

**Office of the Engineer-in-Chief
Public Health Engineering Department
Chhattisgarh Raipur**

Memo No. ...09.../T.S./E.In.C./PHED/Raipur

Dated ...28-01-2016

Amendment No. 04/2015-16

The separate rates excluding excise duty for Chapter No. – 03, 04, 06, 07, 08 & 17 is hereby added from the date of amendment in unified schedule of rates (Part – I) for water supply, sewerage works enforce from Dated 07.02.2013 in C.G. P.H.E.D.

The Amendment No. – 01/2013-14 issued by this office Letter No. 194/T.S./E.In.C./PHED/Raipur, Dated 12.12.2013 for chapter No. – 05 will remained unchanged.

The Amendment No. – 03/2015-16 issued vide this Office Memo No. 239/T.S./E.In.C./PHED/Raipur, Dated 27.11.2015 is hereby cancelled.

**CHAPTER 3 – CAST IRON SOCKET AND SPIGOT PIPES AND SPECIALS WITH
LEAD JOINTS**

Rate excluding Excise Duty

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.		
1	2	3	4		
3.29	Providing, laying & jointing of following socket and spigot cast iron (Spun) pipes including testing of joints, cost of pipes and jointing materials etc. Complete [socket & spigot cast iron (spun) pipes shall conform to IS 1536 : 2001 and laying work shall conform to IS 3114 : 1994, pig lead shall conform to IS 782 : 1978]	RM	LA Class	A Class	B Class
	100 mm diameter	RM	1427.00	1562.00	1666.00
	125 mm diameter	RM	1798.00	1954.00	2144.00
	150 mm diameter	RM	2181.00	2380.00	2562.00
	200 mm diameter	RM	3182.00	3438.00	3714.00
	250 mm diameter	RM	4262.00	4640.00	4964.00
	300 mm diameter	RM	5483.00	5972.00	6446.00
	350 mm diameter	RM	6876.00	7435.00	8045.00
	400 mm diameter	RM	8371.00	9119.00	9829.00
	450 mm diameter	RM	10305.00	10494.00	12142.00
	500 mm diameter	RM	12019.00	13051.00	14096.00
	600 mm diameter	RM	16160.00	17585.00	19020.00
	700 mm diameter	RM	20768.00	22619.00	24417.00
	750 mm diameter	RM	23254.00	25348.00	27486.00



800 mm diameter	RM	26093.00	28345.00	30650.00
900 mm diameter	RM	31710.00	34501.00	37354.00
1000 mm diameter	RM	38049.00	41451.00	44761.00
1050 mm diameter	RM	38664.00	46286.00	49736.00

CHAPTER 4 – CAST IRON TYTON PIPES WITH TYTON JOINTS

Rate excluding Excise Duty

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.		
1	2	3	4		
4.5	Providing, laying & jointing of cast iron tyton pipes with tyton joints including testing of joints, cost of pipes and jointing materials etc complete. [Cast iron (tyton) pipes shall conform to IS 1536 : 2001 and rubber sealing rings shall conform to IS 5382 : 1985]	RM	LA Class	A Class	B Class
	100 mm diameter	RM	1355.00	1488.00	1592.00
	125 mm diameter	RM	1711.00	1865.00	2054.00
	150 mm diameter	RM	2078.00	2275.00	2455.00
	200 mm diameter	RM	3031.00	3285.00	3558.00
	250 mm diameter	RM	4079.00	4454.00	4776.00
	300 mm diameter	RM	5263.00	5747.00	6217.00
	350 mm diameter	RM	6621.00	7174.00	7779.00
	400 mm diameter	RM	8075.00	8816.00	9520.00
	450 mm diameter	RM	9886.00	10074.00	11707.00
	500 mm diameter	RM	11579.00	12601.00	13638.00
	600 mm diameter	RM	15579.00	16991.00	18414.00
	700 mm diameter	RM	20110.00	21945.00	23728.00
	750 mm diameter	RM	22519.00	24595.00	26715.00
	800 mm diameter	RM	25203.00	27435.00	29720.00
	900 mm diameter	RM	30679.00	33445.00	36274.00
	1000 mm diameter	RM	36872.00	40244.00	43525.00

CHAPTER 6 – DUCTILE IRON PRESSURE PIPES AND SPECIAL WITH TYTON JOINTS

Rate excluding Excise Duty

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.
1	2	3	4
6.50	Providing, laying & jointing socket & spigot centrifugally cast (Spun) Ductile iron pressure pipes with inside cement mortar lining (Class K-7) conforming to IS 8329/2000 with suitable Rubber Gasket (Push on) joints as per IS : 5382/85 including testing of joint (laying conforming to IS 12288 : 1987)		
	100 mm diameter	RM	720.00
	150 mm diameter	RM	1051.00
	200 mm diameter	RM	1608.00
	250 mm diameter	RM	2125.00
	300 mm diameter	RM	2631.00
	350 mm diameter	RM	3346.00
	400 mm diameter	RM	4280.00
	450 mm diameter	RM	4986.00
	500 mm diameter	RM	5816.00

	600 mm diameter	RM	7310.00
	700 mm diameter	RM	10627.00
	750 mm diameter	RM	12365.00
	800 mm diameter	RM	13859.00
	900 mm diameter	RM	16907.00
	1000 mm diameter	RM	20309.00
	1100 mm diameter	RM	22009.00
	1200 mm diameter	RM	23671.00
	1400 mm diameter	RM	25389.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.
1	2	3	4
6.51	Providing, laying & jointing socket & spigot centrifugally cast (Spun) Ductile iron pressure pipes with inside cement mortar lining (Class K-9) conforming to IS 8329/2000 with suitable Rubber Gasket (Push on) joints as per IS : 5382/85 including testing of joint (laying conforming to IS 12288 : 1987)		
	100 mm diameter	RM	915.00
	150 mm diameter	RM	1357.00
	200 mm diameter	RM	1888.00
	250 mm diameter	RM	2509.00
	300 mm diameter	RM	3194.00
	350 mm diameter	RM	4354.00
	400 mm diameter	RM	4842.00
	450 mm diameter	RM	6074.00
	500 mm diameter	RM	7220.00
	600 mm diameter	RM	9479.00
	700 mm diameter	RM	12301.00
	750 mm diameter	RM	13769.00
	800 mm diameter	RM	15087.00
	900 mm diameter	RM	18443.00
	1000 mm diameter	RM	21718.00
	1100 mm diameter	RM	24957.00
	1200 mm diameter	RM	28150.00
	1400 mm diameter	RM	31414.00

CHAPTER 7 – UNPLASTICIZED PVC (UPVC) FITTINGS FOR POTABLE WATER SUPPLY

Rate excluding Excise Duty

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.		
1	2	3	4		
7.32	Providing, laying & jointing of following UPVC pipes with solvent cement joint for 6, 8 & 10 kg/sq. Cm ² pressure including testing of joints, cost of jointing materials etc. Complete in all respect. [Conform to IS 4985:2000 and IS 7634 (PT-3)]	RM	6 kg/cm ²	8 kg/cm ²	10 kg/cm ²
	110 m.m. dia	RM	191.00	254.00	291.00
	140 m.m. dia	RM	318.00	439.00	481.00
	160 m.m. dia	RM	406.00	559.00	628.00
	180 m.m. dia	RM	505.00	712.00	776.00
	200 m.m. dia	RM	644.00	871.00	1008.00



250 m.m. dia	RM	1027.00	1386.00	1642.00
315 m.m. dia	RM	1668.00	2145.00	2648.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.		
1	2	3	4		
7.33	Providing, laying & jointing of following UPVC bends suitable for 6, 8 & 10 kg/sq. Cm ² pressure pipes. [Conform to IS 4985:2000 and IS 7634 (PT-3) : 2003, IS 7834 (PT-I to VIII : 1987]	Each	6 kg/cm ²	8 kg/cm ²	10 kg/cm ²
	110 m.m. dia	Each	139.00	223.00	286.00
	140 m.m. dia	Each	429.00	523.00	766.00
	160 m.m. dia	Each	618.00	934.00	1004.00
	180 m.m. dia	Each	890.00	1094.00	1555.00
	200 m.m. dia	Each	1205.00	1791.00	1811.00
	250 m.m. dia	Each	2850.00	-	4652.00
	315 m.m. dia	Each	5651.00	-	9210.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.		
1	2	3	4		
7.34	Providing, laying & jointing in position following UPVC tees, suitable for 6, 8 & 10 kg/sq. Cm ² pressure pipes. [Conform to IS 4985:2000 and IS 7634 (PT-3) : 2003, IS 7834 (PT-I to VIII : 1987]	Each	6 kg/cm ²	8 kg/cm ²	10 kg/cm ²
	110 m.m. dia	Each	94.00	126.00	138.00
	140 m.m. dia	Each	162.00	189.00	227.00
	160 m.m. dia	Each	200.00	327.00	392.00
	180 m.m. dia	Each	396.00	456.00	547.00
	200 m.m. dia	Each	592.00	668.00	749.00
	250 m.m. dia	Each	669.00	744.00	825.00
	315 m.m. dia	Each	745.00	821.00	901.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.		
1	2	3	4		
7.35	Providing, laying & jointing in position following UPVC flanged tail pieces suitable for 6, 8 & 10 kg/sq. Cm ² pressure pipes. [Conform to IS 4985 : 2000 and IS 7634 (PT-3) : 2003, IS 7834 (PT-I to VIII : 1987]	Each	6 kg/cm ²	8 kg/cm ²	10 kg/cm ²
	110 m.m. dia	Each	56.00	73.00	126.00
	140 m.m. dia	Each	94.00	100.00	204.00
	160 m.m. dia	Each	113.00	146.00	232.00
	180 m.m. dia	Each	132.00	173.00	299.00
	200 m.m. dia	Each	162.00	209.00	378.00
	250 m.m. dia	Each	193.00	246.00	457.00
	315 m.m. dia	Each	224.00	283.00	537.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.		
1	2	3	4		
7.36	Providing, laying & jointing in position following UPVC end Cap (plugs) suitable for 6, 8 & 10 kg/sq. Cm ² pressure pipes. [Conform to IS 4985:2000 and IS 7634	Each	6 kg/cm ²	8 kg/cm ²	10 kg/cm ²



	(PT-3) : 2003, IS 7834 (PT-I to VIII : 1987]				
	110 m.m. dia	Each	25.00	30.00	40.00
	140 m.m. dia	Each	33.00	51.00	77.00
	160 m.m. dia	Each	65.00	76.00	103.00
	180 m.m. dia	Each	84.00	117.00	163.00
	200 m.m. dia	Each	120.00	135.00	176.00
	250 m.m. dia	Each	155.00	171.00	212.00
	315 m.m. dia	Each	192.00	208.00	248.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.		
1	2	3	4		
7.37	Providing & laying in position following UPVC coupler suitable for 6, 8 & 10 kg/sq. Cm ² pressure pipes. [Conform to IS 4985:2000 and IS 7634 (PT-3) : 2003, IS 7834 (PT-I to VIII : 1987]	Each	6 kg/cm ²	8 kg/cm ²	10 kg/cm ²
	110 m.m. dia	Each	55.00	69.00	86.00
	140 m.m. dia	Each	106.00	146.00	163.00
	160 m.m. dia	Each	147.00	181.00	233.00
	180 m.m. dia	Each	217.00	293.00	325.00
	200 m.m. dia	Each	279.00	365.00	461.00
	250 m.m. dia	Each	636.00	-	1031.00
	315 m.m. dia	Each	1263.00	-	2053.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.		
1	2	3	4		
7.38	Providing & laying in position following UPVC Reducers suitable for 6, 8 & 10 kg/sq. Cm ² pressure pipes. [Conform to IS 4985:2000 and IS 7634 (PT-3) : 2003, IS 7834 (PT-I to VIII : 1987]	Each	6 kg/cm ²	8 kg/cm ²	10 kg/cm ²
	110 x 90 m.m. dia	Each	39.00	41.00	55.00
	140 x 90 m.m. dia	Each	52.00	61.00	68.00
	160 x 90 m.m. dia	Each	58.00	89.00	79.00
	140 x 110 m.m. dia	Each	53.00	78.00	86.00
	160 x 110 m.m. dia	Each	67.00	90.00	122.00
	160 x 140 m.m. dia	Each	71.00	143.00	172.00
	180 x 90 m.m. dia	Each	87.00	111.00	133.00
	180 x 110 m.m. dia	Each	92.00	141.00	190.00
	180 x 140 m.m. dia	Each	107.00	164.00	222.00
	180 x 160 m.m. dia	Each	121.00	183.00	246.00
	200 x 110 m.m. dia	Each	141.00	155.00	210.00
	200 x 140 m.m. dia	Each	181.00	177.00	214.00
	200 x 160 m.m. dia	Each	191.00	208.00	225.00
	200 x 180 m.m. dia	Each	214.00	222.00	266.00
	250 x 200 m.m. dia	Each	349.00	481.00	613.00
	315 x 250 m.m. dia	Each	626.00	850.00	1075.00

CHAPTER 8 – PIPE APPURTENANCES – C.I. & D.I. VALVES, MJ SPECIALS

Rate excluding Excise Duty

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.	
1	2	3	4	
8.34	Providing & fixing of Cast iron double flanged	Each	PN-1.0	PN-1.6

	sluice valves as per I.S.:14846-2000 fitted with cast iron cap including jointing & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete. (Steel Spindle)			
	100mm dia	Each	3961.00	4259.00
	125mm dia	Each	4339.00	4585.00
	150mm dia	Each	5838.00	6484.00
	200mm dia	Each	10226.00	11361.00
	250 mm dia	Each	15182.00	15732.00
	300mm dia	Each	18752.00	20364.00
	350mm dia	Each	33465.00	35835.00
	400mm dia	Each	40530.00	43710.00
	450mm dia	Each	47523.00	51238.00
	500mm dia	Each	78386.00	128145.00
	600mm dia	Each	91197.00	148448.00
	700 mm dia.	Each	211703.00	264088.00
	750 mm dia.	Each	228827.00	285436.00
	800 mm dia.	Each	246677.00	307723.00
	900 mm dia.	Each	323660.00	403927.00
	1000 mm dia.	Each	423467.00	528659.00
	1100 mm dia.	Each	712047.00	928051.00
	1200 mm dia.	Each	874944.00	1110439.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.	
1	2	3	4	
8.35	Supply of Single Chamber D.I. Air valve with body and cover in ductile iron of grade SG 50 or equivalent grade as per I.S. 3896-part2-1985 and subsequent revisions. All internal parts such as float shell etc. all cover bolts of stainless steel and gaskets and seals of EPDM. Epoxy powder coating (EP-P) inside and outside colour blue. Drilled as per IS:1538.	Each	P.N. 1.0/1.6	P.N. 2.5
	Dia (in mm)		P.N. 1.0/1.6	P.N. 2.5
	100	Each	47189.00	58986.00
	150	Each	61346.00	76682.00
	200	Each	69475.00	86844.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.		
1	2	3	4		
8.36	Supply of DI D/F Swing Check Valves Slanted/ Straight scated with metallic, corrosion proof and wear resistant seat faces, body and disc of ductile cast iron GGG 50/SG Iron 420/12 or equivalent grade as per IS 3896 (part-2) - 1985 and subsequent revisions. Shafts of stainless steel, shaft bearing of zinc free bronze and seat faces with nickel weld over lay, micro finished. All the inside and outside of the body is to be coated with double coating of Epoxy liquid. Drilled as per IS:1538.	Each	P.N. 1.0	P.N. 1.6	P.N. 2.5
	(Dia in mm)		P.N. 1.0	P.N. 1.6	P.N. 2.5
	100	Each	12641.00	13905.00	15991.00
	150	Each	23907.00	26298.00	30243.00
	200	Each	40672.00	44739.00	51450.00

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250	Each	57032.00	62736.00	72146.00
300	Each	82506.00	90757.00	104370.00
350	Each	136702.00	150372.00	172928.00
400	Each	159215.00	175136.00	201407.00
500	Each	260628.00	286691.00	329695.00
600	Each	361121.00	367302.00	422398.00
700	Each	639680.00	654251.00	752389.00
800	Each	652133.00	668459.00	768727.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.
1	2	3	4
8.37	Supply of DI D/F Sluice Valves Slanted/Straight seated with metallic, corrosion proof and wear resistant seat faces, body and disc of ductile cast iron GGG 50/SG Iron 420/12 or equivalent grade as per IS 3896 (part-2) - 1985 and subsequent revisions. Shafts of stainless steel, shaft bearing of zinc free bronze and seat faces with nickel weld over lay, micro finished. All the inside and outside of the body is to be coated with double coating of Epoxy liquid. Drilled as per IS : 1538.	Each	PN 1.6
	100mm dia	Each	5194.00
	125mm dia	Each	6198.00
	150mm dia	Each	8293.00
	200mm dia	Each	10414.00
	250mm dia	Each	19686.00
	300mm dia	Each	29430.00
	350mm dia	Each	36653.00
	400mm dia	Each	67686.00
	450mm dia	Each	83235.00
	500mm dia	Each	103281.00
	600mm dia	Each	113715.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.
1	2	3	4
8.38(a)	Providing & fixing cast iron double flanged single door reflux (non return) valves including jointing & testing with cost of jointing material such as bolts, nuts and rubber insertion all complete as per IS :5312 (Part I)	Each	PN- 1.0
	100mm dia	Each	2350.00
	150mm dia	Each	3857.00
	200mm dia	Each	6891.00
	250mm dia	Each	9758.00
	300mm dia	Each	13564.00
	350mm dia	Each	24756.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.
1	2	3	4
8.38(b)	Providing & fixing cast iron double flanged multi door reflux (non return) valves including jointing & testing with cost of jointing material such as bolts, nuts and rubber insertion all complete as per IS : 5312 (Part II)	Each	PN- 0.6 PN- 1.0
	400mm dia	Each	53262.00 59085.00
	450mm dia	Each	67506.00 73329.00
	500mm dia	Each	94443.00 112435.00
	600mm dia	Each	140874.00 159902.00

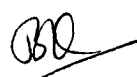
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	700mm dia	Each	165612.00	222104.00
	750mm dia	Each	256587.00	269018.00
	800mm dia	Each	293852.00	318026.00
	900mm dia	Each	342762.00	366936.00
	1000mm dia	Each	392543.00	416692.00
	1100mm dia	Each	442853.00	467015.00
	1200mm dia	Each	493717.00	517879.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.	
1	2	3	4	
8.39	Providing & fixing cast iron butterfly valves including jointing & testing with cost of jointing material such as bolts, nuts and rubber insertion all complete as per IS :13095-1991. (Valves above 200 mm dia should be gear operated)	Each	PN- 1.0	PN- 1.6
	100mm dia	Each	3028.00	3057.00
	150mm dia	Each	4146.00	4165.00
	200mm dia	Each	7894.00	7913.00
	250mm dia	Each	12168.00	12187.00
	300mm dia	Each	16513.00	16513.00
	350mm dia	Each	26580.00	26580.00
	400mm dia	Each	35165.00	35165.00
	450mm dia	Each	43720.00	43720.00
	500mm dia	Each	87304.00	87304.00
	600mm dia	Each	110303.00	110303.00
	700mm dia	Each	276909.00	276909.00
	750mm dia	Each	361144.00	361144.00
	800mm dia	Each	398416.00	398416.00
	900mm dia	Each	471431.00	471431.00
	1000mm dia	Each	760049.00	615832.00
	1100mm dia	Each	760233.00	760233.00
	1200mm dia	Each	904626.00	904626.00
	1400mm dia	Each	1069558.00	1049219.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.	
1	2	3	4	
8.40	Providing & fixing cast iron double air valves, flanged without in-built isolating valve as per IS : 14845-2000 including jointing & testing with cost of jointing material and rubber insertion all complete as per IS :13095-1991	Each	PN- 1.0	PN- 1.6
	100mm dia	Each	3034.00	3346.00
	150mm dia	Each	4146.00	5660.00
	200mm dia	Each	7825.00	8932.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.	
1	2	3	4	
8.41	Providing & fixing cast iron double air valves, flanged with in-built isolating valve as per IS : 14845-2000 including jointing & testing with cost of jointing material and rubber insertion all complete as per IS :13095-1991		PN- 1.0	PN- 1.6
	100mm dia	Each	2240.00	6608.00
	150mm dia	Each	4088.00	11310.00
	200mm dia	Each	8466.00	18367.00



USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.
1	2	3	4
8.42	Providing and fixing of cast iron plain ended sluice valves as per IS : 14846-2000 fitted with cast iron cap including jointing and testing with cost of jointing material C.I. detachable joints Conforming to IS 8794/1988 with bolts, nuts and rubber rings Conforming to IS 5382/85 & IS-10292/88 (Class 10) all complete.		PN- 1.0
	100mm dia	Each	4425.00
	150mm dia	Each	6706.00
	200mm dia	Each	11495.00
	300mm dia	Each	20797.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.
1	2	3	4
8.43	Providing and supply of Cast Iron Sluice Gate Square type Cast Iron Wall Thimble mounted, Manually operated, CL-PL : 5.50 Meter, Class – I, Flush Bottom Closure as per IS-13349 duly tested inclusive of all taxes related to central, state and municipal, inclusive of excise duty, inspection charges, transportation charges, transit insurance, loading/ unloading and stacking at site etc, complete.		
8.22.1	300X300 mm.	Each	166943.00
8.22.2	400X400 mm.	Each	186671.00
8.22.3	500X500 mm.	Each	219456.00
8.22.4	600X600 mm.	Each	245571.00
8.22.5	700X700 mm.	Each	250304.00
8.22.6	800X800 mm.	Each	292018.00
8.22.7	900X900 mm.	Each	321090.00
8.22.8	1000X1000 mm.	Each	366876.00
8.22.9	1100X1100 mm.	Each	382672.00
8.22.10	1200X1200 mm	Each	442114.00
8.22.11	1300X1300 mm.	Each	496837.00
8.22.12	1400X1400 mm.	Each	602098.00
8.22.13	1500X1500 mm.	Each	633483.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.
1	2	3	4
8.44	Providing and Supply of C.I. Mechanical Compression flanged /socket tail piece (Popularly known as 1TM Flanged/ Socket Tailpiece) suitable for making flanged connection with the plain barrel of C.I. Spun Pipes (as per IS- 1536/2001) and D.I. Pipes (as per IS 8329/2000). The Tailpiece to be supplied complete with sealing rubber gasket of S.B.R., C.I. Follower Glands and M.S. Nut Bolts. The whole assembly should be mechanically and hydraulically tested to the provisions as laid down in IS : 1538/1993.		
	100 mm	Each	1111.00
	125 mm	Each	1532.00
	150 mm	Each	1871.00
	200 mm	Each	2252.00
	250 mm	Each	3506.00
	300 mm	Each	4318.00
	350 mm	Each	5706.00

CSO

400 mm	Each	6580.00
450 mm	Each	8122.00
500 mm	Each	9819.00
600 mm	Each	15268.00
700 mm	Each	21488.00
750 mm	Each	24675.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.
1	2	3	4
8.45	Supply of C. I. Mechanical Compression Collar Coupling (Popularly known as Jiffy TM collar coupling) suitable for C.I.Spun pipe (as per IS 1536/2001) and D.I. pipes (as per IS 8329/2000). complete with sealing rubber gasket of SBR, C.I., Follower Glands and M.S. Nut Bolts. The whole assembly should be mechanically and hydraulically tested to the provisions as laid down in IS : 1538/1993.		
	100 mm	Each	884.00
	125 mm	Each	1223.00
	150 mm	Each	1450.00
	200 mm	Each	1943.00
	250 mm	Each	2653.00
	300 mm	Each	3454.00
	350 mm	Each	4884.00
	400 mm	Each	5809.00
	450 mm	Each	7505.00
	500 mm	Each	8790.00
	600 mm	Each	12903.00
	700 mm	Each	17889.00
	750 mm	Each	20974.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.
1	2	3	4
8.46	Supply of C. I. Mechanical Joint Double Socket 90°(1/4) Bends as dimensionally described in Table 14 of IS-13382/ 1992 complete with sealing rubber gasket of SBR (dimensionally described in IS-12820/ 1989) with cast iron follower gland and mild steel nut bolts coated or otherwise protected from rusting and suitable for C.I. Pipes.		
	100 mm	Each	2776.00
	125 mm	Each	3701.00
	150 mm	Each	4647.00
	200 mm	Each	6899.00
	250 mm	Each	9890.00
	300 mm	Each	13787.00
	350 mm	Each	21539.00
	400 mm	Each	27451.00
	450 mm	Each	34185.00
	500 mm	Each	42358.00
	600 mm	Each	62253.00
	700 mm	Each	94895.00
	750 mm	Each	112270.00

BB

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.
1	2	3	4
8.47	Supply of CI Mechanical joint Double Socket Socket45° (1/8) Bends as dimensionally described in Table 14 of IS-13382/ 1992 complete with sealing rubber gasket of SBR (dimensionally described in IS-12820/ 1989) with cast iron follower gland and mild steel nut bolts coated or otherwise protected from rusting and suitable for C.I. Pipes.		
	100 mm	Each	2581.00
	125 mm	Each	3290.00
	150 mm	Each	4123.00
	200 mm	Each	5973.00
	250 mm	Each	8256.00
	300 mm	Each	11535.00
	350 mm	Each	17427.00
	400 mm	Each	22002.00
	450 mm	Each	26474.00
	500 mm	Each	32334.00
	600 mm	Each	45597.00
	700 mm	Each	68987.00
	750 mm	Each	81119.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.
1	2	3	4
8.48	Supply of C. I. Mechanical Joint Double Socket 22.5°(1/16) Bends as dimensionally described in Table 14 of IS- 13382/ 1992 complete with sealing rubber gasket of SBR (dimensionally described in IS-12820/ 1989) with cast iron follower gland and mild steel nut bolts coated or otherwise protected from rusting and suitable for C.I. Pipes.		
	100 mm	Each	2467.00
	125 mm	Each	3105.00
	150 mm	Each	3917.00
	200 mm	Each	5459.00
	250 mm	Each	7402.00
	300 mm	Each	10199.00
	350 mm	Each	15370.00
	400 mm	Each	18660.00
	450 mm	Each	22310.00
	500 mm	Each	27245.00
	600 mm	Each	36858.00
	700 mm	Each	53976.00
	750 mm	Each	63743.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.
1	2	3	4
8.49	Supply of CI Mechanical joint Double Socket 11.25°(1/32) Bends as dimensionally described in Table 14 of IS- 13382/ 1992 complete with sealing rubber gasket of SBR (dimensionally described in IS-12820/ 1989) with cast iron follower gland and mild steel nut bolts coated or otherwise protected from rusting and suitable for C.I. Pipes.		
	100 mm	Each	2467.00

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	125 mm	Each	2982.00
	150 mm	Each	3701.00
	200 mm	Each	5151.00
	250 mm	Each	7001.00
	300 mm	Each	9582.00
	350 mm	Each	14137.00
	400 mm	Each	17272.00
	450 mm	Each	20305.00
	500 mm	Each	24521.00
	600 mm	Each	32643.00
	700 mm	Each	47191.00
	750 mm	Each	55416.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.
1	2	3	4
8.50	Supply of CI Mechanical joint All Socket Tees as dimensionally described in Table 18 of IS 13382/1992 complete with sealing rubber gasket of S.B.R. (dimensionally described in IS-12820/1989) with cast iron follower gland and mild steel nut bolts coated or otherwise protected from rusting and suitable for C.I. pipes.		
	100x100x80 mm	Each	3485.00
	100x100x100 mm	Each	3691.00
	150x150x80 mm	Each	4966.00
	150x150x100 mm	Each	5274.00
	150x150x150 mm	Each	6169.00
	200x200x80 mm	Each	6683.00
	200x200x100 mm	Each	7084.00
	200x200x150 mm	Each	8708.00
	200x200x200 mm	Each	8965.00
	250x250x80 mm	Each	9063.00
	250x250x100 mm	Each	9161.00
	250x250x150 mm	Each	10353.00
	250x250x200 mm	Each	11556.00
	250x250x250 mm	Each	12646.00
	300x300x80 mm	Each	11741.00
	300x300x100 mm	Each	12142.00
	300x300x150 mm	Each	13448.00
	300x300x200 mm	Each	14733.00
	300x300x250 mm	Each	16224.00
	300x300x300 mm	Each	18218.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.
1	2	3	4
8.51	Supply of CI Mechanical joint Double Socket with Flanged Tees inclusive of all taxes & duties, insurance, loading/unloading & stacking FOR at site complete.		
	100x100x80 mm	Each	3043.00
	100x100x100 mm	Each	3136.00
	150x150x80 mm	Each	4596.00
	150x150x100 mm	Each	4709.00
	150x150x150 mm	Each	5367.00
	200x200x80 mm	Each	6261.00
	200x200x100 mm	Each	6354.00
	200x200x150 mm	Each	7207.00

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	200x200x200 mm	Each	7927.00
	250x250x80 mm	Each	8235.00
	250x250x100 mm	Each	8420.00
	250x250x150 mm	Each	9397.00
	250x250x200 mm	Each	10363.00
	250x250x250 mm	Each	11340.00
	300x300x80 mm	Each	10857.00
	300x300x100 mm	Each	10949.00
	300x300x150 mm	Each	12122.00
	300x300x200 mm	Each	13294.00
	300x300x250 mm	Each	14486.00
	300x300x300 mm	Each	15566.00
	350x350x80 mm	Each	14291.00
	350x350x100 mm	Each	15216.00
	350x350x150 mm	Each	16656.00
	350x350x200 mm	Each	19534.00
	350x350x300 mm	Each	22516.00
	350x350x350 mm	Each	22516.00
	400x400x80 mm	Each	18198.00
	400x400x100 mm	Each	18198.00
	400x400x150 mm	Each	19534.00
	400x400x200 mm	Each	21590.00
	400x400x300 mm	Each	24932.00
	400x400x400 mm	Each	28530.00
	450x450x80 mm	Each	20871.00
	450x450x100 mm	Each	21693.00
	450x450x200 mm	Each	29558.00
	450x450x300 mm	Each	31615.00
	450x450x350 mm	Each	31615.00
	450x450x450 mm	Each	35624.00
	500x500x100 mm	Each	25446.00
	500x500x250 mm	Each	34339.00
	500x500x300 mm	Each	34339.00
	500x500x400 mm	Each	34905.00
	500x500x500 mm	Each	43592.00
	600x600x100 mm	Each	33928.00
	600x600x300 mm	Each	48116.00
	600x600x400 mm	Each	54233.00
	600x600x500 mm	Each	63075.00
	600x600x600 mm	Each	63075.00
	700x700x100 mm	Each	50481.00
	700x700x200 mm	Each	53873.00
	700x700x350 mm	Each	61276.00
	700x700x400 mm	Each	68781.00
	750x750x150 mm	Each	58808.00
	750x750x250 mm	Each	66622.00
	750x750x750 mm	Each	109700.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.
1	2	3	4
8.52	Supply of CI Mechanical joint Double Socket Reducers inclusive of all taxes & duties, insurance, loading/unloading & stacking FOR at site complete.		
	100x80 mm dia	Each	1542.00
	150x80 mm dia	Each	2190.00
	150x100 mm dia	Each	2406.00
	200x100 mm dia	Each	3197.00

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	200x150 mm dia	Each	3383.00
	250x150 mm dia	Each	4565.00
	250x200 mm dia	Each	4565.00
	300x150 mm dia	Each	4688.00
	300x200 mm dia	Each	6045.00
	300x250 mm dia	Each	5922.00
	350x200 mm dia	Each	6868.00
	350x250 mm dia	Each	6775.00
	350x300 mm dia	Each	9356.00
	400x250 mm dia	Each	11361.00
	400x300 mm dia	Each	11515.00
	400x350 mm dia	Each	10641.00
	450x400 mm dia	Each	12903.00
	450x350 mm dia	Each	13520.00
	450x300 mm dia	Each	12903.00
	500x350 mm dia	Each	17067.00
	500x400 mm dia	Each	17067.00
	500x450 mm dia	Each	16913.00
	600x400 mm dia	Each	24058.00
	600x450 mm dia	Each	24521.00
	600x500 mm dia	Each	23235.00
	700x500 mm dia	Each	42873.00
	700x600 mm dia	Each	39788.00
	750x600 mm dia	Each	45648.00
	750x700 mm dia	Each	44723.00
	800x450mm dia	Each	54799.00
	800x700mm dia	Each	53565.00

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.
1	2	3	4
8.53	Supply of DI Dismantling joint with M.S. Nut stud & washers coated for rust prevention & internal rubber rings etc. complete assembly set as per type design inclusive of all taxes & duties, insurance, loading/ unloading & stacking FOR at site complete.		
	100 mm	Each	2550.00
	150 mm	Each	4318.00
	200 mm	Each	6066.00
	250 mm	Each	8266.00
	300 mm	Each	10723.00
	350 mm	Each	16141.00
	400 mm	Each	19586.00
	450 mm	Each	23492.00
	500 mm	Each	27708.00
	600 mm	Each	39891.00
	700 mm	Each	59322.00
	750 mm	Each	68164.00
	800 mm	Each	75669.00
	900 mm	Each	89446.00
	1000 mm	Each	109906.00
	1100 mm	Each	138282.00
	1200 mm	Each	165116.00



CHAPTER 17 – M.S. PIPES, SPECIALS, FITTINGS INCLUDING

FABRICATION & LAYING

Rate excluding Excise Duty

USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.
1	2	3	4
17.11	Providing and Supplying of following M.S. pipes as per IS specifications with inside & outside epoxy coating as per relevant IS code, duly tested for usage in Drinking water inclusive of all materials, Central, State and Municipal taxes and duties inspection charges, transit insurance, loading/unloading FOR site unloading & stacking etc. complete as per direction of Engineer-in-Charge.		
17.11.1	Dia. of pipe 219.10 mm (O.D) Thickness of pipe :		
	4.80 mm	RM	1494.00
	5.60 mm	RM	1736.00
	6.40 mm	RM	1976.00
	7.00 mm	RM	2154.00
	7.90 mm	RM	2420.00
	8.20 mm	RM	2508.00
	8.70 mm	RM	2654.00
	9.50 mm	RM	2887.00
17.11.2	Dia. of pipe 273.10 mm (O.D) Thickness of pipe :		
	4.80 mm	RM	1873.00
	5.60 mm	RM	2177.00
	6.40 mm	RM	2480.00
	7.20 mm	RM	2780.00
	7.80 mm	RM	3004.00
	8.70 mm	RM	3339.00
	9.30 mm	RM	3560.00
17.11.3	Dia. of pipe 323.9 mm (O.D) Thickness of pipe :		
	5.60 mm	RM	2589.00
	6.40 mm	RM	2950.00
	7.10 mm	RM	3265.00
	7.90 mm	RM	3622.00
	8.40 mm	RM	3845.00
	8.70 mm	RM	3978.00
	9.50 mm	RM	4332.00
17.11.4	Dia. of pipe 355.7 mm (O.D) Thickness of pipe :		
	5.60 mm	RM	2851.00
	6.40 mm	RM	3249.00
	7.10 mm	RM	3596.00
	7.90 mm	RM	3990.00
	8.70 mm	RM	4383.00
	9.50 mm	RM	4773.00
17.11.5	Dia. of pipe 406.0 mm (O.D) Thickness of pipe :		
	5.60 mm	RM	3264.00
	6.40 mm	RM	3720.00
	7.10 mm	RM	4117.00
	7.90 mm	RM	4570.00
	8.70 mm	RM	5021.00
	9.50 mm	RM	5470.00

	10.00 mm	RM	5750.00
17.11.6	Dia. of pipe 457.0 mm (O.D) Thickness of pipe :		
	5.60 mm	RM	3681.00
	6.40 mm	RM	4196.00
	7.10 mm	RM	4646.00
	7.90 mm	RM	5157.00
	8.70 mm	RM	5667.00
	9.50 mm	RM	6175.00
	10.00 mm	RM	6492.00
17.11.7	Dia. of pipe 508.0 mm (O.D) Thickness of pipe :		
	5.60 mm	RM	4094.00
	6.40 mm	RM	4669.00
	7.10 mm	RM	5170.00
	7.90 mm	RM	5740.00
	8.70 mm	RM	6309.00
	9.50 mm	RM	6876.00
	10.00 mm	RM	7229.00
17.11.8	Dia. of pipe 559.0 mm (O.D) Thickness of pipe :		
	5.60 mm	RM	4519.00
	6.40 mm	RM	5152.00
	7.10 mm	RM	5705.00
	7.90 mm	RM	6335.00
	8.70 mm	RM	6963.00
	9.50 mm	RM	7589.00
	10.00 mm	RM	7979.00
17.11.9	Dia. of pipe 610.0 mm (O.D) Thickness of pipe :		
	5.60 mm	RM	4932.00
	6.40 mm	RM	5625.00
	7.10 mm	RM	6229.00
	7.90 mm	RM	6917.00
	8.70 mm	RM	7605.00
	9.50 mm	RM	8290.00
	10.00 mm	RM	8717.00
	12.00 mm	RM	10419.00
17.11.10	Dia. of pipe 660.0 mm (O.D) Thickness of pipe :		
	5.60 mm	RM	5338.00
	6.40 mm	RM	6088.00
	7.10 mm	RM	6743.00
	7.90 mm	RM	7490.00
	8.70 mm	RM	8234.00
	9.50 mm	RM	8977.00
	10.00 mm	RM	9441.00
17.11.11	Dia. of pipe 711.0 mm (O.D) Thickness of pipe :		
	5.60 mm	RM	5751.00
	6.40 mm	RM	6560.00
	7.10 mm	RM	7267.00
	7.90 mm	RM	8072.00
	8.70 mm	RM	8876.00
	9.50 mm	RM	9678.00
	10.00 mm	RM	10179.00
	12.00 mm	RM	12173.00

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17.11.12	Dia. of pipe 762.00. mm (O. D.) Thickness of pipe :		
	5.60 mm	RM	6164.00
	6.40 mm	RM	7032.00
	7.10 mm	RM	7791.00
	7.90 mm	RM	8656.00
	8.70 mm	RM	9518.00
	9.50 mm	RM	10380.00
	10.00 mm	RM	10917.00
17.11.13	Dia. of pipe 813.00. mm (O.D.) Thickness of pipe :		
	5.60 mm	RM	6578.00
	6.40 mm	RM	7505.00
	7.10 mm	RM	8315.00
	7.90 mm	RM	9238.00
	8.70 mm	RM	10161.00
	9.50 mm	RM	11081.00
	10.00 mm	RM	11655.00
	12.00 mm	RM	13945.00
17.11.14	Dia. of pipe 864.00. mm (O. D.) Thickness of pipe :		
	5.60 mm	RM	7008.00
	6.40 mm	RM	7994.00
	7.10 mm	RM	8856.00
	7.90 mm	RM	9839.00
	8.70 mm	RM	10820.00
	9.50 mm	RM	11799.00
	10.00 mm	RM	12410.00
17.11.15	Dia. of pipe 914.00 mm (O. D.) Thickness of pipe :		
	5.60 mm	RM	7413.00
	6.40 mm	RM	8457.00
	7.10 mm	RM	9370.00
	7.90 mm	RM	10410.00
	8.70 mm	RM	11449.00
	9.50 mm	RM	12486.00
	10.00 mm	RM	13134.00
17.11.16	Dia. of pipe 965.00 mm (O. D.) Thickness of pipe :		
	5.60 mm	RM	7843.00
	6.40 mm	RM	8946.00
	7.10 mm	RM	9911.00
	7.90 mm	RM	11010.00
	8.70 mm	RM	12108.00
	9.50 mm	RM	13205.00
	10.00 mm	RM	13889.00
17.11.17	Dia. of pipe 1016.00 mm (O. D.) Thickness of pipe :		
i)	5.60 mm	RM	8256.00
ii)	6.40 mm	RM	9419.00
iii)	7.10 mm	RM	10435.00
iv)	7.90 mm	RM	11593.00
v)	8.70 mm	RM	12750.00
vi)	9.50 mm	RM	13906.00
vii)	10.00 mm	RM	14626.00
viii)	12.00 mm	RM	17504.00
17.11.18	Dia. of pipe 1067.00 mm (O. D.) Thickness of pipe :		
	5.60 mm	RM	8669.00



	6.40 mm	RM	9891.00
	7.10 mm	RM	10958.00
	7.90 mm	RM	12176.00
	8.70 mm	RM	13392.00
	9.50 mm	RM	14607.00
	10.00 mm	RM	15365.00
17.11.19	Dia. of pipe 1118.00. mm (O. D.) Thickness of pipe :		
	5.60 mm	RM	9083.00
	6.40 mm	RM	10364.00
	7.10 mm	RM	11482.00
	7.90 mm	RM	12760.00
	8.70 mm	RM	14035.00
	9.50 mm	RM	15308.00
	10.00 mm	RM	16103.00
17.11.20	Dia. of pipe 1168.00. mm (O. D.) Thickness of pipe :		
	5.60 mm	RM	9488.00
	6.40 mm	RM	10827.00
	7.10 mm	RM	11996.00
	7.90 mm	RM	13331.00
	8.70 mm	RM	14664.00
	9.50 mm	RM	15996.00
	10.00 mm	RM	16827.00
17.11.21	Dia. of pipe 1219.00. mm (O. D.) Thickness of pipe :		
	6.40 mm	RM	11299.00
	7.10 mm	RM	12520.00
	7.90 mm	RM	13914.00
	8.70 mm	RM	15307.00
	9.50 mm	RM	16697.00
	10.00 mm	RM	17565.00
	12.00 mm	RM	21029.00
17.11.22	Dia. of pipe 1296.00. mm (O. D.) Thickness of pipe :		
	9.50 mm	RM	17781.00
	9.98 mm	RM	18667.00
	10.00 mm	RM	18704.00
17.11.23	Dia. of pipe 1321.00. mm (O. D.) Thickness of pipe :		
	6.40 mm	RM	12269.00
	7.10 mm	RM	13594.00
	7.90 mm	RM	15106.00
	8.70 mm	RM	16616.00
	9.50 mm	RM	18124.00
	10.00 mm	RM	19066.00
17.11.24	Dia. of pipe 1422.00. mm (O. D.) Thickness of pipe :		
	7.10 mm	RM	14631.00
	7.90 mm	RM	16260.00
	8.70 mm	RM	17887.00
	9.50 mm	RM	19513.00
	10.00 mm	RM	20528.00
	12.00 mm	RM	24580.00
17.11.25	Dia. of pipe 1473.00. mm (O. D.) Thickness of pipe :		
	9.50 mm	RM	20214.00
	9.98 mm	RM	21224.00

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17.11.26	Dia. of pipe 1524.00. mm (O. D.) Thickness of pipe :		
	7.10 mm	RM	15679.00
	7.90 mm	RM	17427.00
	8.70 mm	RM	19172.00
	9.50 mm	RM	20915.00
	10.00 mm	RM	22004.00
	11.90 mm	RM	26134.00
	12.00 mm	RM	26351.00
17.11.27	Dia. of pipe 1550.00. mm (O. D.) Thickness of pipe :		
	10.00 mm	RM	22380.00
	11.00 mm	RM	24593.00
17.11.28	Dia. of pipe 1576.00. mm (O. D.) Thickness of pipe :		
	9.50 mm	RM	21630.00
	10.00 mm	RM	22163.00
17.11.29	Dia. of pipe 1626.00. mm (O. D.) Thickness of pipe :		
	7.10 mm	RM	16727.00
	7.90 mm	RM	18593.00
	8.70 mm	RM	20456.00
	9.50 mm	RM	22318.00
	10.00 mm	RM	23480.00
	12.00 mm	RM	28123.00
17.11.30	Dia. of pipe 1650.00. mm (O. D.) Thickness of pipe :		
	7.90 mm	RM	18867.00
	8.70 mm	RM	20758.00
	9.50 mm	RM	22647.00
	10.00 mm	RM	23827.00
	12.00 mm	RM	28540.00
17.11.31	Dia. of pipe 1700.00. mm (O. D.) Thickness of pipe :		
	7.90 mm	RM	19438.00
	8.70 mm	RM	21388.00
	9.50 mm	RM	23335.00
	10.00 mm	RM	24551.00
	12.00 mm	RM	29408.00
17.11.32	Dia. of pipe 1750.00. mm (O. D.) Thickness of pipe :		
	7.90 mm	RM	20011.00
	8.70 mm	RM	22017.00
	9.50 mm	RM	24022.00
	10.00 mm	RM	25275.00
	12.00 mm	RM	30276.00
17.11.33	Dia. of pipe 1800.00. mm (O. D.) Thickness of pipe :		
i)	7.90 mm	RM	20582.00
ii)	8.70 mm	RM	22647.00
iii)	9.50 mm	RM	24710.00
iv)	10.00 mm	RM	25998.00
v)	12.00 mm	RM	31145.00

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USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.
1	2	3	4
17.12	Providing and Supplying of following M.S. pipes as per IS specifications with inside & outside epoxy coating as per relevant IS code, duly tested for usage in Drinking water inclusive of all materials, Central, State and Municipal taxes and duties inspection charges, transit insurance, loading/unloading FOR site unloading & stacking etc. complete as per direction of Engineer-in-Charge.		
17.12.1	Dia. of pipe 200.00 mm (I. D.) Thickness of pipe :		
i)	5.00 mm	RM	1489.00
ii)	6.00 mm	RM	1794.00
iii)	7.00 mm	RM	2102.00
iv)	8.00 mm	RM	2414.00
v)	9.00 mm	RM	2728.00
vi)	10.00 mm	RM	3045.00
17.12.2	Dia. of pipe 250.00 mm (I. D.) Thickness of pipe :		
i)	5.00 mm	RM	1853.00
ii)	6.00 mm	RM	2231.00
iii)	7.00 mm	RM	2612.00
iv)	8.00 mm	RM	2995.00
v)	9.00 mm	RM	3382.00
vi)	10.00 mm	RM	3771.00
17.12.3	Dia. of pipe 300.00 mm (I. D.) Thickness of pipe :		
i)	5.00 mm	RM	2217.00
ii)	6.00 mm	RM	2667.00
iii)	7.00 mm	RM	3120.00
iv)	8.00 mm	RM	3576.00
v)	9.00 mm	RM	4034.00
vi)	10.00 mm	RM	4496.00
17.12.4	Dia. of pipe 350.00 mm (I. D.) Thickness of pipe :		
i)	5.00 mm	RM	2582.00
ii)	6.00 mm	RM	3104.00
iii)	7.00 mm	RM	3630.00
iv)	8.00 mm	RM	4158.00
v)	9.00 mm	RM	4689.00
vi)	10.00 mm	RM	5223.00
17.12.5	Dia. of pipe 400.00 mm (I. D.) Thickness of pipe :		
i)	5.00 mm	RM	2949.00
ii)	6.00 mm	RM	3544.00
iii)	7.00 mm	RM	4142.00
iv)	8.00 mm	RM	4742.00
v)	9.00 mm	RM	5345.00
vi)	10.00 mm	RM	5952.00
17.12.6	Dia. of pipe 450.00 mm (I. D.) Thickness of pipe :		
i)	5.00 mm	RM	3315.00
ii)	6.00 mm	RM	3982.00
iii)	7.00 mm	RM	4652.00
iv)	8.00 mm	RM	5325.00
v)	9.00 mm	RM	6001.00
vi)	10.00 mm	RM	6680.00

17.12.7	Dia. of pipe 500.00 mm (I. D.) Thickness of pipe :		
i)	5.00 mm	RM	3677.00
ii)	6.00 mm	RM	4416.00
iii)	7.00 mm	RM	5159.00
iv)	8.00 mm	RM	5904.00
v)	9.00 mm	RM	6652.00
vi)	10.00 mm	RM	7403.00
17.12.8	Dia. of pipe 550.00 mm (I. D.) Thickness of pipe :		
i)	5.00 mm	RM	4050.00
ii)	6.00 mm	RM	4862.00
iii)	7.00 mm	RM	5676.00
iv)	8.00 mm	RM	6494.00
v)	9.00 mm	RM	7315.00
vi)	10.00 mm	RM	8138.00
17.12.9	Dia. of pipe 600.00 mm (I. D.) Thickness of pipe :		
i)	5.00 mm	RM	4412.00
ii)	6.00 mm	RM	5295.00
iii)	7.00 mm	RM	6183.00
iv)	8.00 mm	RM	7073.00
v)	9.00 mm	RM	7966.00
vi)	10.00 mm	RM	8862.00
vii)	12.00 mm	RM	10662.00
17.12.10	Dia. of pipe 650.00 mm (I. D.) Thickness of pipe :		
i)	5.00 mm	RM	4773.00
ii)	6.00 mm	RM	5730.00
iii)	7.00 mm	RM	6689.00
iv)	8.00 mm	RM	7652.00
v)	9.00 mm	RM	8617.00
vi)	10.00 mm	RM	9585.00
vii)	12.00 mm	RM	11531.00
17.12.11	Dia. of pipe 700.00 mm (I. D.) Thickness of pipe :		
i)	5.00 mm	RM	5135.00
ii)	6.00 mm	RM	6164.00
iii)	7.00 mm	RM	7196.00
iv)	8.00 mm	RM	8231.00
v)	9.00 mm	RM	9268.00
vi)	10.00 mm	RM	10309.00
vii)	12.00 mm	RM	12398.00
17.12.12	Dia. of pipe 750.00 mm (I. D.) Thickness of pipe :		
i)	5.00 mm	RM	5497.00
ii)	6.00 mm	RM	6598.00
iii)	7.00 mm	RM	7703.00
iv)	8.00 mm	RM	8809.00
v)	9.00 mm	RM	9920.00
vi)	10.00 mm	RM	11021.00
vii)	12.00 mm	RM	13267.00
17.12.13	Dia. of pipe 800.00 mm (I. D.) Thickness of pipe :		
i)	5.00 mm	RM	5859.00
ii)	6.00 mm	RM	7032.00
iii)	7.00 mm	RM	8209.00
iv)	8.00 mm	RM	9389.00
v)	9.00 mm	RM	10571.00

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vi)	10.00 mm	RM	11756.00
vii)	12.00 mm	RM	14136.00
17.12.14	Dia. of pipe 850.00 mm (I. D.) Thickness of pipe :		
i)	5.00 mm	RM	6237.00
ii)	6.00 mm	RM	7484.00
iii)	7.00 mm	RM	8820.00
iv)	8.00 mm	RM	9984.00
v)	9.00 mm	RM	11239.00
vi)	10.00 mm	RM	12496.00
vii)	12.00 mm	RM	15020.00
17.12.15	Dia. of pipe 900.00 mm (I. D.) Thickness of pipe :		
i)	5.00 mm	RM	6599.00
ii)	6.00 mm	RM	7917.00
iii)	7.00 mm	RM	9239.00
iv)	8.00 mm	RM	10563.00
v)	9.00 mm	RM	11890.00
vi)	10.00 mm	RM	13220.00
vii)	12.00 mm	RM	15889.00
17.12.16	Dia. of pipe 950.00 mm (I. D.) Thickness of pipe :		
i)	5.00 mm	RM	6978.00
ii)	6.00 mm	RM	8368.00
iii)	7.00 mm	RM	9762.00
iv)	8.00 mm	RM	11159.00
v)	9.00 mm	RM	12558.00
vi)	10.00 mm	RM	13961.00
vii)	12.00 mm	RM	16774.00
17.12.17	Dia. of pipe 1000.00 mm (I. D.) Thickness of pipe :		
i)	5.00 mm	RM	7340.00
ii)	6.00 mm	RM	8803.00
iii)	7.00 mm	RM	10269.00
iv)	8.00 mm	RM	11738.00
v)	9.00 mm	RM	13210.00
vi)	10.00 mm	RM	14685.00
vii)	12.00 mm	RM	17642.00
17.12.18	Dia. of pipe 1050.00 mm (I. D.) Thickness of pipe :		
i)	5.00 mm	RM	7701.00
ii)	6.00 mm	RM	9237.00
iii)	7.00 mm	RM	10776.00
iv)	8.00 mm	RM	12317.00
v)	9.00 mm	RM	13861.00
vi)	10.00 mm	RM	15408.00
vii)	12.00 mm	RM	18511.00
17.12.19	Dia. of pipe 1100.00 mm (I. D.) Thickness of pipe :		
i)	5.00 mm	RM	8063.00
ii)	6.00 mm	RM	9671.00
iii)	7.00 mm	RM	11282.00
iv)	8.00 mm	RM	12895.00
v)	9.00 mm	RM	14512.00
vi)	10.00 mm	RM	16132.00
vii)	12.00 mm	RM	19379.00

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17.12.20	Dia. of pipe 1200.00 mm (I. D.) Thickness of pipe :		
i)	5.00 mm	RM	8787.00
ii)	6.00 mm	RM	10540.00
iii)	7.00 mm	RM	12295.00
iv)	8.00 mm	RM	14053.00
v)	9.00 mm	RM	15815.00
vi)	10.00 mm	RM	17579.00
vii)	12.00 mm	RM	21116.00
17.12.21	Dia. of pipe 1300.00 mm (I. D.) Thickness of pipe :		
i)	6.00 mm	RM	11433.00
ii)	7.00 mm	RM	13333.00
iii)	8.00 mm	RM	15236.00
iv)	9.00 mm	RM	17142.00
v)	10.00 mm	RM	13183.00
vi)	12.00 mm	RM	22878.00
17.12.22	Dia. of pipe 1400.00 mm (I. D.) Thickness of pipe :		
i)	7.00 mm	RM	14346.00
ii)	8.00 mm	RM	16394.00
iii)	9.00 mm	RM	18445.00
iv)	10.00 mm	RM	20498.00
v)	12.00 mm	RM	24614.00
17.12.23	Dia. of pipe 1500.00 mm (I. D.) Thickness of pipe :		
i)	7.00 mm	RM	15359.00
ii)	8.00 mm	RM	17552.00
iii)	9.00 mm	RM	19747.00
iv)	10.00 mm	RM	21945.00
v)	12.00 mm	RM	26351.00
17.12.24	Dia. of pipe 1600.00 mm (I. D.) Thickness of pipe :		
i)	7.00 mm	RM	16372.00
ii)	8.00 mm	RM	18710.00
iii)	9.00 mm	RM	21050.00
iv)	10.00 mm	RM	23393.00
v)	12.00 mm	RM	28088.00
17.12.25	Dia. of pipe 1700.00 mm (I. D.) Thickness of pipe :		
i)	8.00 mm	RM	19867.00
ii)	9.00 mm	RM	22352.00
iii)	10.00 mm	RM	24840.00
iv)	12.00 mm	RM	29824.00
17.12.26	Dia. of pipe 1800.00 mm (I. D.) Thickness of pipe :		
i)	8.00 mm	RM	21025.00
ii)	9.00 mm	RM	23655.00
iii)	10.00 mm	RM	26287.00
iv)	12.00 mm	RM	31561.00



USOR Item No.	Particulars of Items	Unit	Rate (excluding Excise Duty) in Rs.
1	2	3	4
17.13	Fabrication of M.S. pipes & specials as per IS specifications with inside & outside epoxy coating as per relevant IS code, duly tested for usage in Drinking water inclusive of all materials, Central, State and Municipal taxes and duties inspection charges, transit insurance, loading/unloading FOR site unloading & stacking etc. complete as for direction of Engineer-in-Charge.		
17.13.1	Fabricating pipes from steel plates (all thickness)		
(i)	5 to 8 mm	MT	7950.00
(ii)	8 to 12 mm	MT	5385.00

Encl:- Nil

Engineer-in-Chief
Public Health Engineering Department
Chhattisgarh, Raipur

Endt. No. 822...../T.S./E.In.C./PHED/ Raipur

Dated 28-1-16

Copy is forwarded to :-

1. Additional Chief Secretary, Govt. of Chhattisgarh, Public Health Engineering Department, Mantralaya Raipur.
2. Engineer- in-Chief, PWD/Water Resources Department, Raipur.
3. The Accountant General, Chhattisgarh, Near Vidhan Sabha, Raipur.
4. The Chief Technical Examiner, 1st Floor, Indrawati Bhawan, Naya Raipur .
5. The Chief Engineer, Raipur Zone Raipur/Bilaspur zone Bilaspur/Jagdalpur Zone Jagdalpur.
6. Superintending Engineer, PHED Raipur Circle Raipur/Durg Circle Durg/ Bilaspur Circle Bilaspur/ Ambikapur Circle Ambikapur/Jagdalpur Circle Jagdalpur/ Kondagaon Circle Kondagaon/ Superintending Engineer (E/M) Raipur.
7. All Executive Engineer, Civil/E/M.

Encl:- Nil

Engineer-In-Chief
Public Health Engineering Department
Chhattisgarh, Raipur