-C-6	vi) “ 3250 “ 3500 mm. “	Rmt	5488
R3-WSP-2-3-D	d) <u>Above 16 mm. upto 20 mm. thick plate.</u>		
R3-WSP-2-3-D-1	i) From 2500 mm. upto 2750 mm. dia. pipe	Rmt	5374
R3-WSP-2-3-D-2	ii) Above 2750 “ 3000 mm. “	Rmt	5412
R3-WSP-2-3-D-3	iii) “ 3000 “ 3250 mm. “	Rmt	5450
R3-WSP-2-3-D-4	iv) “ 3250 “ 3500 mm. “	Rmt	5488
R3-WSP-2-3-D-5	v) “ 3500 “ 3750 mm. “	Rmt	8290
R3-WSP-2-3-D-6	vi) “ 3750 “ 4000 mm. “	Rmt	11053
R3-WSP-2-3-E	e) <u>Above 20 mm. upto 25 mm. thick plate</u>		
R3-WSP-2-3-E-1	i) From 3500 mm. upto 3750 mm. dia. pipe.	Rmt	8290
R3-WSP-2-3-E-2	ii) Above 3750 mm. “ 4000 mm. “	Rmt	11053



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Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-2-4	Transporting within 500 mtrs. and laying in position to the correct line and level, M.S. Specials such as distance pieces, straps, bends, tapers, etc. as per specification on pedestals or chairs upon piers or trestles, etc. The rate to include loading, unloading, hoisting, marginal cutting wherever required, assembling and tack-welding, complete as directed by Engineer-in-Charge. The diameter mentioned below shall be considered as clear internal diameter of pipe		
R3-WSP-2-4-A	<u>a) 5 mm. to 8 mm. thick plate.</u>		
R3-WSP-2-4-A-1	i) Upto 250 mm. dia. pipe.	Rmt	1459
R3-WSP-2-4-A-2	ii) Above 250 mm. upto 500 mm. dia. pipe.	Rmt	1469
R3-WSP-2-4-A-3	iii) “ 500 mm. “ 750 “	Rmt	1598
R3-WSP-2-4-A-4	iv) “ 750 mm. “ 1000 “	Rmt	1716
R3-WSP-2-4-A-5	v) “ 1000 mm. “ 1250 “	Rmt	2384
R3-WSP-2-4-B	<u>b) Above 8 mm. upto 12 mm. thick plate</u>		
R3-WSP-2-4-B-1	i) From 750 mm. upto 1000 mm. dia. pipe.	Rmt	1716
R3-WSP-2-4-B-2	ii) Above 1000 “ 1250 mm. “	Rmt	2384
R3-WSP-2-4-B-3	iii) “ 1250 “ 1500 “	Rmt	2923
R3-WSP-2-4-B-4	iv) “ 1500 “ 1750 “	Rmt	2944
R3-WSP-2-4-B-5	v) “ 1750 “ 2000 “	Rmt	3679
R3-WSP-2-4-B-6	vi) “ 2000 “ 2250 “	Rmt	4415
R3-WSP-2-4-B-7	vii) “ 2250 “ 2500 “	Rmt	4980
R3-WSP-2-4-C	<u>c) Above 12 mm. upto 16 mm. thick plate.</u>		
R3-WSP-2-4-C-1	i) From 2000 mm. upto 2250 mm. dia. pipe	Rmt	5519
R3-WSP-2-4-C-2	ii) Above 2250 “ 2500 “	Rmt	6226
R3-WSP-2-4-C-3	iii) “ 2500 “ 2750 “	Rmt	6897
R3-WSP-2-4-C-4	iv) “ 2750 “ 3000 “	Rmt	7577
R3-WSP-2-4-C-5	v) “ 3000 “ 3250 “	Rmt	7630
R3-WSP-2-4-C-6	vi) “ 3250 “ 3500 “	Rmt	7684
R3-WSP-2-4-D	<u>d) Above 16 mm. upto 20 mm. thick plate.</u>		
R3-WSP-2-4-D-1	i) From 2500 mm. upto 2750 mm. dia. pipe.	Rmt	7524
R3-WSP-2-4-D-2	ii) Above 2750 “ 3000 “	Rmt	7577
R3-WSP-2-4-D-3	iii) “ 3000 “ 3250 “	Rmt	7630
R3-WSP-2-4-D-4	iv) “ 3250 “ 3500 “	Rmt	7684
R3-WSP-2-4-D-5	v) “ 3500 “ 3750 “	Rmt	11606
R3-WSP-2-4-D-6	vi) “ 3750 “ 4000 “	Rmt	15475
R3-WSP-2-4-E	<u>e) Above 20 mm. upto 25 mm. thick plate.</u>		
R3-WSP-2-4-E-1	i) From 3500 mm. upto 3750 mm. dia. pipe.	Rmt	11606
R3-WSP-2-4-E-2	ii) Above 3750 “ 4000 “	Rmt	15475



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Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-2-5	Transporting within 500 meters, laying in position to the correct line and level, M.S. pipes with/without any outcoating on prepared bedding in trenches including marginal cutting wherever required, assembling, tack welding the same. The rate to include loading, unloading, hoisting, etc. complete as directed by Engineer-in - Charge. The diameter mentioned below shall be considered as clear internal diamater of pipe		
R3-WSP-2-5-B	<u>b) Above 8 mm. Upto 12 mm. thick plate.</u>		
R3-WSP-2-5-B-6	vi) Above 2000 mm. “ 2250 mm. dia. pipe	Rmt	4861
R3-WSP-2-5-B-7	vii) “ 2250 mm. “ 2500 mm. “	Rmt	4899
R3-WSP-2-5-C	<u>c) Above 12 mm. upto 16 mm. thick plate.</u>		
R3-WSP-2-5-C-1	i) From 2000 mm. upto 2250 mm. dia. pipe.	Rmt	4861
R3-WSP-2-5-C-2	ii) Above 2250 “ 2500 “	Rmt	4899
R3-WSP-2-5-C-3	iii) “ 2500 “ 2750 “	Rmt	4937
R3-WSP-2-5-C-4	iv) “ 2750 “ 3000 “	Rmt	4975
R3-WSP-2-5-C-5	v) “ 3000 “ 3250 “	Rmt	5013
R3-WSP-2-5-C-6	vi) “ 3250 “ 3500 “	Rmt	5051
R3-WSP-2-5-D	<u>d) Above 16 mm. upto 20 mm. thick plate.</u>		
R3-WSP-2-5-D-1	i) From 2500 mm. upto 2750 mm. dia. pipe.	Rmt	4937
R3-WSP-2-5-D-2	ii) Above 2750 “ 3000 “	Rmt	4975
R3-WSP-2-5-D-3	iii) “ 3000 “ 3250 “	Rmt	5013
R3-WSP-2-5-D-4	iv) “ 3250 “ 3500 “	Rmt	5051
R3-WSP-2-5-D-5	v) “ 3500 “ 3750 “	Rmt	7634
R3-WSP-2-5-D-6	vi) “ 3750 “ 4000 “	Rmt	10179
R3-WSP-2-5-E	<u>e) Above 20 mm. upto 25 mm. thick plate.</u>		
R3-WSP-2-5-E-1	i) From 3500 mm. upto 3750 mm. dia. pipe.	Rmt	7634
R3-WSP-2-5-E-2	ii) Above 3750 “ 4000 “	Rmt	10179
R3-WSP-2-6			
R3-WSP-2-6-B	<u>b) Above 8 mm. Upto 12 mm. thick plate.</u>		
R3-WSP-2-6-B-6	vi) Above 2000 mm. “ 2250 mm. dia. pipe	Rmt	6077
R3-WSP-2-6-B-7	vii) “ 2250 mm. “ 2500 mm. “	Rmt	6859
R3-WSP-2-6-C	<u>c) Above 12 mm. upto 16 mm. thick plate.</u>		
R3-WSP-2-6-C-1	i) From 2000 mm. upto 2250 mm. dia. pipe.	Rmt	6077
R3-WSP-2-6-C-2	ii) Above 2250 “ 2500 “	Rmt	6859
R3-WSP-2-6-C-3	iii) “ 2500 “ 2750 “	Rmt	6912
R3-WSP-2-6-C-4	iv) “ 2750 “ 3000 “	Rmt	6965
R3-WSP-2-6-C-5	v) “ 3000 “ 3250 “	Rmt	7019
R3-WSP-2-6-C-6	vi) “ 3250 “ 3500 “	Rmt	7072
R3-WSP-2-6-D	<u>d) Above 16 mm. upto 20 mm. thick plate.</u>		
R3-WSP-2-6-D-1	i) From 2500 mm. upto 2750 mm. dia. pipe.	Rmt	6912
R3-WSP-2-6-D-2	ii) Above 2750 “ 3000 “	Rmt	6965
R3-WSP-2-6-D-3	iii) “ 3000 “ 3250 “	Rmt	7019



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Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-2-6-D-4	iv) “ 3250 “ 3500 “	Rmt	7072
R3-WSP-2-6-D-5	v) “ 3500 “ 3750 “	Rmt	10688
R3-WSP-2-6-D-6	vi) “ 3750 “ 4000 “	Rmt	14251
R3-WSP-2-6-E	e) Above 20 mm. upto 25 mm. thick plate.		
R3-WSP-2-6-E-1	i) From 3500 mm. upto 3750 mm. dia. pipe.	Rmt	10688
R3-WSP-2-6-E-2	ii) Above 3750 “ 4000 “	Rmt	14251
R3-WSP-2-7	Field welding in all position with required number of runs, for M.S. pipes internally and/or externally including gausing wherever necessary, fixing appurtenances and other accessories in connection of pipe laying work as directed by Engineer-in -Charge		
R3-WSP-2-7-A	A)Butt Joints		
R3-WSP-2-7-A-1	h) 14 mm	Rmt	3268
R3-WSP-2-7-A-2	i) 16 mm	Rmt	3657
R3-WSP-2-7-A-3	j) 18 mm	Rmt	3702
R3-WSP-2-7-A-4	k) 20 mm	Rmt	4046
R3-WSP-2-7-A-5	l) 22 mm	Rmt	4590
R3-WSP-2-7-A-6	m) 25 mm	Rmt	6704
R3-WSP-2-7-B	B)Lap Joints with convex fillet welds:		
R3-WSP-2-7-B-1	f) 14 mm	Rmt	1867
R3-WSP-2-7-B-2	g) 16 mm	Rmt	2334
R3-WSP-2-7-B-3	h) 18 mm	Rmt	2568
R3-WSP-2-7-B-4	i) 20 mm	Rmt	5368
R3-WSP-2-7-B-5	j) 22 mm	Rmt	6179
R3-WSP-2-7-B-6	k) 25 mm	Rmt	8582
R3-WSP-2-8	Shifting and aligning ring girders including removing tack welds, and retacking in the correct position etc. complete as per specifications for the pipes of diameters mentioned below and as directed by Engineer-in -Charge		
R3-WSP-2-8-A-1	a) Above 1000 mm. upto 1250 mm.	Nos	3355
R3-WSP-2-8-A-2	b) “ 1250 “ 1500 “	Nos	4100
R3-WSP-2-8-A-3	c) “ 1500 “ 1750 “	Nos	4846
R3-WSP-2-8-A-4	d) “ 1750 “ 2000 “	Nos	5591
R3-WSP-2-8-A-5	e) “ 2000 “ 2250 “	Nos	6337
R3-WSP-2-8-A-6	f) “ 2250 “ 2500 “	Nos	7082
R3-WSP-2-8-A-7	g) “ 2500 “ 2750 “	Nos	7827
R3-WSP-2-8-A-8	h) Above 2750 mm. upto 3000 mm.	Nos	8573
R3-WSP-2-8-A-9	i) ” 3000 “ 3250 “	Nos	9318
R3-WSP-2-8-A-10	j) “ 3250 “ 3500 “	Nos	10064
R3-WSP-2-8-A-11	k) “ 3500 “ 3750 “	Nos	10809
R3-WSP-2-8-A-12	l) “ 3750 “ 4000 “	Nos	11555



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Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-2-9	Transporting within 500 meters and fixing in position stools, base plates, roller sets, grease box covers, etc. including welding wherever necessary. The rate also to include fixing stools, base plates, etc. in true line and level connecting the base plate to anchor bolts by flush welding including cutting the bolts, if required, assembling and aligning C.I. or M.S. roller sets of any sizes including oiling, greasing, etc. The rate also to include the cost of fixing in position and grouting the anchor bolts, welding of two halves of grease box covers as directed, complete, for pipes of diameters mentioned below and as directed by Engineer-in -Charge		
R3-WSP-2-9--1	a) Above 1000 mm. upto 1250 mm.	Pair	5546
R3-WSP-2-9--2	b) “ 1250 “ 1500 “	Pair	6778
R3-WSP-2-9--3	c) “ 1500 “ 1750 “	Pair	8010
R3-WSP-2-9--4	d) “ 1750 “ 2000 “	Pair	9243
R3-WSP-2-9--5	e) “ 2000 “ 2250 “	Pair	10475
R3-WSP-2-9--6	f) “ 2250 “ 2500 “	Pair	11707
R3-WSP-2-9--7	g) “ 2500 “ 2750 “	Pair	12939
R3-WSP-2-9--8	h) “ 2750 “ 3000 “	Pair	14172
R3-WSP-2-9--9	i) “ 3000 “ 3250 “	Pair	15404
R3-WSP-2-9--10	j) “ 3250 “ 3500 “	Pair	16636
R3-WSP-2-9--11	k) “ 3500 “ 3750 “	Pair	17869
R3-WSP-2-9--12	l) “ 3750 “ 4000 “	Pair	19101
R3-WSP-2-10	Transporting within 500 metres and aligning, fixing in position and tack welding expansion joints suitable for pipeline of diameters mentioned below as directed by Engineer-in -Charge		
R3-WSP-2-10--1	a) Above 1000 mm. upto 1250 mm.	Nos	7402
R3-WSP-2-10--2	b) “ 1250 “ 1500 “	Nos	9047
R3-WSP-2-10--3	c) “ 1500 “ 1750 “	Nos	10692
R3-WSP-2-10--4	d) “ 1750 “ 2000 “	Nos	12337
R3-WSP-2-10--5	e) “ 2000 “ 2250 “	Nos	13981
R3-WSP-2-10--6	f) “ 2250 “ 2500 “	Nos	15626
R3-WSP-2-10--7	g) “ 2500 “ 2750 “	Nos	17271
R3-WSP-2-10--8	h) “ 2750 “ 3000 “	Nos	18916
R3-WSP-2-10--9	i) “ 3000 “ 3250 “	Nos	20561
R3-WSP-2-10--10	j) “ 3250 “ 3500 “	Nos	22205
R3-WSP-2-10--11	k) “ 3500 “ 3750 “	Nos	23850
R3-WSP-2-10--12	l) “ 3750 “ 4000 “	Nos	25495
R3-WSP-2-11	Transporting within 500 meters, aligning and fixing in position and tack welding only including marginal cutting, supplying and providing rubber packing, etc. where necessary and as directed by Engineer-in -Charge		



WATER SUPPLY PROJECTS USoR 2023

Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-2-11-A	A) Minor fixtures such as manhole covers, pressure and non-pressure type blank flanges, loose flange, small pipes to form saddle, bypass arrangement, plug plates, ladders, platform, stiffener rings, etc.	MT	51056
R3-WSP-2-11-B	B) Major fixture such as Tees, Domes, 'Y' Branches, Insulating flange ring assembly, etc.	MT	51056
R3-WSP-2-12	Transporting within 500 meters, hoisting, lowering in position, fixing in true plumb and level, following appurtenances complete as per drawing and specifications. The rate to include cost of spun yarn, fibre, asbestos ring, rubber packing, white zinc paint, making lead joints including supply of lead for all the sluice valves from 150 mm. dia. to 1200 mm. dia. and other necessary materials for making joints :-		
R3-WSP-2-12-A	<u>i) Sluice valves:-</u>		
R3-WSP-2-12-A-1	a) 1200 mm. dia.	Nos	57255
R3-WSP-2-12-A-2	b) 900 “	Nos	57255
R3-WSP-2-12-A-3	c) 750 “	Nos	57255
R3-WSP-2-12-A-4	d) 600 “	Nos	57255
R3-WSP-2-12-A-5	e) 450 “	Nos	30343
R3-WSP-2-12-A-6	f) 300 “	Nos	30343
R3-WSP-2-12-A-7	g) 200 to 250 mm. dia.	Nos	30343
R3-WSP-2-12-A-8	h) 150 mm. dia.	Nos	16232
	Note:- The rebate as follows will be taken for providing rubber packing instead of lead joints for fixing sluice valves.		
R3-WSP-2-12-A-9	1200 mm dia.	Nos	28628
R3-WSP-2-12-A-10	900 mm dia.	Nos	28628
R3-WSP-2-12-A-11	750 mm dia.	Nos	28628
R3-WSP-2-12-A-12	600 mm dia.	Nos	28628
R3-WSP-2-12-A-13	450 mm dia.	Nos	15172
R3-WSP-2-12-A-14	300 mm dia.	Nos	15172
R3-WSP-2-12-A-15	200 to 250 mm dia.	Nos	15172
R3-WSP-2-12-A-16	150 mm dia.	Nos	8116
R3-WSP-2-12-B	<u>ii) Anti vacuum air valves:-</u>		
R3-WSP-2-12-B-1	a) 380 mm. dia.	Nos	15172
R3-WSP-2-12-C	<u>iii) Scour valves(sluice valves)</u>		
R3-WSP-2-12-C-1	a) 300 mm. dia.	Nos	30343
R3-WSP-2-12-C-2	b) 230 “	Nos	30343
R3-WSP-2-12-C-3	c) 150 “	Nos	16232
R3-WSP-2-12-D	<u>iv) Kinetic Air Valves with sluice valve:-</u>		
R3-WSP-2-12-D-1	a) 200 mm. dia.	Nos	30343



WATER SUPPLY PROJECTS USoR 2023

Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-2-12-D-2	b) 150 “	Nos	16232
R3-WSP-2-12-D-3	c) 80 “	Nos	16232
R3-WSP-2-13	Transporting appurtenances or any other fabricated steel materials including loading, unloading, etc. complete upto 2 km.	MT	2114
R3-WSP-2-14	Extra over the above rate of Item No. WSP-2-13 for transporting the material beyond 2 km.	MT/Km	1820
R3-WSP-2-15	Providing M.S. bar mesh (prepared out of 16 mm. dia. M.S. bars at 15 cms. C/c. both ways welded to flange ring including tack welding of bars and fixing the same with nuts and bolts on open faces of outlet/inlet pipes in the sump of the reservoir etc. complete as directed.	MT	76464
R3-WSP-2-16	Providing permanent test points on the pipeline as per drawing and as directed including providing and fixing sluice valves road boxes for sluice valves of size 80 mm. to 250 mm. dia. in one-brick masonry chamber 300 mm. x 300 mm. clear, in C.M. 1:5 and 12 mm. thick 1:3 cement plaster both inside and outside on M 10 c.c. 150 mm. thick etc. complete as specified and directed.	Nos	35051
R3-WSP-2-17	Transporting within 200 Mts. Hoisting, lowering in position, fixing in true plumb and level, butterfly valves including fixing flange adapter, actuators etc. as per drawing and specifications. (All materials to be installed will be supplied by the Corporation).		
R3-WSP-2-17-1	i) 600 mm. dia.	Nos	42524
R3-WSP-2-17-2	ii) 750 “	Nos	42524
R3-WSP-2-17-3	iii) 900 “	Nos	42524
R3-WSP-2-17-4	iv) 1200 “	Nos	42524
R3-WSP-2-17-5	v) 1400 “	Nos	44048
R3-WSP-2-17-6	vi) 1800 “	Nos	44048
R3-WSP-2-17-7	vii) 2400 “	Nos	44048



WATER SUPPLY PROJECTS USoR 2023

Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-2-18	a) Hydraulic testing of M.S. Pipeline to the specified pressure for the length upto 1 km. using reciprocating type pumps which should be able to provide specified test pressure, pressure gauges, & other necessary equipments labour, operation charges, etc. required testing. The rate under this item shall also include cost of re-testing if necessary. Water will be made available free of cost by MCGM for first testing and water charges will be borne by contractor for re-testing.		
R3-WSP-2-18-A	<u>Dia of pipeline</u>		
R3-WSP-2-18-A-1	i) 600 mm. dia.	km	50165
R3-WSP-2-18-A-2	ii) 750 “	km	51596
R3-WSP-2-18-A-3	iii) 900 “	km	53345
R3-WSP-2-18-A-4	iv) 1050 “	km	55413
R3-WSP-2-18-A-5	v) 1200 “	km	57799
R3-WSP-2-18-A-6	vi) 1500 “	km	65049
R3-WSP-2-18-A-7	vii) 1800 “	km	72047
R3-WSP-2-18-A-8	viii) 2235 “	km	84454
R3-WSP-2-18-A-9	ix) 2500 “	km	93323
R3-WSP-2-18-A-10	x) 2750 “	km	102601
R3-WSP-2-18-A-11	xi) 3000 “	km	112762
R3-WSP-2-18-A-12	xi) 3600 “	km	140754
R3-WSP-2-18-A-13	xi) 4000 “	km	162242
	Additional part thereof		
R3-WSP-2-18-B	<u>Dia of pipeline</u>		
R3-WSP-2-18-B-1	i) 600 mm. dia.	km	5017
R3-WSP-2-18-B-2	ii) 750 “	km	5160
R3-WSP-2-18-B-3	iii) 900 “	km	5335
R3-WSP-2-18-B-4	iv) 1050 “	km	5542
R3-WSP-2-18-B-5	v) 1200 “	km	5780
R3-WSP-2-18-B-6	vi) 1500 “	km	6505
R3-WSP-2-18-B-7	vii) 1800 “	km	7205
R3-WSP-2-18-B-8	viii) 2235 “	km	8446
R3-WSP-2-18-B-9	ix) 2500 “	km	9333
R3-WSP-2-18-B-10	x) 2750 “	km	10261
R3-WSP-2-18-B-11	xi) 3000 “	km	11277
R3-WSP-2-18-B-12	xi) 3600 “	km	14076
R3-WSP-2-18-B-13	xi) 4000 “	km	16225
R3-WSP-2-19	Providing and Applying Cement mortar lining of specified thickness with proportion of cement-sand ratio (1:1) by weight for underground and aboveground pipeline by mechanical trowelling i.e. with the use of mortar lining machine and including curing etc. complete as per specification and as directed by Engineer-in - Charge	Sqm	447



WATER SUPPLY PROJECTS USoR 2023

Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-2-20	Providing Cement mortar lining of specified thickness of 12mm with proportion of cement-sand ratio (1: 1) by weight for underground and aboveground pipeline such as bends, tapers,cross connections,dipping where machine lining is not possible,by hand lining including curing etc.as per specification and as directed by Engineer-in -Charge	Sqm	634
R3-WSP-2-20A	Transporting butterfly valves with all accessories including flange-adaptors etc. from Municipal stores to the work site including loading, unloading etc. complete.	Nos.	1026
R3-WSP-2-20B	Extra over the above rate of E20A for loading and unloading with the help of crane and taking out insurance towards damage during loading , unloading and transporting etc. complete.	Nos.	506
R3-WSP-2-21	Scraping & cleaning of the interior surface of pipeline either manually or by any other suitable technique such as mechanical scrapper to remove all rust, dirt, silts,scales, tuberculosis etc. including flushing with water and dewatering the flushed water so obtained ,artificial drying of internal surface and disposing off the residue as per specification and direction complete as directed by Engineer-in -Charge	Sqm	110
R3-WSP-2-22	Making access opening on all sizes of underground pipeline. The work includes excavation, shoring, providing flat stiffners of required size and shape, dewatering,hand lining from inside, cutting pipes, welding back the pipe pieces, taking out cutholes or suitable size circular opening for internal welding of access opening and closing the circular opening etc. as per specification and direction complete as directed by Engineer-in -Charge	Nos	18560
R3-WSP-2-23	Making 600 m.m. dia. manhole access opening on all sizes of underground pipeline. The work includes excavation , shoring, dewatering, providing doublers of required size but includes cutting pipes, welding back the pipe pieces,and painting with one coat of zinc rich epoxy primer and 3 coats of inertol of 49 W thick or equivalent approved paint internally as per specification and direction complete as directed by Engineer-in -Charge	Nos	17264



WATER SUPPLY PROJECTS USoR 2023

Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
WSP Schedule -Section 3			
R3-WSP-3-1	Providing and applying two component (DFT-100 Micron Minimum) Amine or polyamide cured surface Tolerant Epoxy Primer on external surface of water trunk main, ring girders, stools and roller cover etc. using best quality brush/ airless spray with best workmanship and in approved manner as per detailed technical specification and directions at site to get uniform film with recommended Dry Film Thickness through out exterior surface. etc. complete as per specifications and as directed by Engineer-in -Charge.	Sqm	127
R3-WSP-3-2	Providing and applying two component high build epoxy barrier/tie coat after curing of previous epoxy primer coat on external surface of water trunkmain, ring girders, stools and roller cover etc. using best quality brush / roller and spray with best workmanship and in approved manner as per detailed technical specification and directions at site to get uniform film with Dry film thickness of 125 micron through out exterior surface.etc. complete as per specifications and as directed by Engineer-in -Charge	Sqm	111
R3-WSP-3-3	Providing and applying two Component polyurethane finish coat on previous epoxy primer & finish coat on external surface of water trunkmain, ring girders, stools and roller cover etc. using best quality brush / roller and spray with best workmanship and in approved manner as per detailed technical specification and directions at site to get uniform film with minimum Dry Film Thickness of 50 micron through out exterior surface.etc. complete as per specifications and as directed by Engineer-in -Charge.	Sqm	103



WATER SUPPLY PROJECTS USoR 2023

Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-3-4	Cleaning of exterior surface of mild steel water trunkmain, ring girders, stools & roller covers etc. mechanically by means of power wire brushes, mechanical scrapper, using power tools for cleaning including removing all the dust, dirt, loose rust / corrosion scale, loose paint flakes, oil / grease and any other foreign substances deposited completely from the surface and preparing the surface totally clean, smooth and uniform.etc. complete as per specifications and as directed by Engineer-in -Charge	Sqm	92
R3-WSP-3-5	Providing and applying 1 coat of a two component solvent- free food grade epoxy coating achieving a minimum dry film thickness of 500 microns internally to pipelines as per specification	Sqm	1915



WATER SUPPLY PROJECTS USoR 2023

Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
WSP Schedule -Section 4			
R3-WSP-4-1	Providing colcrete bedding for flooring (with contractors' rubble and Metal) in cement mortar 1:3	Cum	4043
R3-WSP-4-2	Providing colgrout flooring (with contractors rubble and metal) in 1:3 cement sand mortar including finishing the surface with grout floating as per specifications :		
R3-WSP-4-2-A	a) 150 mm. thick	Sqm	606
R3-WSP-4-2-B	b) 230 mm. thick	Sqm	923
R3-WSP-4-3	Providing and laying R.C.C. spun pipes for drains including jointing, caulking, etc. as directed. (NP2 Class for 150mm to 300mm) and (NP3 class for 450mm to 900mm)		
R3-WSP-4-3-1	a) 150 mm.	Rmt	deleted
R3-WSP-4-3-2	b) 250 mm.	Rmt	deleted
R3-WSP-4-3-3	c) 300 mm.	Rmt	deleted
R3-WSP-4-3-4	d) 350 mm.	Rmt	deleted
R3-WSP-4-3-5	e) 400 mm.	Rmt	deleted
R3-WSP-4-3-6	f) 450 mm.	Rmt	deleted
R3-WSP-4-3-7	g) 500 mm.	Rmt	deleted
R3-WSP-4-3-8	h) 600 mm.	Rmt	deleted
R3-WSP-4-3-9	i) 700 mm.	Rmt	deleted
R3-WSP-4-3-10	j) 800 mm.	Rmt	deleted
R3-WSP-4-3-11	k) 900 mm.	Rmt	deleted
R3-WSP-4-4	Providing precast porous cement concrete pipes of 300 mm. internal dia. With 50 mm wall thickness in M 15 c.c. with metal No.1 only, without any sand content,including curing, formwork etc. as per relevant B.I.S.	Rmt	907



WATER SUPPLY PROJECTS USoR 2023

Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-4-5	Providing & Fixing HYDROTITE Hydrophilic Water Sealing material "CJTA-0725-3K" of assorted profiles in construction joints at different locations during the construction of Basement, Raft, RCC and peripheral RCC Retaining Walls, and also in Construction Joints for other Water Containing structures like Underground Water Reservoir, WTP, WWTP, STP etc., including creating necessary nominal Trapezoid "KEY" shape by mason's finish, Including applying suitable adhesives and sealants i.e. LEAKMASTER or CJ-BOND , as recommended and supplied by HYROTITE suppliers (Water Seal India Pvt Ltd) for proper and highly secured bonding of HYDROTITE with substrate, rough / smooth and wet / dry, proper splicing and joining of HYDROTITE at corners, "Ts" , "Ls" and "X" junctions using suitable Cynoacrylate glue, at all such locations as directed by engineer in Charge	Rmt	239
R3-WSP-4-6	Providing Polysulphide sealant in 10 mm.x 20 mm. groove at the joint of reservoir flooring , roofs etc.	Rmt	208
R3-WSP-4-7	Providing filter media for foundation drains as per specifications complete	Cum	2166
R3-WSP-4-8	Providing and laying 150 micron thk Polythene paper including overlaps of 10 cms. Complete as directed and specified.	Sqm	291
R3-WSP-4-9	Providing and filling Polysulphide sealant of approved quality in 15 mm. x 30 mm. groove.	RM	341
R3-WSP-4-10	Providing Polysulphide sealant of approved quality in 10 mm.x 20 mm.groove.	RM	208
R3-WSP-4-11	Providing & fixing premoulded bitumastic filler in the groove at the expansion joint including applying primer coat to the surface. Thickness of filler (approximate)		Deleted
R3-WSP-4-12	Providing & fixing C.I. covers with frames over chambers of any size & type.	MT	95865



WATER SUPPLY PROJECTS USoR 2023

Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-4-13	Providing and Fixing 100 dia vent pipes in the roof of the reservoir.	Nos	Deleted
R3-WSP-4-14	Providing and fixing in position 38 mm. (approximately) dia G.I. pipes for taking float cables to Control Room. (‘C’ Class G.I.pipes)	RM	deleted
R3-WSP-4-15	Providing and fixing in position 50 mm. (approximately) dia G.I. pipes for taking flood light cables to Control Room. (‘C’ Class G.I.pipes)	RM	deleted
R3-WSP-4-16	Providing and laying sand cushion of approved quality below the M.S./Concrete pipes as a leveling course of the thickness as specified and as directed by Engineer-in -Charge	Cum	3369
R3-WSP-4-17	Providing and filling Polysulphide sealant of approved quality in 25 mm. x 75 mm. groove.	RM	Deleted
R3-WSP-4-18	Providing and filling Polysulphide sealant of approved quality in 10 mm. x 20 mm. groove. (Refer item no. WSP-4-6)	RM	208
R3-WSP-4-19	Providing and laying R.C.pipes (NP3 class) with rubber ring jointing etc. complete as specified and directed.		
R3-WSP-4-19-A	<u>Diameter of pipes</u>		
R3-WSP-4-19-A-1	350 mm	RM	Deleted
R3-WSP-4-19-A-2	400 mm	RM	Deleted
R3-WSP-4-19-A-3	450 mm	RM	Deleted
R3-WSP-4-19-A-4	500 mm	RM	Deleted
R3-WSP-4-19-A-5	600 mm	RM	Deleted
R3-WSP-4-19-A-6	700 mm	RM	Deleted
R3-WSP-4-19-A-7	800 mm	RM	Deleted
R3-WSP-4-19-A-8	900 mm	RM	Deleted
R3-WSP-4-19-A-9	1000 mm	RM	Deleted
R3-WSP-4-19-A-10	1100 mm	RM	Deleted
R3-WSP-4-19-A-11	1200 mm	RM	Deleted
R3-WSP-4-19-A-12	1400 mm	RM	Deleted
R3-WSP-4-19-A-13	1500 mm	RM	Deleted
R3-WSP-4-19-A-14	1600 mm	RM	Deleted
R3-WSP-4-19-A-15	1800 mm	RM	Deleted



WATER SUPPLY PROJECTS USoR 2023

Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-4-20-A	(a) Providing and applying primer and polysulphide sealant material for construction joints in R.C.C. floor & side wall of the reservoir Groove size 10 mm x 20 mm.	RM	208
R3-WSP-4-20-B	(b) Providing and applying primer and polysulphide sealant material for the expansion joint in R.C.C. roof slab of reservoir. Size of groove is 12.5 mm.x 25 mm.	RM	261
R3-WSP-4-21	Providing & fixing non-slippery type of chequered plates , complete with cutouts and in size suitable for removal by hand shall be of mild steel Fe250 of thickness (5 mm.to 7 mm.) as per direction & instructions to the true line and level etc. complete.	Sqm	4917
R3-WSP-4-22	Providing and fixing 25 mm.thick thermocol in the roof slab expansion joint.	Sqm	98
R3-WSP-4-23	Providing no fine concrete slab for foundation drains as specified and directed	Cum	5444
R3-WSP-4-24	Providing special refill around and over the pipeline by using earth sieved through 12 mm. Sieve.	Cum	3369
R3-WSP-4-25	Refilling the trenches with contractors' earth, murum etc. of approved quality around and over the pipeline upto ground level and also above ground level if required in layers not exceeding 30 cms. Including consolidation by watering, ramming with power rammer etc. complete as directed.	Cum	1039
R3-WSP-4-26	Extra over item No. WSP-4-24 for providing special refill with contractors' earth around and over the pipeline by using earth sieved through 12 mm. sieve.	Cum	1039
R3-WSP-4-27	Embankment with municipal earth and murum in layers not exceeding 30 cms. thick from the excavated earth and murum including consolidation by ramming, rolling with power rollers of 8 to 10 Tonnes capacity, watering ,etc. complete as specified. (Cost of excavation and lead etc. shall be covered under other items)	Cum	489



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Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-4-28	Embankment with contractors' earth or murum of approved quality in layers not exceeding 30 cms. thick including consolidation by ramming, watering, rolling with power rollers (capacity 8 to 10 tonnes) etc. complete as specified.	Cum	1231
R3-WSP-4-29	Embankment with the municipal rubble including hand packing the same and filling up the voids with smaller chips, earth etc. complete as specified (Cost of excavation and lead etc. shall be covered under other items). The rate also to include finishing the side slopes neatly.	Cum	220
R3-WSP-4-30	Embankment with contractor's rubble including hand packing the same and filling up the voids with small chips, earth etc. complete as specified. The rate also includes finishing the side slopes neatly.	Cum	828
R3-WSP-4-31	Providing and laying 20 cms. Thick hand set dry rubble soling including filling in interstices with small chips and ramming the same for road work as well as for foundations of pedestals etc.	Sqm	505
R3-WSP-4-32	Providing and laying hand set rubble stone pitching 15 cms. thick for the side slopes of earthen embankment including filling in interstices with small chips, etc. complete.	Sqm	434
R3-WSP-4-33	Providing special bedding for the pipeline		
R3-WSP-4-33-A	a) Using screened fine sand of grain size not larger than 2 mm.	Cum	3369



WATER SUPPLY PROJECTS USoR 2023

Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-4-33-B	b) Using screened stone dust of grain size not larger than 2 mm.	Cum	2007
R3-WSP-4-34	Providing rubble in concrete for plum concrete. The rate includes stacking the rubble for the purpose of measurement, placing rubble in the concrete as directed. (60% of the stack measurements will be taken as solid volume of rubble supplied.)	Cum	1467
R3-WSP-4-35-A	a) providing hand packed dry rubble filling behind the retaining walls, abutments, wing walls etc. complete.	Cum	828
R3-WSP-4-35-B	b) providing hand packed dry rubble filling behind the retaining walls, abutments, wing walls etc. complete. (with municipal rubble)	Cum	220
R3-WSP-4-36	Providing and laying M20 controlled cement concrete with minimum cement content of 340 Kg. Per Cu.M. for all structural	Cum	10073
R3-WSP-4-37	Providing and removing steel/plywood shuttering and centering for C.C. encasement of M.S.pipes, hidden faces (Type F1) for footing, plinth beams, col. Below plinth level etc.	Sqm	341
R3-WSP-4-38	Providing and fixing reusable and adjustable Accrow type props of approved make & size, inside 1200 mm and 3000 mm dia M.S. pipeline and removing the same as specified and directed.	Usage	DELETED
R3-WSP-4-39	Providing and fixing in position M.S. angles, tees, plates, rolled steel beams, joist and stachions, M.S. covers on valve chambers etc. including all labour and material, hoisting, fixing with bolts and nuts or by welding, painting will 3 coats of Synthetic Enamel paint etc. complete welding, painting with 3 coats of Synthetic Enamel paint etc. complete as directed by Engineer-in -Charge	MT	96808



WATER SUPPLY PROJECTS USoR 2023

Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-4-40	Breaking stems of R.C.C.members viz. Columns, slabs, R.C.C. walls, encasement of pipes etc. of any grade of concrete / colcrete without damaging reinforcement (bars) or pipes after removing rust, cleaning the same etc. including removal of debris etc. complete as directed.	Cum	2491
R3-WSP-4-41	Providing and laying M-20 R.C.C. Dhapas including all shuttering and centering, mixing, placing, curing etc. complete	Cum	deleted
R3-WSP-4-42	Providing and driving sheet piles conforming to IS 2314 and driving the sheet pile to desired depth upto 10 M. to protect sides of excavation with adequate sizes of wailers and struts for designed depth with proper design. (to be approved by engineer in-charge.)	Sqm	deleted



WATER SUPPLY PROJECTS USoR 2023

Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
WSP Schedule -Section 5			
R3-WSP-5-1	Fabricating pipes including short pipes (shorter than one strake length) from steel plates supplied free of cost by the BMC and stacking the same in the fabricators' yard. The rate to include cutting the plates , rolling, tack welding, assembling in suitable lengths to form pipes, hydraulic testing, welding on automatic welding machines and forming 'V' edge for both the ends of pipe (including accrow type props)		
	Thickness of plate Diameter of pipe		
R3-WSP-5-1-A	<u>a)5 mm. to 8 mm</u>		
R3-WSP-5-1-A-1	i) Upto 250 mm	Rmt	3107
R3-WSP-5-1-A-2	ii) Above 250 mm upto 500 mm	Rmt	4029
R3-WSP-5-1-A-3	iii) Above 500 mm upto 750 mm	Rmt	5528
R3-WSP-5-1-A-4	iv) Above 750 mm upto 1000 mm	Rmt	7027
R3-WSP-5-1-A-5	v) Above 1000 mm upto 1250 mm	Rmt	8526
R3-WSP-5-1-B	<u>b)Above 8 mm, upto 12 mm</u>		
R3-WSP-5-1-B-1	i) From 750 mm upto 1000 mm	Rmt	10019
R3-WSP-5-1-B-2	ii) Above 1000 mm upto 1250 mm	Rmt	12326
R3-WSP-5-1-B-3	iii) Above 1250 mm upto 1500 mm	Rmt	14632
R3-WSP-5-1-B-4	iv) Above 1500 mm upto 1750 mm	Rmt	16938
R3-WSP-5-1-B-5	v) Above 1750 mm upto 2000 mm	Rmt	19244
R3-WSP-5-1-B-6	vi) Above 2000 mm upto 2250 mm	Rmt	21550
R3-WSP-5-1-B-7	vii) Above 2250 mm upto 2500 mm	Rmt	23857
R3-WSP-5-1-B-8	viii) Above 2500 mm upto 2750 mm	Rmt	26163
R3-WSP-5-1-C	<u>c) Above 12 mm. upto 16 mm</u>		
R3-WSP-5-1-C-1	i) From 2000 mm upto 2250 mm	Rmt	29568
R3-WSP-5-1-C-2	ii) Above 2250 mm upto 2500 mm	Rmt	32797
R3-WSP-5-1-C-3	iii) Above 2500 mm upto 2750 mm	Rmt	36026
R3-WSP-5-1-C-4	iv) Above 2750 mm upto 3000 mm	Rmt	39254
R3-WSP-5-1-C-5	v) Above 3000 mm upto 3250 mm	Rmt	42483
R3-WSP-5-1-C-6	vi) Above 3250 mm upto 3500 mm	Rmt	45712
R3-WSP-5-1-D	<u>d)Above 16 mm upto 20 mm.</u>		
R3-WSP-5-1-D-1	i) From 2500 mm. upto 2750 mm	Rmt	45948
R3-WSP-5-1-D-2	ii) Above 2750 mm upto 3000 mm	Rmt	50099
R3-WSP-5-1-D-3	iii) Above 3000 mm upto 3250 mm	Rmt	54250
R3-WSP-5-1-D-4	iv) Above 3250 mm upto 3500 mm	Rmt	58401
R3-WSP-5-1-D-5	v) Above 3500 mm upto 3750 mm	Rmt	62552
R3-WSP-5-1-D-6	vi) Above 3750 mm upto 4000 mm	Rmt	66703
R3-WSP-5-1-E	<u>e)Above 20 mm. upto 25 mm.</u>		
R3-WSP-5-1-E-1	i) From 3500 mm. upto 3750 mm	Rmt	77998
R3-WSP-5-1-E-2	ii) Above 3750 mm upto 4000 mm.	Rmt	83187



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Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-5-2	Testing the pipes hydraulically to the required pressure as per the specifications for diameters :		
R3-WSP-5-2-1	i) Upto 1000 mm	Rmt	551
R3-WSP-5-2-2	ii) Above 1000 mm upto 1250 mm	Rmt	619
R3-WSP-5-2-3	iii) Above 1250 mm upto 1500 mm	Rmt	859
R3-WSP-5-2-4	iv) Above 1500 mm upto 1750 mm	Rmt	1115
R3-WSP-5-2-5	v) Above 1750 mm upto 2000 mm	Rmt	1423
R3-WSP-5-2-6	vi) Above 2000 mm upto 2250 mm	Rmt	1748
R3-WSP-5-2-7	vii) Above 2250 mm upto 2500 mm	Rmt	1951
R3-WSP-5-2-8	viii) Above 2500 mm upto 2750 mm	Rmt	2535
R3-WSP-5-2-9	ix) Above 2750 mm upto 3000 mm	Rmt	3153
R3-WSP-5-2-10	x) Above 3000 mm upto 3250 mm	Rmt	3424
R3-WSP-5-2-11	xi) Above 3250 mm upto 3500 mm	Rmt	3695
R3-WSP-5-2-12	xii) Above 3500 mm upto 3750 mm	Rmt	4484
R3-WSP-5-2-13	xiii) Above 3750 mm upto 4000 mm	Rmt	5307
R3-WSP-5-3	Fabricating one piece degree cants, from the steel plates supplied free of cost by BMC and stacking the same in fabricators' yard. The rate to include cutting the plates, rolling, tacking, welding either on automatic welding machine or manually and forming 'V' edge to the both ends of pipe :	MT	51545
R3-WSP-5-4	Fabricating composite bends from steel plates supplied free of cost by BMC and stacking the same in the fabricators' yard. The rate to include cutting the plates, rolling , tacking , drums , assembling the same to form bend of suitable length, welding either on automatic welding machine or manually and forming 'V' edge to both ends of bend but the rate excluding the circumferential butt welding required for assembling cants to form necessary composite bend. Circumferential butt welding will be paid for separately under Item .WSP-5-12 However the rate under this item will include the cost of longitudinal butt welding of pipe strakes.	MT	51545



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Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-5-5	Fabricating tapers from the steel plates supplied free of cost by BMC and stacking the same in the fabricators' yard. The rate to include cutting the plates, rolling, tack welding , welding either on automatic welding machine or manually and forming 'V' edge to both ends of tapers but the rate excludes the circumferential butt welding required for assembling drums to form necessary tapers. Circumferential butt welding will be paid for under Item No.WSP-5-12. However the rate under this item includes the longitudinal butt welding to form drums. The rate shall also include the cost of fabrication of stiffener rings and gussets and mounting the same on tapers, tack & chain welding etc. as directed.	MT	44365
R3-WSP-5-6	Fabricating specials and fixtures from steel materials supplied free of cost by B.M.C.The weight for payment under this item shall be calculated on the basis of finished material neglecting the bolt holes wherever provided)		
R3-WSP-5-6-1	i) Saddle pieces, loose stiffener rings, pressure & non-pressure type blank flanges, ladders, platforms, & any other minor fixtures. The rate to include cutting, bending, tack welding etc. complete.	MT	10876
R3-WSP-5-6-2	ii) 'Y' branches 'T' branches. The rate to include cutting bending, tack welding etc. complete.	MT	25644
R3-WSP-5-6-3	iii) Dished closures such as domes. The rate to include cutting, cold pressing & tack welding etc. complete.	MT	27169
R3-WSP-5-6-4	iv) Dished closures such as manhole covers. The rate to include cutting, cold pressing & tack welding only. The rate also to include drilling holes including grinding wherever necessary, supply of bolts , nuts, washers, etc. complete as per drawing.	MT	28693
R3-WSP-5-6-5	v) Flat manhole covers. The rate to include cutting, tack welding. The rate also to include drilling holes including grinding wherever necessary , supply of bolts , nuts , washers, etc. complete as per drawing.	MT	16293



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Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-5-6-6-A	vi) (a) Flange rings below 40 mm. thick. The rate to include gas cutting , tack welding , welding to form ring wherever necessary , drilling holes including grinding wherever necessary etc. complete	MT	14426
R3-WSP-5-6-6-B	vi) (b) Flange rings 40 mm. & above thick. The rate to include gas cutting , tack welding to form ring , drilling holes including grinding wherever necessary etc. complete.	MT	26897
R3-WSP-5-6-7	vii) (a) Machining of flange rings for cut upto 2 mm. including handling, assembling , aligning the ring on machine etc. complete as directed.		
R3-WSP-5-6-7-A-1	(i) For thickness of flange ring below 40 mm	Sqm	722
R3-WSP-5-6-7-A-2	(ii) For thickness of flange ring from 40 mm upto 100 mm.	Sqm	1345
R3-WSP-5-6-7-B	vii) (b) Extra over & above (vii)(a) for machining beyond 2 mm. additional cut of 2 mm or part thereof.	Sqm	541
R3-WSP-5-6-8	viii)Stress relieving of flange rings as specified and directed.	Sqm	2690
R3-WSP-5-6-9	ix) Plug plates –150 mm. dia & the thickness of plate from 14 mm. to 25 mm.as per drawing. The rate to include gas cutting, drilling holes, cost of G.I.Plugs, rolling to required curvature & threading etc. complete.	Each	422
R3-WSP-5-7	Providing and Fabricating expansion joints for pipelines as per the drawings, & stacking the same in fabricators' yard. The rate to include machining the strakes & steel ring as shown in the drawing & welding on either automatic welding machine or manually. All other materials such as rubber ring, synthetic rubber packing, grease, bolts & nuts, cast iron rollers supports etc. shall be as per specifications, and as directed by Engineer-in -Charge		
R3-WSP-5-7-1	i) From 1000 mm upto 1250 mm	Each	195428
R3-WSP-5-7-2	ii) Above 1250 mm upto 1500 mm	Each	233439
R3-WSP-5-7-3	iii) Above 1500 mm upto 1750 mm	Each	271450
R3-WSP-5-7-4	iv) Above 1750 mm upto 2000 mm	Each	355477
R3-WSP-5-7-5	v) Above 2000 mm upto 2250 mm	Each	396633
R3-WSP-5-7-6	vi) Above 2250 mm upto 2500 mm	Each	435757
R3-WSP-5-7-7	vii) Above 2500 mm upto 2750 mm	Each	476913
R3-WSP-5-7-8	viii) Above 2750 mm upto 3000 mm	Each	516036
R3-WSP-5-7-9	ix) Above 3000 mm upto 3250 mm	Each	557192
R3-WSP-5-7-10	x) Above 3250 mm upto 3500 mm	Each	592252
R3-WSP-5-7-11	xi) Above 3500 mm upto 3750 mm	Each	633916
R3-WSP-5-7-12	xii) Above 3750 mm upto 4000 mm	Each	675580



WATER SUPPLY PROJECTS USoR 2023

Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-5-8	Fabricating ring girder as per drawing & specifications from M.S.channels, flats, plates, etc. supplied free of cost by BMC & assembling the same on the ring girder strake & tack welding as per directions.	MT	86794
R3-WSP-5-9	Fabricating ring girder supports (stools)as per drawing & specifications complete with top plates, base plates, side flats for fixing rollers wherever necessary , grease box covers, rag bolts, guide rods etc. including welding wherever necessary from steel material supplied free of cost by BMC & stacking the same in Fabricators' yard.	MT	83091
R3-WSP-5-10	Fabricating and assembling M.S. Roller Sets for ring girder from steel material supplied free of cost by BMC & stacking the same in Fabricators' yard.	MT	154978
R3-WSP-5-11	Gas cutting (either square or 'V' cut) Pipes , plates , specials , etc. as specified & directed		
R3-WSP-5-11-A	Plate thickness:		
R3-WSP-5-11-A-1	i) Upto 5 mm	Rmt	272
R3-WSP-5-11-A-2	ii) Above 5 mm. upto 10 mm.	Rmt	384
R3-WSP-5-11-A-3	iii) Above 10 mm. upto 14 mm	Rmt	497
R3-WSP-5-11-A-4	iv) Above 14 mm. upto 18 mm	Rmt	610
R3-WSP-5-11-A-5	v) Above 18 mm upto 22 mm	Rmt	723
R3-WSP-5-11-A-6	vi) Above 22 mm	Rmt	836
R3-WSP-5-12	Electric or gas welding steel materials as specified & directed :		
R3-WSP-5-12-A	a) Butt Joints:Plate Thickness		
R3-WSP-5-12-A-1	i) 4 mm.	Rmt	335
R3-WSP-5-12-A-2	ii) 5 mm	Rmt	503
R3-WSP-5-12-A-3	iii) 6 mm	Rmt	1068
R3-WSP-5-12-A-4	iv) 7 mm	Rmt	1187
R3-WSP-5-12-A-5	v) 8 mm	Rmt	1423
R3-WSP-5-12-A-6	vi) 10 mm	Rmt	1282
R3-WSP-5-12-A-7	vii) 12 mm	Rmt	1808
R3-WSP-5-12-A-8	viii) 14 mm	Rmt	2614
R3-WSP-5-12-A-9	ix) 16 mm	Rmt	2925
R3-WSP-5-12-A-10	x) 18 mm	Rmt	2962
R3-WSP-5-12-A-11	xi) 20 mm	Rmt	3237
R3-WSP-5-12-A-12	xii) 22 mm	Rmt	3672
R3-WSP-5-12-A-13	xiii) 25 mm	Rmt	5363
R3-WSP-5-12-A-14	xiv) 32 mm	Rmt	6168
R3-WSP-5-12-A-15	xv) 36 mm	Rmt	6972
R3-WSP-5-12-B	b) Lap joints with convex fillet welds :		



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Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
	<u>Leg Lengths :</u>		
R3-WSP-5-12-B-1	i) 5 mm	Rmt	414
R3-WSP-5-12-B-2	ii) 6 mm	Rmt	532
R3-WSP-5-12-B-3	iii) 7 mm	Rmt	591
R3-WSP-5-12-B-4	iv) 8 mm	Rmt	747
R3-WSP-5-12-B-5	v) 10 mm	Rmt	872
R3-WSP-5-12-B-6	vi) 12 mm	Rmt	1121
R3-WSP-5-12-B-7	vii) 14 mm	Rmt	1494
R3-WSP-5-12-B-8	viii) 16 mm	Rmt	1867
R3-WSP-5-12-B-9	ix) 18 mm	Rmt	2054
R3-WSP-5-12-B-10	x) 20 mm	Rmt	4294
R3-WSP-5-12-B-11	xi) 22 mm	Rmt	4944
R3-WSP-5-12-B-12	xii) 25 mm	Rmt	6866
R3-WSP-5-12-B-13	xiii) 32 mm	Rmt	7896
R3-WSP-5-12-B-14	xiv) 36 mm	Rmt	8926
R3-WSP-5-13	Transporting all Fabricated materials from stacking yard of factory to laying site, from municipal stores to factory or anywhere directed upto a distance of 2 km Including loading, unloading and stacking near the laying site as directed.	MT	2114
R3-WSP-5-14	Extra over & above rate of Item No. WSP-5-13 for transporting the materials beyond 2 kms.	MT/Km	1819
R3-WSP-5-15	Blast cleaning the surface of the pipes at factory / Site internally to remove all rust etc. complete as directed by Engineer-in -Charge	Sqm	377
R3-WSP-5-16	Blast cleaning the surface of the pipes at factory / Site externally to remove all rust etc as directed by Engineer-in -Charge	Sqm	386
R3-WSP-5-17	Providing and applying primer & one coat of red oxide of Iron paint, internally, at factory / Site after cleaning the surface of the pipes with steel scrappers, wire brushes and metal cleaning solution etc.	Sqm	207
R3-WSP-5-18	Providing and applying primer & one coat of red oxide of Iron paint internally at factory / Site to blast cleaned surface of the pipes as directed by Engineer-in -Charge	Sqm	207
R3-WSP-5-19	Providing & applying one coat of Zinc Rich Epoxy Primer, to the internal surface of pipes at factory / Site as per specifications and as directed by Engineer-in -Charge	Sqm	358



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Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-5-20	Providing & applying first coat of Inertol 49W thick to the internal surface of pipes at factory / Site as per specifications and as directed by Engineer-in -Charge	Sqm	678
R3-WSP-5-21	- do - - do - "Second Coat "	Sqm	340
R3-WSP-5-22	- do - - do - "Third Coat "	Sqm	170
R3-WSP-5-23	Fabricating and fixing insulated flange rings assembly as per drawing from steel materials supplied free of cost by B.M.C. The rate to include fabrication of tail pipes (about 0.6 m long) fabrication of flange rings, machining , drilling holes, including grinding wherever necessary and welding. The rate above to include nuts, bolts washers etc. but shall not include supply and fixing of bakelite / PVC rings, cylinders and rubber packing.		
R3-WSP-5-23-A	For pipe dia		
R3-WSP-5-23-A-1	i) From 300 mm upto 450 mm	Each	4885
R3-WSP-5-23-A-2	ii) Above 450 mm upto 750 mm	Each	7511
R3-WSP-5-23-A-3	iii) Above 750 mm upto 1000 mm	Each	12179
R3-WSP-5-23-A-4	iv) Above 1000 mm upto 1250 mm	Each	16603
R3-WSP-5-23-A-5	v) Above 1250 mm upto 1500 mm	Each	24115
R3-WSP-5-23-A-6	vi) Above 1500 mm upto 1750 mm	Each	28153
R3-WSP-5-23-A-7	vii) Above 1750 mm upto 2000 mm	Each	36585
R3-WSP-5-23-A-8	viii) Above 2000 mm upto 2400 mm	Each	47107
R3-WSP-5-24	Transporting M.S.Plates, cut plates, structural steel and cut sections of various sizes from Veravali and Powai or any other Mun.store in Gr.Mumbai to the fabrication shop upto a distance of 2 Km. And transporting back the plates, cut plates, structurals, cut section and scrap from Fabrication shop to Veravali or Powai or any other Mun.store in Gr.Mumbai upto a distance of 2 Km. Including stacking as per direction etc.	MT	2114
R3-WSP-5-25	Extra over & above rate of Item No. WSP-5-24 for transporting the materials beyond 2 Kms.	MT/Km	1820



WATER SUPPLY PROJECTS USoR 2023

Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
WSP-5-26	Providing, fabricating, M.S. pipes including short pipes (shorter than one stroke length) as per specification of required diameters and shell thicknesses given below. The rate to include procurement of MS plates, transport, cutting the plates to the required size rolling, tack welding, assembling in desired lengths to form pipes, welding on automatic welding machine forming 'V' edge with or without shoulder cut/root face on both the ends of pipe. The rate should also include hydraulic testing of pipes to the required pressure as per the specifications, transporting pipes with or without stiffener rings mounted on it as required by adopting suitable transporting means without any damage, from the fabrication factory to the laying site of work intact, including loading and unloading at the site, stacking them as directed, fixing of accrow type props etc'.complete as specified and directed by Engineer-in -Charge. The shop paint shall be paid separately as per quoted rates and shall not be included under this item.		
R3-WSP-5-26-A	a)5 mm. to 8 mm		
R3-WSP-5-26-A-1	i) Upto 250 mm	RM	5778
R3-WSP-5-26-A-2	ii) Above 250 mm upto 500 mm	RM	8259
R3-WSP-5-26-A-3	iii) Above 500 mm upto 750 mm	RM	12291
R3-WSP-5-26-A-4	iv) Above 750 mm upto 1000 mm	RM	16323
R3-WSP-5-26-A-5	v) Above 1000 mm upto 1250 mm	RM	20355
R3-WSP-5-26-B	b)Above 8 mm, upto 12 mm		
R3-WSP-5-26-B-1	i) From 750 mm upto 1000 mm	RM	24372
R3-WSP-5-26-B-2	ii) Above 1000 mm upto 1250 mm	RM	30575
R3-WSP-5-26-B-3	iii) Above 1250 mm upto 1500 mm	RM	36778
R3-WSP-5-26-B-4	iv) Above 1500 mm upto 1750 mm	RM	42981
R3-WSP-5-26-B-5	v) Above 1750 mm upto 2000 mm	RM	49184
R3-WSP-5-26-B-6	vi) Above 2000 mm upto 2250 mm	RM	55387
R3-WSP-5-26-B-7	vii) Above 2250 mm upto 2500 mm	RM	61590
R3-WSP-5-26-B-8	viii) Above 2500 mm upto 2750 mm	RM	67794
R3-WSP-5-26-C	c) Above 12 mm. upto 16 mm		
R3-WSP-5-26-C-1	i) From 2000 mm upto 2250 mm	RM	76954
R3-WSP-5-26-C-2	ii) Above 2250 mm upto 2500 mm	RM	85638
R3-WSP-5-26-C-3	iii) Above 2500 mm upto 2750 mm	RM	94323
R3-WSP-5-26-C-4	iv) Above 2750 mm upto 3000 mm	RM	103007
R3-WSP-5-26-C-5	v) Above 3000 mm upto 3250 mm	RM	111691
R3-WSP-5-26-C-6	vi) Above 3250 mm upto 3500 mm	RM	120375
R3-WSP-5-26-D	d)Above 16 mm upto 20 mm.		



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Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-5-26-D-1	i) From 2500 mm. upto 2750 mm	RM	121010
R3-WSP-5-26-D-2	ii) Above 2750 mm upto 3000 mm	RM	132176
R3-WSP-5-26-D-3	iii) Above 3000 mm upto 3250 mm	RM	143341
R3-WSP-5-26-D-4	iv) Above 3250 mm upto 3500 mm	RM	154507
R3-WSP-5-26-D-5	v) Above 3500 mm upto 3750 mm	RM	165672
R3-WSP-5-26-D-6	vi) Above 3750 mm upto 4000 mm	RM	176838
R3-WSP-5-26-E	e)Above 20 mm. upto 25 mm.		
R3-WSP-5-26-E-1	i) From 3500 mm. upto 3750 mm	RM	207218
R3-WSP-5-26-E-2	ii) Above 3750 mm upto 4000 mm.	RM	221174
R3-WSP-5-27	Providing and fabricating, M.S. composite bends of required diameter and shell thickness. The rate to include procurement of M.S. plates, transport, cutting the plates to the required size, rolling, tack welding, assembling in desired lengths to form composite bend, welding on automatic welding machine or manually and forming 'V' edge with or without shoulder cut/root face to both ends of the composite bend. The rate shall also include transporting composite bends with or without stiffener rings mounted on it, as required, by adopting suitable transporting means without any damage, from the fabrication factory to the site of work intact, including all loading and unloading fixing of accrow type props etc. complete as specified and directed by Engineer-in - Charge The shop paint shall be paid separately as per quoted rates and shall not be included under this item.	MT	115143
R3-WSP-5-28	Providing and fabricating, M. S. tapers of required diameter and shell thickness. The rate to include procurement of M.S. plate, transport, cutting the plates to the required size, rolling, tack welding assembling in desired lengths to form tapers, welding on automatic welding machine or manually and forming 'V' edge with or without shoulder cut/ root face to both ends of the taper. The rate also includes providing and welding stiffener rings of required size as directed. The rate also include transporting specials and fixtures by adopting suitable means without any damage, intact to the site of work including all loading and unloading, fixing of accrow type props etc. complete as specified and directed by Engineer-in - Charge. The shop paint shall be paid separately as per quoted rates and shall not be included under this item.	M.T.	119755



WATER SUPPLY PROJECTS USoR 2023

Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-5-29	<p>Providing and fabricating, specials and fixtures of required size and shape from M. S. Plates and other structural steel. The rate to include procurement of plates and other structural steel, transport, cutting the plates and structural steel to the required size, rolling, bending, tack welding, assembling in desired size and shape, welding on automatic welding machine or manually and forming 'V' edge with or without shoulder cut/root face to both ends wherever required. The rate shall also include transporting specials and fixtures by adopting suitable means without any damage, intact to the site of work including all loading and unloading etc. complete as specified and directed. The rate should also include Saddle pieces, loose stiffener rings, pressure and non-pressure type blank flanges, ladders, platforms, protective covers for air valves and any other minor fixtures. The shop paint shall be paid separately as per quoted rates and shall not be included under this item.</p>		
	Fabricating Spls & Fixtures- Minor fixtures such as Saddles etc.	MT	110949
R3-WSP-5-30	<p>Providing and fabricating, T-junctions and Y-junctions of required size and shape from M. S. Plates and other structural steel. The rate to include procurement of plates and other structural steel, transport, cutting the plates and structural steel to the required size, rolling, bending, tack welding, assembling in desired size and shape, welding on automatic welding machine or manually and forming 'V' edge with or without shoulder cut/root face to both ends wherever required. The rate shall also include transporting specials with or without stiffener rings, fixtures mounted on it, as required, by adopting suitable means without any damage, intact to the site of work including all loading and unloading, fixing of accrow type props etc. complete as specified and directed by Engineer-in - Charge</p>	M.T.	122822



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Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
WSP-5-31	Providing and fabricating dished closures such as domes of required size and shape from M. S. Plates and other structural steel. The rate to include procurement of plates and other structural steel, transport, cutting the plates and structural steel to the required size, shape and thickness rolling, bending, tack welding, assembling in desired size and shape, welding on automatic welding machine or manually and forming 'V' edge with or without shoulder cut/root face to both ends wherever required. The rate shall also include transporting specials and fixtures by adopting suitable means without any damage, intact to the site of work including all loading and unloading etc. complete as specified and directed by Engineer-in -Charge. The rate to include cold pressing etc. complete.	MT	119226
WSP-5-32	Providing and fabricating specials and fixtures, Dished closures such as manhole covers of required size and shape from M. S. Plates and other structural steel. The rate to include procurement of plates and other structural steel, transport, cutting the plates and structural steel to the required size, rolling, bending, tack welding, assembling in desired size and shape and thickness, welding on automatic welding machine or manually and forming 'V' edge with or without shoulder cut/root face to both ends wherever required. The rate shall also include transporting specials and fixtures by adopting suitable means without any damage, intact to the site of work including all loading and unloading etc. complete as specified and as directed by Engineer-in -Charge. . The rate to include cold pressing, drilling holes, grinding wherever necessary, supply of bolts, nuts, washers, etc. complete as per drawing. The shop paint shall be paid separately as per quoted rates and shall not be included under this item.	MT	119226



WATER SUPPLY PROJECTS USoR 2023

Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-5-33	<p>Providing and fabricating specials and fixtures of required size and shape from M. S. Plates and other structural steel. The rate to include procurement of plates and other structural steel, transport, cutting the plates and structural steel to the required size, rolling, bending, tack welding, assembling in desired size and shape, welding on automatic welding machine or manually and forming 'V' edge with or without shoulder cut/root face to both ends wherever required. The rate shall also include transporting specials and fixtures by adopting suitable means without any damage, intact to the site of work including all loading and unloading etc. complete as specified and directed. (a) Flange rings below 40 mm. thick. The rate to include drilling holes, grinding wherever necessary. The rate shall also include fixing flange rings with circumferential manual welding to saddle pieces, tapers, distance pieces manhole covers, etc. complete wherever required and directed.</p>	MT	68651
R3-WSP-5-34	<p>Providing and fabricating specials and fixtures of required size and shape from M. S. Plates and other structural steel. The rate to include procurement of plates and other structural steel, transport, cutting the plates and structural steel to the required size, rolling, bending, tack welding, assembling in desired size and shape, welding on automatic welding machine or manually and forming 'V' edge with or without shoulder cut/root face to both ends wherever required. The rate shall also include transporting specials and fixtures by adopting suitable means without any damage, intact to the site of work including all loading and unloading etc. complete as specified and directed. Plug plates-150 mm. dia., the thickness of plate from 14 mm. to 25 mm. as per drawing. The rate to include gas cutting, drilling holes, cost of G.I. Plugs, rolling to required curvature and threading etc. complete as specified and directed.</p>		
	Fabricating Plug plates	no.	533



WATER SUPPLY PROJECTS USoR 2023

Item code	Item Description	Unit	Rates in Rs. (Excluding GST)
R3-WSP-5-35	Providing and fabricating ring girders as per drawing and specifications from M.S. Channels or by fabricating M.S. Channels from M.S. Plates and flats of required thickness including necessary welding and assembling the same on the ring girder strake and tack welding as specified and as directed by Engineer-in -Charge The rate to include procurement of M.S. Channels, flats, plates etc., transport, cutting, rolling, bending and assembling the same on the ring girder strake in desired shape including tack welding and horizontal butt welding. In case of fabricating of ring girder from M.S. plates and flats (of required size) to form channels, the rate shall also include circumferential welding.	MT	146991
R3-WSP-5-36	Providing and fabricating ring girder supports (stools) as per drawing and specifications complete with top plates, base plates, side flats for fixing rollers wherever necessary, grease box covers, rack bolts, guide rods etc. Including welding wherever necessary. The rate to include procurement of plates and other structural steel, transport, cutting to the required size and shape, tack welding, assembling in desired size and shape, welding either on automatic welding machine or manually. The rate shall also include transporting stools by using suitable means without any damage, intact to the site of work inclusive of loading and unloading etc. complete as directed by Engineer-in -Charge	MT	143287
R3-WSP-5-37	Providing, fabricating and assembling M.S. Roller as per drawing. The rate to include procurement of M.S. Round bars and other structural steel, transport, cutting to the required size and shape, machining, assembling and fixing the same to the side flats provided below the top plates of ring girder supports (stools), greasing, including providing antitheft measures as directed. The rate shall also include transporting rollers by using suitable means of transport without any damage, intact to site of work including loading and unloading etc. complete as specified and directed by Engineer-in -Charge	MT	179150

