

Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
27-1	Boring for tubewell in all types of soil except shingle, gravel and rock from ground bed to 100ft (30m) depth including sinking and withdrawing casing pipe & disposal of excavated material within 100ft (30m)				27.1.2
a)	3 " (75 mm) dia.	R.M. R.ft.	185.15 56.45	204.90 62.45	
b)	4 " (100 mm) dia.	R.M. R.ft.	277.75 84.65	307.35 93.70	
c)	5 inches (125 mm) dia.	R.M. R.ft.	416.65 127.00	461.05 140.55	
d)	6 " (150 mm) dia.	R.M. R.ft.	625.00 190.50	691.60 210.80	
e)	8 " (200 mm) dia.	R.M. R.ft.	937.50 285.75	1037.40 316.20	
f)	10 " (250 mm) dia.	R.M. R.ft.	1171.90 357.20	1296.75 395.25	
g)	12 " (300 mm) dia.	R.M. R.ft.	1464.90 446.50	1620.95 494.05	
h)	15 "(375 mm) dia.	R.M. R.ft.	1831.15 558.15	2026.20 617.60	
i)	18" (450 mm) inner dia.	R.M. R.ft.	2288.95 697.70	2532.75 772.00	
27-2	Boring for tubewell in all types of soil except shingle, gravel and rock from depth 100 ft. to 200 ft. (30m to 60m.) below ground level including sinking and withdrawing of casing pipe				27.1.2
a)	5 inches (125 mm) dia.	R.M. R.ft.	708.30 215.90	783.80 238.90	
b)	6 " (150 mm) dia.	R.M. R.ft.	1000.00 304.80	1106.55 337.30	
c)	8 " (200 mm) dia.	R.M. R.ft.	1218.75 371.50	1348.60 411.05	
d)	10 " (250 mm) dia.	R.M. R.ft.	1406.30 428.65	1556.10 474.30	
e)	12 " (300 mm) dia.	R.M. R.ft.	1684.65 513.50	1864.10 568.20	
f)	15 "(375 mm) dia.	R.M. R.ft.	2105.80 641.85	2330.15 710.25	
g)	18" (450 mm) inner dia.	R.M. R.ft.	2632.30 802.35	2912.65 887.80	



Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
27-3	Boring for tubewell in all types of soil except shingle, gravel and rock from depth 200 ft. to 300 ft. (60m to 90m.) below ground level including sinking and withdrawing of casing pipe				27.1.2
a)	5 inches (125 mm) dia.	R.M. R.ft.	956.20 291.45	1058.15 322.55	
b)	6 " (150 mm) dia.	R.M. R.ft.	1250.00 381.00	1493.85 455.35	
c)	8 " (200 mm) dia.	R.M. R.ft.	1523.45 464.35	1685.75 513.80	
d)	10 " (250 mm) dia.	R.M. R.ft.	1687.55 514.35	1867.30 569.15	
e)	12 " (300 mm) dia.	R.M. R.ft.	2021.60 616.20	2236.90 681.80	
f)	15 "(375 mm) dia.	R.M. R.ft.	2316.40 706.05	2563.15 781.25	
g)	18 " (450 mm) dia.	R.M. R.ft.	2895.55 882.55	3203.90 976.55	
27-4	Boring for tubewell in all types of soil except shingle, gravel and rock from depth 300 ft. to 400 ft. (90m to 120m) below ground level including sinking and withdrawing of casing pipe				27.1.2
a)	8 " (200 mm) dia.	R.M. R.ft.	1828.15 557.25	2022.90 616.60	
b)	10 " (250 mm) dia.	R.M. R.ft.	2025.05 617.25	2240.75 683.00	
c)	12 " (300 mm) dia.	R.M. R.ft.	2425.90 739.40	2684.30 818.20	
d)	15 "(375 mm) dia.	R.M. R.ft.	2779.70 847.25	3075.80 937.50	
e)	18 " (450 mm) dia.	R.M. R.ft.	3474.65 1059.10	3844.70 1171.90	
27-5	Direct rotary and/or reverse rotary drilling for exploratory holes for 4" to 5" (100mm to 125mm) dia. in any kind of soil except shingle, gravel or rock.	R.M. R.ft.	- -	5064.80 1543.75	27.1.2
27-6	Direct rotary and/or reverse rotary drilling for exploratory holes for 4" to 5" (100mm to 125mm) dia. in shingle, gravel or rock.	R.M. R.ft.	- -	10129.60 3087.55	27.1.2
27-7	Direct rotary and/or reverse rotary drilling of bore for tubewells including extraction of casing pipes in all types of soil except shingle, gravel and rock.				27.1.2
a)	From ground level upto 250 ft. (75 m) below ground level				
i)	15" to 18" (375 mm to 450 mm) inner dia.	R.M. R.ft.	- -	7122.75 2171.05	




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			Labour	Composite	
ii)	20" to 30" (500 mm to 750 mm) inner dia.	R.M.	-	8121.00	27.1.2
		R.ft.	-	2475.30	
b)	Exceeding 250 ft (75 m.) depth below ground level				
i)	15" to 18" (375 mm to 450 mm) inner dia.	R.M.	-	8191.15	
		R.ft.	-	2496.70	
ii)	20" to 30" (500 mm to 750 mm) inner dia.	R.M.	-	9339.15	
		R.ft.	-	2846.60	
27-8	Direct rotary and/or reverse rotary drilling of bore for tubewells including extraction of casing pipes in shingle, gravel and rock.				
a)	From ground level upto 250 ft. (75 m) below ground level				
i)	15" to 18" (375 mm to 450 mm) inner dia.	R.M.	-	7122.75	
		R.ft.	-	2171.05	
ii)	20" to 30" (500 mm to 750 mm) inner dia.	R.M.	-	8121.00	
		R.ft.	-	2475.30	
b)	Exceeding 250 ft (75 m.) depth below ground level				
i)	15" to 18" (375 mm to 450 mm) inner dia.	R.M.	-	8191.15	
		R.ft.	-	2496.70	
ii)	20" to 30" (500 mm to 750 mm) inner dia.	R.M.	-	9339.15	
		R.ft.	-	2846.60	
27-9	Providing box 48"x 30"x 9" (1.2m x 0.75m x 0.23m) of deodar wood planks with compartment 4" x 4" (100mm x 100mm) including locking arrangement for preserving strata samples from borehole and painted with two coats of paint. The top and bottom of the box to be of 1/2" (12mm) planks, sides and compartments to be of 1/4" (6mm) planks.	Each	1082.75	7205.85	27.1.2
27-10	Furnishing sample of water from bore hole.	Per set of two bottles	732.00	829.60	27.1.2
27-11	Providing and installing brass strainer in tubewell bore hole including specials, sockets and studs of the nominal inner diameter				27.1.3
a)	2" (50 mm) dia. and 5/32" (4 mm) wall thickness	R.M.	59.50	6934.80	
		R.ft.	18.15	2113.75	
b)	3" (75 mm) dia. and 5/32" (4 mm) wall thickness	R.M.	59.50	9765.80	
		R.ft.	18.15	2976.65	
c)	4" (100 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	59.50	10512.45	
		R.ft.	18.15	3204.25	
d)	5" (125 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	59.50	12254.60	
		R.ft.	18.15	3735.25	
e)	6" (150 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	59.50	12603.05	
		R.ft.	18.15	3841.45	
f)	7" (175 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	59.50	14867.85	
		R.ft.	18.15	4531.80	

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			Labour	Composite	
g)	8" (200 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	59.50	17481.10	27.1.3
		R.ft.	18.15	5328.30	
h)	9" (225 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	59.50	19223.25	
		R.ft.	18.15	5859.30	
i)	10" (250 mm) dia. with 3/16" (5 mm) wall thickness	R.M.	59.50	21313.85	
		R.ft.	18.15	6496.55	
j)	10" (250 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	59.50	21836.50	
		R.ft.	18.15	6655.85	
k)	12" (300 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	59.50	22707.60	
		R.ft.	18.15	6921.35	
l)	15" (375 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	59.50	30547.30	
		R.ft.	18.15	9310.95	
m)	18" (450 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	59.50	41871.35	
		R.ft.	18.15	12762.55	
n)	20" (500 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	59.50	48840.00	
		R.ft.	18.15	14886.60	
o)	22" (550 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	59.50	55808.60	
		R.ft.	18.15	17010.65	
27-12	Providing and installing M.S. bail plug in tubewell bore hole 1.5 ft. (50cm) long and of the nominal inner diameter.				
a)	2" (50 mm) dia.	Each	109.05	668.35	
b)	3" (75 mm) dia.	Each	109.05	950.05	
c)	4" (100 mm) dia.	Each	109.05	1611.45	
d)	5 inches (125 mm) dia.	Each	109.05	2089.15	
e)	6" (150 mm) dia.	Each	109.05	2456.55	
f)	7" (175 mm) dia.	Each	109.05	2926.05	
g)	8" (200 mm) dia.	Each	109.05	3171.00	
h)	9" (225 mm) dia.	Each	109.05	3579.30	
i)	10" (250 mm) dia.	Each	109.05	4885.75	
j)	12" (300 mm) dia.	Each	109.05	5865.55	
27-13	Providing and installing fibre glass strainer in tubewell bore hole including sockets and solvents.				
a)	8" (200 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	49.55	4219.20	27.1.3
		R.ft.	15.10	1286.05	
b)	10" (250 mm) dia. and 0.2" to 0.22" (5 mm to 5.5 mm) wall	R.M.	49.55	4682.50	
		R.ft.	15.10	1427.25	

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			Labour	Composite	
27-14	Providing and installing fibre glass bail/end plug in tubewell bore.				
a)	8 " (200 mm) dia.	Each	49.55	6210.55	27.1.3
b)	10 " (250 mm) dia.	Each	49.55	6210.55	
27-15	Providing and installing fibre glass blank pipe Zamrock or similar make in tubewell bore hole including coupling and jointing with strainer.				27.1.3
a)	8" (200 mm) dia. and 3/16" (5 mm) wall thickness	R.M. R.ft.	49.55 15.10	4020.65 1225.50	
b)	10" (250 mm) dia. with 3/16" (5 mm) wall thickness	R.M. R.ft.	59.50 18.15	4417.75 1346.55	
c)	14" (350 mm) dia. and 3/16" to 1/4" (5 mm to 6 mm) wall	R.M. R.ft.	59.50 18.15	6668.05 2032.45	
27-16	Providing and installing P.V.C. strainer in tubewell bore hole including sockets and solvent Shavyl Karachi or equivalent make of the nominal inner diameter.				27.1.3
a)	Class B				
i)	3 " (75 mm) dia.	R.M. R.ft.	59.50 18.15	251.10 76.55	
ii)	4 " (100 mm) dia.	R.M. R.ft.	59.50 18.15	333.25 101.60	
iii)	5 inches (125 mm) dia.	R.M. R.ft.	74.75 22.80	458.00 139.60	
iv)	6 " (150 mm) dia.	R.M. R.ft.	74.75 22.80	646.65 197.10	
v)	8 " (200 mm) dia.	R.M. R.ft.	122.00 37.20	902.25 275.00	
vi)	10 " (250 mm) dia.	R.M. R.ft.	122.00 37.20	1333.40 406.45	
vii)	12 " (300 mm) dia.	R.M. R.ft.	148.70 45.30	1928.20 587.70	
vii)	14" (350 mm) inner dia.	R.M. R.ft.	148.70 45.30	2284.10 696.20	
b)	Class D				
i)	1.25" (30 mm) dia.	R.M. R.ft.	39.65 12.10	135.45 41.30	
ii)	1.5" (40 mm) inner dia.	R.M. R.ft.	39.65 12.10	142.30 43.35	
iii)	2 " (50 mm) dia.	R.M. R.ft.	49.55 15.10	200.15 61.00	

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			Labour	Composite	
iv)	3 " (75 mm) dia.	R.M.	59.50	360.60	27.1.3
		R.ft.	18.15	109.90	
v)	4 " (100 mm) dia.	R.M.	59.50	538.60	
		R.ft.	18.15	164.15	
vi)	5 inches (125 mm) dia.	R.M.	99.15	797.25	
		R.ft.	30.20	243.00	
vii)	6 " (150 mm) dia.	R.M.	99.15	1084.70	
		R.ft.	30.20	330.60	
27-17	Providing and installing P.V.C. elbow Shavyl or equivalent make.				
a)	Class B				
i)	3 " (75 mm) dia.	Each	29.75	200.85	
ii)	4 " (100 mm) dia.	Each	29.75	248.75	
iii)	5 inches (125 mm) dia.	Each	29.75	536.20	
iv)	6 " (150 mm) dia.	Each	39.65	724.05	
v)	8 " (200 mm) dia.	Each	39.65	5172.80	
vi)	10 " (250 mm) dia.	Each	39.65	5994.10	
vii)	12 " (300 mm) dia.	Each	59.50	8683.15	
vii)	14" (350 mm) inner dia.	Each	59.50	13063.50	
b)	Class D				
i)	1.25" (30 mm) dia.	Each	19.85	101.95	
ii)	1.5" (40 mm) dia.	Each	19.85	129.35	
iii)	2 " (50 mm) dia.	Each	19.85	156.75	
iv)	3 " (75 mm) dia.	Each	29.75	365.10	
v)	4 " (100 mm) dia.	Each	29.75	440.40	
vi)	5 inches (125 mm) dia.	Each	29.75	403.45	
vii)	6 " (150 mm) dia.	Each	29.75	656.70	
27-18	Providing and installing M.S. blind pipe socketed seamless welded joint or hand welded joint, M.S. reducer where necessary in tubewell bore hole including jointing and welding with strainer of the nominal inner diameter.				27.1.3
a)	2" (50 mm) dia. and 1/8" (3 mm) wall thickness	R.M.	99.15	1499.80	
		R.ft.	30.20	457.15	
b)	3" (75 mm) dia. and 1/8" (3 mm) wall thickness	R.M.	99.15	2092.50	
		R.ft.	30.20	637.80	

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			Labour	Composite	
c)	4" (100 mm) dia. and 1/8" (3 mm) wall thickness	R.M.	128.85	2774.40	27.1.3
		R.ft.	39.25	845.65	
d)	5" (125 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	128.85	5401.55	
		R.ft.	39.25	1646.40	
e)	6" (150 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	198.25	6426.30	
		R.ft.	60.45	1958.75	
f)	7" (175 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	198.25	7464.30	
		R.ft.	60.45	2275.15	
g)	8" (200 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	224.95	9236.30	
		R.ft.	68.55	2815.25	
h)	9" (225 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	224.95	10568.30	
		R.ft.	68.55	3221.25	
i)	10" (250 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	224.95	13792.55	
		R.ft.	68.55	4204.00	
j)	12" (300 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	297.40	16253.30	
		R.ft.	90.65	4954.05	
k)	15" (375 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	297.40	20249.20	
		R.ft.	90.65	6172.05	
l)	18" (450 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	297.40	25099.35	
		R.ft.	90.65	7650.35	
m)	20" (500 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	346.95	27904.65	
		R.ft.	105.75	8505.45	
n)	22" (550 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	346.95	30660.45	
		R.ft.	105.75	9345.40	
27-19	Providing and Installing P.V.C. blind pipe Shavyl or equivalent make in tubewell bore hole and/or laying, cutting, jointing, testing and disinfecting P.V.C. pipe lines in trenches.				
a)	Class B				
i)	3 " (75 mm) dia.	R.M.	99.15	359.20	
		R.ft.	30.20	109.50	
ii)	4 " (100 mm) dia.	R.M.	99.15	468.75	
		R.ft.	30.20	142.90	
iii)	5 inches (125 mm) dia.	R.M.	148.70	668.85	
		R.ft.	45.30	203.85	
iv)	6 " (150 mm) dia.	R.M.	148.70	874.20	
		R.ft.	45.30	266.45	
v)	8 " (200 mm) dia.	R.M.	198.25	1389.15	
		R.ft.	60.45	423.40	

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vi)	10 " (250 mm) dia.	R.M.	198.25	2080.40	27.1.6	
		R.ft.	60.45	634.10		
vii	12 " (300 mm) dia.	R.M.	247.80	2917.05		
		R.ft.	75.55	889.15		
vii	14" (350 mm) inner dia.	R.M.	247.80	3457.75		
		R.ft.	75.55	1053.95		
						
b) Class D						
i)	1.25" (30 mm) dia.	R.M.	49.55	145.40		
		R.ft.	15.10	44.30		
ii)	1.5" (40 mm) dia.	R.M.	49.55	172.75		
		R.ft.	15.10	52.65		
iii)	2 " (50 mm) dia.	R.M.	72.45	257.25		
		R.ft.	22.10	78.40		
iv)	3 " (75 mm) dia.	R.M.	72.45	455.75		
		R.ft.	22.10	138.90		
v)	4 " (100 mm) dia.	R.M.	99.15	852.00		
		R.ft.	30.20	259.70		
vi)	6 " (150 mm) dia.	R.M.	99.15	1454.30		
		R.ft.	30.20	443.30		
27-20	Testing and development of tubewell of size 6" (150 mm) inner dia. and above continuously				27.1.6	
a)	Upto 1.5 cusecs (0.0425 cumec) discharge	Job	-	36331.05		
b)	Above 1.5 cusecs (0.0425 cumec) capacity	Job	-	45413.80		
27-21	Shrouding with graded pea gravel 3/8" to 1/8" (10 mm to 3mm) around tubewell bore hole.	Cu.m.	610.00	1549.40	27.1.4	
		Cu.ft.	17.25	43.90		
27-22	Providing, laying, cutting, jointing, testing and disinfecting C.I. pipe line in trenches with spigot and socket, chaulked lead or comet joints or flanged joints or tyton joints including cost of materials such as lead, comet and yarn. (Cost of specials and their installation not included).				27.3.1.1	
i)	3 " (75 mm) dia.	R.M.	39.65	2559.55	27.3.1.1	
		R.ft.	12.10	780.15		
ii)	4 " (100 mm) dia.	R.M.	39.65	3459.05		
		R.ft.	12.10	1054.35		
iii)	6 " (150 mm) dia.	R.M.	59.50	5659.30		
		R.ft.	18.15	1725.00		
iv)	8 " (200 mm) dia.	R.M.	99.15	8498.85		
		R.ft.	30.20	2590.50		

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27-23	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipe line III or equivalent make including the cost of specials and cost of painting 2 coats with bitumen to pipes and specials after cleaning and wrapping tightly hessian cloth soaked in Mexphalt composition around pipes.				27.3.1.1
	a) Light duty				
	i) 1/2" (15 mm) inner dia.	R.M. R.ft.	39.65 12.10	250.60 76.40	
	ii) 3/4" (20 mm) inner dia.	R.M. R.ft.	39.65 12.10	343.65 104.75	
	iii) 1" (25 mm) dia.	R.M. R.ft.	49.55 15.10	477.65 145.60	
	iv) 1.25" (30 mm) dia.	R.M. R.ft.	49.55 15.10	614.10 187.20	
	v) 1.5" (40 mm) dia.	R.M. R.ft.	72.45 22.10	792.10 241.45	
	vi) 2 " (50 mm) dia.	R.M. R.ft.	72.45 22.10	978.25 298.15	
	vii) 3 " (75 mm) dia.	R.M. R.ft.	89.20 27.20	1330.00 405.40	
	vii) 4 " (100 mm) dia.	R.M. R.ft.	89.20 27.20	1547.15 471.60	
	b) Medium duty				
	i) 1/2" (15 mm) inner dia.	R.M. R.ft.	39.65 12.10	294.00 89.60	
	ii) 3/4" (20 mm) inner dia.	R.M. R.ft.	39.65 12.10	368.45 112.30	
	iii) 1" (25 mm) dia.	R.M. R.ft.	49.55 15.10	552.05 168.25	
	iv) 1.25" (30 mm) dia.	R.M. R.ft.	49.55 15.10	694.75 211.75	
	v) 1.5" (40 mm) dia.	R.M. R.ft.	72.45 22.10	823.15 250.90	
	vi) 2 " (50 mm) dia.	R.M. R.ft.	72.45 22.10	978.25 298.15	
	vii) 2.5" (65 mm) inner dia.	R.M. R.ft.	89.20 27.20	1423.05 433.75	
	vii) 3 " (75 mm) dia.	R.M. R.ft.	89.20 27.20	1770.50 539.65	



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			Labour	Composite	
ix)	4 " (100 mm) dia.	R.M.	99.15	2518.70	27.3.1.1 27.3.2
		R.ft.	30.20	767.70	
x)	5 inches (125 mm) dia.	R.M.	122.00	3453.55	
		R.ft.	37.20	1052.65	
xi)	6 " (150 mm) dia.	R.M.	122.00	4011.90	
		R.ft.	37.20	1222.85	
27-24	Replacing burst/damaged G.I. pipe line with all excavation, cutting, providing new G.I. medium duty pipe, union, tees, bends, sockets, including threading etc. and painting with 2 coats of bitumen to pipes and specials after cleaning and wrapping tightly hessian cloth soaked in Maxphalt composition around pipes including cost of testing and disinfecting (cost of pipes and all accessories included)				
i)	1/2" (15 mm) inner dia.	R.M.	198.25	452.60	
		R.ft.	60.45	137.95	
ii)	3/4" (20 mm) inner dia.	R.M.	198.25	527.05	
		R.ft.	60.45	160.65	
iii)	1" (25 mm) dia.	R.M.	198.25	700.75	
		R.ft.	60.45	213.60	
iv)	1.25" (30 mm) dia.	R.M.	198.25	843.45	
		R.ft.	60.45	257.10	
v)	1.5" (40 mm) dia.	R.M.	198.25	948.95	
		R.ft.	60.45	289.25	
vi)	2 " (50 mm) dia.	R.M.	198.25	1104.05	
		R.ft.	60.45	336.50	
vii)	2.5" (65 mm) inner dia.	R.M.	198.25	1532.10	
		R.ft.	60.45	467.00	
vii)	3 " (75 mm) dia.	R.M.	198.25	1879.55	
		R.ft.	60.45	572.90	
ix)	4 " (100 mm) dia.	R.M.	198.25	2617.80	
		R.ft.	60.45	797.90	
x)	5 inches (125 mm) dia.	R.M.	198.25	3529.80	
		R.ft.	60.45	1075.90	
xi)	6 " (150 mm) dia.	R.M.	198.25	4088.15	
		R.ft.	60.45	1246.10	
27-25	Providing, laying, cutting, jointing, testing and disinfecting asbestos cement pipe line in trenches including comet joint and rubber ring.				
a)	Class B working pressure				
i)	3 " (75 mm) dia.	R.M.	99.15	723.60	27.3.1.1 27.3.2
		R.ft.	30.20	220.55	

Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
ii)	4 " (100 mm) dia.	R.M.	99.15	956.30	
		R.ft.	30.20	291.50	
iii)	6 " (150 mm) dia.	R.M.	148.70	1495.65	
		R.ft.	45.30	455.90	
iv)	8 " (200 mm) dia.	R.M.	148.70	2369.10	
		R.ft.	45.30	722.10	
v)	10 " (250 mm) dia.	R.M.	247.80	3431.50	
		R.ft.	75.55	1045.95	
vi)	12 " (300 mm) dia.	R.M.	247.80	4288.60	
		R.ft.	75.55	1307.20	
vii)	14" (350 mm) inner dia.	R.M.	346.95	5530.61	
		R.ft.	105.75	1685.75	
vii)	16" (400 mm) inner dia	R.M.	346.95	6938.80	
		R.ft.	105.75	2114.95	
ix)	18 " (450 mm) dia.	R.M.	446.05	8650.15	
		R.ft.	135.95	2636.60	
x)	20" (500 mm) inner dia.	R.M.	446.05	10568.50	
		R.ft.	135.95	3221.30	
xi)	24" (600 mm) inner dia.	R.M.	495.65	14577.25	
		R.ft.	151.10	4443.20	
b)	Class C working pressure				
i)	3 " (75 mm) dia.	R.M.	99.15	690.99	
		R.ft.	30.20	210.60	
ii)	4 " (100 mm) dia.	R.M.	99.15	968.54	
		R.ft.	30.20	295.20	
iii)	6 " (150 mm) dia.	R.M.	148.70	1658.90	
		R.ft.	45.30	505.65	
iv)	8 " (200 mm) dia.	R.M.	148.70	2552.78	
		R.ft.	45.30	778.10	
v)	10 " (250 mm) dia.	R.M.	247.80	3602.90	
		R.ft.	75.55	1098.20	
vi)	12 " (300 mm) dia.	R.M.	247.80	4929.43	
		R.ft.	75.55	1502.50	
vii)	14" (350 mm) inner dia.	R.M.	346.95	7575.52	
		R.ft.	105.75	2309.05	
vii)	16" (400 mm) inner dia	R.M.	346.95	9595.93	
		R.ft.	105.75	2924.85	
ix)	18 " (450 mm) dia.	R.M.	446.05	11792.99	
		R.ft.	135.95	3594.55	



Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
x)	20" (500 mm) inner dia.	R.M. R.ft.	446.05 135.95	13956.25 4253.90	
xi)	24" (600 mm) inner dia.	R.M. R.ft.	495.65 151.10	19556.87 5961.00	
c)	Class D working pressure				
i)	3 " (75 mm) dia.	R.M. R.ft.	99.15 30.20	723.64 220.55	
ii)	4 " (100 mm) dia.	R.M. R.ft.	99.15 30.20	1144.05 348.70	
iii)	6 " (150 mm) dia.	R.M. R.ft.	148.70 45.30	2062.99 628.80	
iv)	8 " (200 mm) dia.	R.M. R.ft.	148.70 45.30	3544.62 1080.40	
v)	10 " (250 mm) dia.	R.M. R.ft.	247.80 75.55	5272.29 1607.00	
vi)	12 " (300 mm) dia.	R.M. R.ft.	247.80 75.55	7594.74 2314.90	
vii)	14" (350 mm) inner dia.	R.M. R.ft.	346.95 105.75	11322.46 3451.15	
vii)	16" (400 mm) inner dia	R.M. R.ft.	346.95 105.75	14542.87 4432.70	
ix)	18 " (450 mm) dia.	R.M. R.ft.	446.05 135.95	17544.01 5347.50	
x)	20" (500 mm) inner dia.	R.M. R.ft.	446.05 135.95	21307.27 6494.55	
27-26	Providing, laying, cutting, jointing, testing and disinfecting Ductile iron pipe line in trenches including all fittings and accessories.				27.3.1.1 27.3.2
i)	4 " (100 mm) dia.	R.M. R.ft.	346.95 105.75	1591.35 485.05	
ii)	6 " (150 mm) dia.	R.M. R.ft.	346.95 105.75	2524.65 769.50	
iii)	8 " (200 mm) dia.	R.M. R.ft.	446.05 135.95	2934.85 894.55	
iv)	10 " (250 mm) dia.	R.M. R.ft.	446.05 135.95	3557.05 1084.20	
v)	12 " (300 mm) dia.	R.M. R.ft.	644.30 196.40	4999.70 1523.95	
vi)	16" (400 mm) inner dia	R.M. R.ft.	644.30 196.40	6244.10 1903.20	



Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
vii	18 " (450 mm) dia.	R.M.	991.25	7213.25	27.3.1 27.3.2
		R.ft.	302.15	2198.65	
vii	20" (500 mm) inner dia.	R.M.	991.25	7835.45	
		R.ft.	302.15	2388.25	
ix)	24" (600 mm) inner dia.	R.M.	1189.50	9278.10	
		R.ft.	362.55	2828.00	
27-27	Providing and fixing C.I. specials of class-B such as bends, tees, cross, collars, reducers, tail pieces, flanged spigot, caps, flanged sockets, tapers, angle, branch and plugs including turning threading, facing and fitting for C.I. pipe line.				
a)	Cast iron S.S. specials with spigot and socket joint				
i)	3" to 6" (75 mm to 150 mm) dia.	Kg.	39.65	165.45	
		Lb.	18.00	75.05	
ii)	8" to 12" (200 mm to 300 mm) inner dia.	Kg.	29.75	155.55	
		Lb.	13.50	70.55	
iii)	15" to 18" (375 mm to 450 mm) inner dia.	Kg.	19.85	145.65	
		Lb.	9.00	66.05	
b)	Cast iron flanged specials with flanged joints				
i)	3" to 6" (75 mm to 150 mm) dia.	Kg.	19.85	145.65	
		Lb.	9.00	66.05	
ii)	8" to 12" (200 mm to 300 mm) inner dia.	Kg.	15.25	141.05	
		Lb.	6.90	64.00	
iii)	15" to 18" (375 mm to 450 mm) inner dia.	Kg.	9.90	135.75	
		Lb.	4.50	61.60	
c)	Cast iron specials with tyton joints				
i)	3" to 6" (75 mm to 150 mm) dia.	Kg.	9.90	135.75	
		Lb.	4.50	61.60	
ii)	8" to 12" (200 mm to 300 mm) inner dia.	Kg.	9.90	135.70	
		Lb.	4.50	61.55	
iii)	15" to 18" (375 mm to 450 mm) inner dia.	Kg.	9.90	135.70	
		Lb.	4.50	61.55	
27-28	Providing and fixing C.I. special of BSS, Class-B such as bends, tees, cross, collar, reducers, tail pieces, flanged sockets, flanged spigots, caps, tapers, angle branch and plugs for asbestos cement pipe line with comet joint and rubber ring.				
i)	3" to 6" (75 mm to 150 mm) dia.	Kg.	49.55	175.38	27.3.1 27.3.2
		Lb.	22.50	79.55	
ii)	8" to 18" (200 mm to 450 mm) inner dia.	Kg.	35.10	160.89	
		Lb.	15.90	73.00	
iii)	20" to 24" (500 mm to 600 mm) inner dia.	Kg.	25.16	150.98	
		Lb.	11.40	68.50	

Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
27-29	Providing and fixing C.I. sluice valve of BSS quality and weight, Class B, for C.I. pipe line and A.C. pipe line including cost of jointing material.				27.3.1.2
a)	3" (75 mm) dia.	Each	135.73	6076.48	
b)	4" (100 mm) dia.	Each	135.73	9498.58	
c)	6" (150 mm) dia.	Each	171.56	15104.36	
d)	9" (225 mm) dia.	Each	171.56	22252.42	
e)	12" (300 mm) dia.	Each	247.81	46509.83	
f)	15" (375 mm) dia.	Each	247.81	52924.36	
g)	18" (450 mm) dia.	Each	346.94	120794.49	
h)	21" (525 mm) inner dia.	Each	346.94	154371.94	
i)	24" (600 mm) inner dia.	Each	495.63	216239.66	
j)	27" (675 mm) inner dia.	Each	495.63	277740.63	
k)	30" (750 mm) inner dia.	Each	594.75	370254.75	
27-30	Providing and fixing C.I. sluice valve of BSS quality and weight for asbestos cement pipe line with comet joint and rubber ring including cost of jointing material.				27.3.2
a)	3" (75 mm) dia.	Each	135.73	6152.16	
b)	4" (100 mm) dia.	Each	135.73	9643.49	
c)	6" (150 mm) dia.	Each	171.56	15514.89	
27-31	Providing and fixing fire hydrants standard pattern 3" (75mm) dia. inlet and 2.5" (65mm) dia screw outlet. BSS quality and weight, cost of jointing material is included.	Each	232.56	3374.06	27.3.1
27-32	Providing and fixing air valve 2.5" (65 mm) inner dia. of BSS quality and weight, cost of jointing material is included.				
a)	Single	Each	495.63	3699.96	
b)	Double	Each	495.63	7474.03	
27-33	Cutting C.I. pipe and welding spigot or socket flanged or tyton end including finishing ends of pipe.				
a)	3" to 6" (75 mm to 150 mm) dia.	Per 1" dia. of pipe	91.50	91.50	
b)	8" to 12" (200 mm to 300 mm) inner dia.	Per 1" dia. of pipe	100.65	100.65	
c)	15" to 18" (375 mm to 450 mm) inner dia.	Per 1" dia. of pipe	110.72	110.72	



Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.	
			Labour	Composite		
27-34	Providing and installing P.V.C. bends of Shayvl or equivalent				27.3.1	
a) Class B						
i) 3 " (75 mm) dia.	Each	179.19	504.56			
ii) 4 " (100 mm) dia.	Each	179.19	654.44			
iii) 5 inches (125 mm) dia.	Each	297.38	1003.21			
iv) 6 " (150 mm) dia.	Each	297.38	1373.42			
v) 8 " (200 mm) dia.	Each	396.50	2306.47			
b) Class D						
i) 1.25" (30 mm) dia.	Each	99.13	148.44			
ii) 1.5" (40 mm) dia.	Each	99.13	159.70			
iii) 2 " (50 mm) dia.	Each	148.70	230.40			
iv) 3 " (75 mm) dia.	Each	148.70	343.15			
v) 4 " (100 mm) dia.	Each	198.25	557.55			
vi) 5 inches (125 mm) dia.	Each	198.25	994.40			
vii) 6 " (150 mm) dia.	Each	297.40	1917.85			
27-35	Providing and installing P.V.C. tees of Shayl or equivalent make					27.3.1
a) Class B						
i) 3 " (75 mm) dia.	Each	247.80	543.05			
ii) 4 " (100 mm) dia.	Each	247.80	690.65			
iii) 5 inches (125 mm) dia.	Each	396.50	1171.50			
iv) 6 " (150 mm) dia.	Each	396.50	1614.35			
v) 8 " (200 mm) dia.	Each	693.90	1610.60			
vi) 10 " (250 mm) dia.	Each	693.90	2612.95			
vii) 12 " (300 mm) dia.	Each	991.25	3943.65			
vii) 14" (350 mm) inner dia.	Each	991.25	8667.50			
b) Class D						
i) 1.25" (30 mm) dia.	Each	99.13	148.44			
ii) 1.5" (40 mm) dia.	Each	99.13	159.70			
iii) 2 " (50 mm) dia.	Each	148.70	230.40			
iv) 3 " (75 mm) dia.	Each	148.70	343.15			



Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
	v) 4 " (100 mm) dia.	Each	198.25	557.55	
	vi) 5 inches (125 mm) dia.	Each	198.25	994.40	
	vii) 6 " (150 mm) dia.	Each	297.40	1917.85	
27-36	Providing and installing P.V.C. bail or end plug of Shayvl or equivalent make.				27.2 27.3
	a) Class B				
	i) 3 " (75 mm) dia.	Each	297.40	474.50	
	ii) 4 " (100 mm) dia.	Each	297.40	489.30	
	iii) 5 inches (125 mm) dia.	Each	396.50	647.45	
	iv) 6 " (150 mm) dia.	Each	396.50	839.35	
	v) 8 " (200 mm) dia.	Each	693.90	1188.40	
	vi) 10 " (250 mm) dia.	Each	693.90	1432.00	
	vii) 12 " (300 mm) dia.	Each	892.15	2117.35	
	vii) 14" (350 mm) inner dia.	Each	892.15	2368.35	
	b) Class D				
	i) 1.25" (30 mm) dia.	Each	133.45	185.10	
	ii) 1.5" (40 mm) dia.	Each	133.45	185.10	
	iii) 2 " (50 mm) dia.	Each	198.25	272.05	
	iv) 3 " (75 mm) dia.	Each	198.25	310.45	
	v) 4 " (100 mm) dia.	Each	346.95	499.00	
	vi) 5 inches (125 mm) dia.	Each	346.95	633.35	
	vii) 6 " (150 mm) dia.	Each	396.50	883.65	
27-37	Providing and installing P.V.C. tapered core of Shayvl or equivalent make.				
	a) Class B				
	i) 3 " (75 mm) dia.	Each	76.25	113.15	
	ii) 4 " (100 mm) dia.	Each	76.25	143.35	
	iii) 5 inches (125 mm) dia.	Each	297.40	379.55	
	iv) 6 " (150 mm) dia.	Each	297.40	416.50	
	v) 8 " (200 mm) dia.	Each	396.50	560.90	
	b) Class D				
	i) 1.25" (30 mm) dia.	Each	89.20	116.05	

Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
ii)	1.5" (40 mm) dia.	Each	89.20	126.10	
iii)	2 " (50 mm) dia.	Each	99.15	154.50	
27-38	Providing and installing P.V.C. conduit of Class B or D of Beta or equivalent make				
a)	1.25" (30 mm) dia.	Each	72.45	127.35	
b)	1.5" (40 mm) dia.	Each	72.45	151.75	
c)	2 " (50 mm) dia.	Each	99.15	205.90	
d)	3 " (75 mm) dia.	Each	99.15	279.10	
e)	4 " (100 mm) dia.	Each	148.70	430.80	
27-39	Providing and installing P.V.C. V socket of Class B or D of Beta or equivalent make.				
a)	1.25" (30 mm) dia.	Each	49.55	125.05	
b)	1.5" (40 mm) dia.	Each	49.55	175.35	
c)	2 " (50 mm) dia.	Each	99.15	266.90	
d)	3 " (75 mm) dia.	Each	99.15	417.90	
e)	4 " (100 mm) dia.	Each	148.70	568.05	
27-40	Providing and installing P.V.C. crosser of Beta or equivalent make.				
a)	Class B				
i)	3 " (75 mm) dia.	Each	148.70	318.45	
ii)	4 " (100 mm) dia.	Each	148.70	443.95	
iii)	5 inches (125 mm) dia.	Each	247.80	920.95	
iv)	6 " (150 mm) dia.	Each	247.80	1340.20	
v)	8 " (200 mm) dia.	Each	396.50	2049.85	
vi)	10 " (250 mm) dia.	Each	396.50	2675.75	
vii)	12 " (300 mm) dia.	Each	594.75	4784.20	
vii)	14" (350 mm) inner dia.	Each	594.75	9294.00	
b)	Class D				
i)	1.25" (30 mm) dia.	Each	99.15	181.80	
ii)	1.5" (40 mm) dia.	Each	99.15	276.30	
iii)	2 " (50 mm) dia.	Each	148.70	355.35	
iv)	3 " (75 mm) dia.	Each	148.70	473.45	



Sr. No.	Description	Unit	Rate (Rs.)		Ref. Tech. Specs.
			Labour	Composite	
v)	4 " (100 mm) dia.	Each	247.80	808.75	
vi)	5 inches (125 mm) dia.	Each	247.80	1591.15	
vii)	6 " (150 mm) dia.	Each	297.40	2467.40	
27-41	Providing and fixing fiberglass overhead tank manufactured by				
i)	300 gallons capacity	Each	1098.00	12627.00	
ii)	500 gallons capacity	Each	1098.00	19032.00	
iii)	750 gallons capacity	Each	1098.00	29280.00	
iv)	1000 gallons capacity	Each	1098.00	39528.00	
27-42	Cleaning of overhead water tank	Cu.m. Cu.ft.	11.55 0.35	12.05 0.35	
27-43	Supply and fixing 1/8" thick galvanized iron sheet water tank of approved design and size including covering and locking arrangement and erection and positioning excluding the cost of pillars and painting	Each	1098.00	54438.00	
27-44	Add extra for respective payable item of ground floor				
a)	For first floor	% increase	10%	10%	
b)	For every additional floor above first floor	% increase	7.5%	7.5%	

