

Sr. No.	Description	Unit	Rate (Rs.)	
			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)			
a)	3" (75 mm) inner dia.	R.M.	452.70	497.55
		R.ft.	138.00	151.65
b)	4" (100 mm) inner dia.	R.M.	679.05	746.35
		R.ft.	207.00	227.50
c)	5" (125 mm) inner dia.	R.M.	1018.60	1119.55
		R.ft.	310.45	341.25
d)	6" (150 mm) inner dia.	R.M.	1527.90	1679.35
		R.ft.	465.70	511.85
e)	8" (200 mm) inner dia.	R.M.	2291.85	2519.05
		R.ft.	698.55	767.80
f)	10" (250 mm) inner dia.	R.M.	2864.80	3148.80
		R.ft.	873.20	959.75
g)	12" (300 mm) inner dia.	R.M.	3581.00	3936.00
		R.ft.	1091.50	1199.70
h)	15" (375 mm) inner dia.	R.M.	4476.25	4920.00
		R.ft.	1364.40	1499.65
i)	18" (450 mm) inner dia.	R.M.	5595.30	6150.00
		R.ft.	1705.45	1874.55
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			
a)	5" (125 mm) inner dia.	R.M.	1731.60	1903.25
		R.ft.	527.80	580.10
b)	6" (150 mm) inner dia.	R.M.	2444.65	2686.95
		R.ft.	745.15	819.00
c)	8" (200 mm) inner dia.	R.M.	2979.40	3274.75
		R.ft.	908.15	998.15
d)	10" (250 mm) inner dia.	R.M.	3437.75	3778.55
		R.ft.	1047.85	1151.70
e)	12" (300 mm) inner dia.	R.M.	4118.15	4526.40
		R.ft.	1255.25	1379.65
f)	15" (375 mm) inner dia.	R.M.	5147.70	5658.00
		R.ft.	1569.05	1724.60
g)	18" (450 mm) inner dia.	R.M.	6434.60	7072.50
		R.ft.	1961.30	2155.70

Sr. No.	Description	Unit	Rate (Rs.)	
			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			
a)	5" (125 mm) inner dia.	R.M.	2337.65	2569.40
		R.ft.	712.50	783.15
b)	6" (150 mm) inner dia.	R.M.	3055.80	3627.40
		R.ft.	931.40	1105.65
c)	8" (200 mm) inner dia.	R.M.	3724.25	4093.45
		R.ft.	1135.15	1247.70
d)	10" (250 mm) inner dia.	R.M.	4125.30	4534.25
		R.ft.	1257.40	1382.05
e)	12" (300 mm) inner dia.	R.M.	4941.80	5431.70
		R.ft.	1506.30	1655.60
f)	15" (375 mm) inner dia.	R.M.	5662.45	6223.80
		R.ft.	1725.95	1897.05
g)	18" (450 mm) inner dia.	R.M.	7078.05	7779.75
		R.ft.	2157.40	2371.30
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			
a)	8" (200 mm) inner dia.	R.M.	4469.10	4912.15
		R.ft.	1362.20	1497.25
b)	10" (250 mm) inner dia.	R.M.	4950.35	5441.10
		R.ft.	1508.90	1658.45
c)	12" (300 mm) inner dia.	R.M.	5930.15	6518.05
		R.ft.	1807.55	1986.75
d)	15" (375 mm) inner dia.	R.M.	6794.95	7468.55
		R.ft.	2071.15	2276.45
e)	18" (450 mm) inner dia.	R.M.	8493.65	9335.70
		R.ft.	2588.90	2845.55
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.	-	5064.80
		R.ft.	-	1543.75
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.	-	10129.60
		R.ft.	-	3087.55
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.			
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

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			Labour	Composite
27-8	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
	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.	-	14245.50
		R.ft.	-	4342.10
	ii) 20" to 30" (500 mm to 750 mm) inner dia.	R.M.	-	16242.00
	R.ft.	-	4950.60	
b) Exceeding 250 ft (75 m.) depth below ground level				
i) 15" to 18" (375 mm to 450 mm) inner dia.	R.M.	-	16382.30	
	R.ft.	-	4993.40	
ii) 20" to 30" (500 mm to 750 mm) inner dia.	R.M.	-	18678.30	
	R.ft.	-	5693.20	
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	999.20	4950.60
27-10	Furnishing sample of water from bore hole.	Per set of two bottles	644.15	775.90
27-11	Providing and installing brass strainer in tubewell bore hole including specials, sockets and studs of the nominal inner diameter.			
	a) 2" (50 mm) dia. and 5/32" (4 mm) wall thickness	R.M.	67.35	4099.20
		R.ft.	20.55	1249.45
	b) 3" (75 mm) dia. and 5/32" (4 mm) wall thickness	R.M.	67.35	6115.15
		R.ft.	20.55	1863.90
	c) 4" (100 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	67.35	8131.05
		R.ft.	20.55	2478.35
	d) 5" (125 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	67.35	9475.00
		R.ft.	20.55	2888.00
	e) 6" (150 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	67.35	9743.80
		R.ft.	20.55	2969.95
	f) 7" (175 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	67.35	11490.95
		R.ft.	20.55	3502.50

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			Labour	Composite
g)	8" (200 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	67.35	13506.85
		R.ft.	20.55	4116.95
h)	9" (225 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	67.35	14850.80
		R.ft.	20.55	4526.60
i)	10" (250 mm) dia. with 3/16" (5 mm) wall thickness	R.M.	67.35	16463.55
		R.ft.	20.55	5018.15
j)	10" (250 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	67.35	16866.75
		R.ft.	20.55	5141.05
k)	12" (300 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	67.35	17538.75
		R.ft.	20.55	5345.90
l)	15" (375 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	67.35	23586.50
		R.ft.	20.55	7189.25
m)	18" (450 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	67.35	32322.20
		R.ft.	20.55	9851.95
n)	20" (500 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	67.35	37698.00
		R.ft.	20.55	11490.50
o)	22" (550 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	67.35	43073.80
		R.ft.	20.55	13129.05
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) inner dia.	Each	123.45	661.05
b)	3" (75 mm) inner dia.	Each	123.45	835.75
c)	4" (100 mm) inner dia.	Each	123.45	916.40
d)	5" (125 mm) inner dia.	Each	123.45	1131.40
e)	6" (150 mm) inner dia.	Each	123.45	1265.80
f)	7" (175 mm) dia	Each	123.45	1467.40
g)	8" (200 mm) inner dia.	Each	123.45	1722.75
h)	9" (225 mm) inner dia.	Each	123.45	1776.50
i)	10" (250 mm) inner dia.	Each	123.45	1910.90
j)	12" (300 mm) inner dia.	Each	123.45	2300.65
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.	56.10	4573.65
		R.ft.	17.10	1394.05
b)	10" (250 mm) dia. and 0.2" to 0.22" (5 mm to 5.5 mm) wall thickness	R.M.	56.10	5202.65
		R.ft.	17.10	1585.80

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			Labour	Composite
27-14	Providing and installing fibre glass bail/end plug in tubewell bore.			
a)	8" (200 mm) inner dia.	Each	56.10	5545.55
b)	10" (250 mm) inner dia.	Each	56.10	5778.45
27-15	Providing and installing fibre glass blank pipe Zamrock or similar make in tubewell bore hole including coupling and jointing with strainer.			
a)	8" (200 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	56.10	3715.85
		R.ft.	17.10	1132.60
b)	10" (250 mm) dia. with 3/16" (5 mm) wall thickness	R.M.	67.35	3987.50
		R.ft.	20.55	1215.40
c)	14" (350 mm) dia. and 3/16" to 1/4" (5 mm to 6 mm) wall thickness	R.M.	67.35	6274.85
		R.ft.	20.55	1912.60
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.			
a) Class B				
i)	3" (75 mm) inner dia.	R.M.	67.35	255.50
		R.ft.	20.55	77.90
ii)	4" (100 mm) inner dia.	R.M.	67.35	336.15
		R.ft.	20.55	102.45
iii)	5" (125 mm) inner dia.	R.M.	84.65	460.95
		R.ft.	25.80	140.50
iv)	6" (150 mm) inner dia.	R.M.	84.65	649.80
		R.ft.	25.80	198.05
v)	8" (200 mm) inner dia.	R.M.	137.85	903.90
		R.ft.	42.00	275.50
vi)	10" (250 mm) inner dia.	R.M.	137.85	1327.25
		R.ft.	42.00	404.55
vii)	12" (300 mm) inner dia.	R.M.	168.35	1915.50
		R.ft.	51.30	583.85
viii)	14" (350 mm) inner dia.	R.M.	168.35	2264.90
		R.ft.	51.30	690.35
b) Class D				
i)	1.25" (30 mm) inner dia.	R.M.	44.90	138.95
		R.ft.	13.70	42.35
ii)	1.5" (40 mm) inner dia.	R.M.	44.90	145.70
		R.ft.	13.70	44.40
iii)	2" (50 mm) inner dia.	R.M.	56.10	203.95
		R.ft.	17.10	62.15

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			Labour	Composite
iv)	3" (75 mm) inner dia.	R.M.	67.35	363.00
		R.ft.	20.55	110.65
v)	4" (100 mm) inner dia.	R.M.	67.35	537.75
		R.ft.	20.55	163.90
vi)	5" (125 mm) inner dia.	R.M.	112.25	797.65
		R.ft.	34.20	243.15
vii)	6" (150 mm) inner dia.	R.M.	112.25	1079.90
		R.ft.	34.20	329.15
27-17	Providing and installing P.V.C. elbow Shavyl or equivalent make.			
	a) Class B			
i)	3" (75 mm) inner dia.	Each	33.65	201.65
ii)	4" (100 mm) inner dia.	Each	33.65	248.70
iii)	5" (125 mm) inner dia.	Each	33.65	530.90
iv)	6" (150 mm) inner dia.	Each	44.90	716.85
v)	8" (200 mm) inner dia.	Each	44.90	5084.70
vi)	10" (250 mm) inner dia.	Each	44.90	5891.10
vii)	12" (300 mm) inner dia.	Each	67.35	8534.25
viii)	14" (350 mm) inner dia.	Each	67.35	12834.90
	b) Class D			
i)	1.25" (30 mm) inner dia.	Each	22.45	103.10
ii)	1.5" (40 mm) inner dia.	Each	22.45	129.95
iii)	2" (50 mm) inner dia.	Each	22.45	156.85
iv)	3" (75 mm) inner dia.	Each	33.65	362.95
v)	4" (100 mm) inner dia.	Each	33.65	436.85
vi)	5" (125 mm) inner dia.	Each	33.65	400.55
vii)	6" (150 mm) inner dia.	Each	33.65	649.20
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.			
a)	2" (50 mm) dia. and 1/8" (3 mm) wall thickness	R.M.	112.25	872.25
		R.ft.	34.20	265.85
b)	3" (75 mm) dia. and 1/8" (3 mm) wall thickness	R.M.	112.25	1604.05
		R.ft.	34.20	488.90

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			Labour	Composite
c)	4" (100 mm) dia. and 1/8" (3 mm) wall thickness	R.M.	145.90	2161.85
		R.ft.	44.45	658.95
d)	5" (125 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	145.90	3774.55
		R.ft.	44.45	1150.50
e)	6" (150 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	224.50	4686.40
		R.ft.	68.45	1428.45
f)	7" (175 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	224.50	5748.15
		R.ft.	68.45	1752.05
g)	8" (200 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	255.00	7821.45
		R.ft.	77.70	2384.00
h)	9" (225 mm) dia. and 3/16" (5 mm) wall thickness	R.M.	255.00	9125.10
		R.ft.	77.70	2781.35
i)	10" (250 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	255.00	10469.05
		R.ft.	77.70	3191.00
j)	12" (300 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	336.70	11760.30
		R.ft.	102.65	3584.60
k)	15" (375 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	336.70	15657.75
		R.ft.	102.65	4772.55
l)	18" (450 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	336.70	17808.10
		R.ft.	102.65	5427.95
m)	20" (500 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	392.85	23240.00
		R.ft.	119.75	7083.65
n)	22" (550 mm) dia. and 1/4" (6 mm) wall thickness	R.M.	392.85	28078.25
		R.ft.	119.75	8558.35
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) inner dia.	R.M.	93.95	349.30
		R.ft.	28.65	106.45
ii)	4" (100 mm) inner dia.	R.M.	93.95	456.80
		R.ft.	28.65	139.25
iii)	5" (125 mm) inner dia.	R.M.	140.90	651.60
		R.ft.	42.95	198.60
iv)	6" (150 mm) inner dia.	R.M.	140.90	853.20
		R.ft.	42.95	260.05
v)	8" (200 mm) inner dia.	R.M.	187.90	1357.10
		R.ft.	57.25	413.65

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vi)	10" (250 mm) inner dia.	R.M.	187.90	2035.85
		R.ft.	57.25	620.55
vii)	12" (300 mm) inner dia.	R.M.	234.85	2855.55
		R.ft.	71.60	870.40
viii)	14" (350 mm) inner dia.	R.M.	234.85	3386.40
		R.ft.	71.60	1032.20
b) Class D				
i)	1.25" (30 mm) inner dia.	R.M.	46.95	141.05
		R.ft.	14.30	43.00
ii)	1.5" (40 mm) inner dia.	R.M.	46.95	167.90
		R.ft.	14.30	51.20
iii)	2" (50 mm) inner dia.	R.M.	68.95	250.35
		R.ft.	21.00	76.30
iv)	3" (75 mm) inner dia.	R.M.	68.95	445.25
		R.ft.	21.00	135.70
v)	4" (100 mm) inner dia.	R.M.	93.95	833.10
		R.ft.	28.65	253.95
vi)	6" (150 mm) inner dia.	R.M.	93.95	1424.45
		R.ft.	28.65	434.20
27-20	Testing and development of tubewell of size 6" (150 mm) inner dia. and above continuously			
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.	634.40	1556.70
		Cu.ft.	17.95	44.10
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).			
i)	3" (75 mm) inner dia.	R.M.	44.90	985.65
		R.ft.	13.70	300.45
ii)	4" (100 mm) inner dia.	R.M.	44.90	1254.60
		R.ft.	13.70	382.40
iii)	6" (150 mm) inner dia.	R.M.	67.35	2755.25
		R.ft.	20.55	839.80
iv)	8" (200 mm) inner dia.	R.M.	112.25	6160.00
		R.ft.	34.20	1877.60

Sr. No.	Description	Unit	Rate (Rs.)	
			Labour	Composite
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.			
	a) Light duty			
	i) 1/2" (15 mm) inner dia.	R.M. R.ft.	44.90 13.70	247.10 75.30
	ii) 3/4" (20 mm) inner dia.	R.M. R.ft.	44.90 13.70	336.95 102.70
	iii) 1" (25 mm) inner dia.	R.M. R.ft.	56.10 17.10	482.95 147.20
	iv) 1.25" (30 mm) inner dia.	R.M. R.ft.	56.10 17.10	572.80 174.60
	v) 1.5" (40 mm) inner dia.	R.M. R.ft.	81.75 24.90	710.75 216.65
	vi) 2" (50 mm) inner dia.	R.M. R.ft.	81.75 24.90	868.05 264.60
	vii) 2.5" (65 mm) inner dia.	R.M. R.ft.	101.00 30.79	1156.85 352.70
	viii) 3" (75 mm) inner dia.	R.M. R.ft.	101.00 30.80	1156.85 352.60
	ix) 4" (100 mm) inner dia.	R.M. R.ft.	101.00 30.80	1314.10 400.55
	b) Medium duty			
	i) 1/2" (15 mm) inner dia.	R.M. R.ft.	44.90 13.70	292.00 89.00
	ii) 3/4" (20 mm) inner dia.	R.M. R.ft.	44.90 13.70	359.40 109.55
	iii) 1" (25 mm) inner dia.	R.M. R.ft.	56.10 17.10	505.40 154.05
	iv) 1.25" (30 mm) inner dia.	R.M. R.ft.	56.10 17.10	640.20 195.15
	v) 1.5" (40 mm) inner dia.	R.M. R.ft.	81.75 24.90	755.70 230.35
	vi) 2" (50 mm) inner dia.	R.M. R.ft.	81.75 24.90	868.05 264.60
	vii) 2.5" (65 mm) inner dia.	R.M. R.ft.	101.00 30.80	1269.20 386.85
	viii) 3" (75 mm) inner dia.	R.M. R.ft.	101.00 30.80	1651.10 503.25



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			Labour	Composite
ix)	4" (100 mm) inner dia.	R.M.	112.25	2381.45
		R.ft.	34.20	725.85
x)	5" (125 mm) inner dia.	R.M.	137.85	3135.10
		R.ft.	42.00	955.60
xi)	6" (150 mm) inner dia.	R.M.	137.85	3541.65
		R.ft.	42.00	1079.50
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.	224.50	471.60
		R.ft.	68.45	143.75
ii)	3/4" (20 mm) inner dia.	R.M.	224.50	539.00
		R.ft.	68.45	164.30
iii)	1" (25 mm) inner dia.	R.M.	224.50	673.80
		R.ft.	68.45	205.40
iv)	1.25" (30 mm) inner dia.	R.M.	224.50	808.60
		R.ft.	68.45	246.45
v)	1.5" (40 mm) inner dia.	R.M.	224.50	898.45
		R.ft.	68.45	273.85
vi)	2" (50 mm) inner dia.	R.M.	224.50	1010.80
		R.ft.	68.45	308.10
vii)	2.5" (65 mm) inner dia.	R.M.	224.50	1392.70
		R.ft.	68.45	424.50
viii)	3" (75 mm) inner dia.	R.M.	224.50	1774.60
		R.ft.	68.45	540.90
ix)	4" (100 mm) inner dia.	R.M.	224.50	2493.70
		R.ft.	68.45	760.10
x)	5" (125 mm) inner dia.	R.M.	224.50	3221.75
		R.ft.	68.45	982.00
xi)	6" (150 mm) inner dia.	R.M.	224.50	3628.30
		R.ft.	68.45	1105.90
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) inner dia.	R.M.	93.95	497.15
		R.ft.	28.65	151.55

Sr. No.	Description	Unit	Rate (Rs.)	
			Labour	Composite
ii)	4" (100 mm) inner dia.	R.M.	93.95	624.80
		R.ft.	28.65	190.45
iii)	6" (150 mm) inner dia.	R.M.	140.90	884.10
		R.ft.	42.95	269.50
iv)	8" (200 mm) inner dia.	R.M.	140.90	1081.65
		R.ft.	42.95	329.70
v)	10" (250 mm) inner dia.	R.M.	234.85	1545.20
		R.ft.	71.60	471.00
vi)	12" (300 mm) inner dia.	R.M.	234.85	1995.45
		R.ft.	71.60	608.20
vii)	14" (350 mm) inner dia.	R.M.	328.80	2647.11
		R.ft.	100.20	806.85
viii)	16" (400 mm) inner dia	R.M.	328.80	3298.95
		R.ft.	100.20	1005.55
ix)	18" (450 mm) inner dia.	R.M.	422.75	3789.35
		R.ft.	128.85	1155.00
x)	20" (500 mm) inner dia.	R.M.	422.75	4622.60
		R.ft.	128.85	1409.00
xi)	24" (600 mm) inner dia.	R.M.	469.70	5845.50
		R.ft.	143.15	1781.75
b)	Class C working pressure			
i)	3" (75 mm) inner dia.	R.M.	93.95	356.02
		R.ft.	28.65	108.50
ii)	4" (100 mm) inner dia.	R.M.	93.95	443.38
		R.ft.	28.65	135.15
iii)	6" (150 mm) inner dia.	R.M.	140.90	906.95
		R.ft.	42.95	276.45
iv)	8" (200 mm) inner dia.	R.M.	140.90	1491.57
		R.ft.	42.95	454.65
v)	10" (250 mm) inner dia.	R.M.	234.85	2264.22
		R.ft.	71.60	690.15
vi)	12" (300 mm) inner dia.	R.M.	234.85	3204.98
		R.ft.	71.60	976.90
vii)	14" (350 mm) inner dia.	R.M.	328.80	4667.08
		R.ft.	100.20	1422.55
viii)	16" (400 mm) inner dia	R.M.	328.80	6016.40
		R.ft.	100.20	1833.80
ix)	18" (450 mm) inner dia.	R.M.	422.75	8382.98
		R.ft.	128.85	2555.15

Sr. No.	Description	Unit	Rate (Rs.)	
			Labour	Composite
x)	20" (500 mm) inner dia.	R.M. R.ft.	422.75 128.85	9834.45 2997.60
xi)	24" (600 mm) inner dia.	R.M. R.ft.	469.70 143.15	11254.91 3430.55
c)	Class D working pressure			
i)	3" (75 mm) inner dia.	R.M. R.ft.	93.95 28.65	365.43 111.40
ii)	4" (100 mm) inner dia.	R.M. R.ft.	93.95 28.65	530.73 161.75
iii)	6" (150 mm) inner dia.	R.M. R.ft.	140.90 42.95	1068.23 325.60
iv)	8" (200 mm) inner dia.	R.M. R.ft.	140.90 42.95	1713.32 522.25
v)	10" (250 mm) inner dia.	R.M. R.ft.	234.85 71.60	2586.77 788.45
vi)	12" (300 mm) inner dia.	R.M. R.ft.	234.85 71.60	4082.58 1244.40
vii)	14" (350 mm) inner dia.	R.M. R.ft.	328.80 100.20	5335.02 1626.15
viii)	16" (400 mm) inner dia.	R.M. R.ft.	328.80 100.20	6779.77 2066.50
ix)	18" (450 mm) inner dia.	R.M. R.ft.	422.75 128.85	8257.99 2517.05
x)	20" (500 mm) inner dia.	R.M. R.ft.	422.75 128.85	9595.22 2924.65
27-26	Providing, laying, cutting, jointing, testing and disinfecting Ductile iron pipe line in trenches including all fittings and accessories.			
i)	4" (100 mm) inner dia.	R.M. R.ft.	328.80 100.20	1538.35 468.90
ii)	6" (150 mm) inner dia.	R.M. R.ft.	328.80 100.20	2075.95 632.75
iii)	8" (200 mm) inner dia.	R.M. R.ft.	422.75 128.85	2707.45 825.25
iv)	10" (250 mm) inner dia.	R.M. R.ft.	422.75 128.85	3379.45 1030.05
v)	12" (300 mm) inner dia.	R.M. R.ft.	610.60 186.10	4508.05 1374.05
vi)	16" (400 mm) inner dia.	R.M. R.ft.	610.60 186.10	5986.40 1824.70



Sr. No.	Description	Unit	Rate (Rs.)	
			Labour	Composite
vii)	18" (450 mm) inner dia.	R.M.	939.40	6987.20
		R.ft.	286.35	2129.70
viii)	20" (500 mm) inner dia.	R.M.	939.40	8062.35
		R.ft.	286.35	2457.45
ix)	24" (600 mm) inner dia.	R.M.	1127.30	9459.80
		R.ft.	343.60	2883.40
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.	44.90	262.30
		Lb.	20.35	119.00
ii)	8" to 12" (200 mm to 300 mm) inner dia.	Kg.	33.65	251.10
		Lb.	15.25	113.90
iii)	15" to 18" (375 mm to 450 mm) inner dia.	Kg.	22.45	239.85
		Lb.	10.20	108.80
	b) Cast iron flanged specials with flanged joints			
i)	3" to 6" (75 mm to 150 mm) dia.	Kg.	22.45	239.85
		Lb.	10.20	108.80
ii)	8" to 12" (200 mm to 300 mm) inner dia.	Kg.	17.30	234.75
		Lb.	7.85	106.50
iii)	15" to 18" (375 mm to 450 mm) inner dia.	Kg.	11.20	228.65
		Lb.	5.10	103.70
	c) Cast iron specials with tyton joints			
i)	3" to 6" (75 mm to 150 mm) dia.	Kg.	11.20	228.65
		Lb.	5.10	103.70
ii)	8" to 12" (200 mm to 300 mm) inner dia.	Kg.	11.20	307.65
		Lb.	5.10	139.55
iii)	15" to 18" (375 mm to 450 mm) inner dia.	Kg.	11.20	366.95
		Lb.	5.10	166.45
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.	56.10	273.52
		Lb.	25.45	124.05
ii)	8" to 18" (200 mm to 450 mm) inner dia.	Kg.	39.75	257.18
		Lb.	18.05	116.65
iii)	20" to 24" (500 mm to 600 mm) inner dia.	Kg.	28.55	245.95
		Lb.	12.95	111.55

Sr. No.	Description	Unit	Rate (Rs.)	
			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.			
a)	3" (75 mm) inner dia.	Each	150.30	2871.27
b)	4" (100 mm) inner dia.	Each	150.30	3677.65
c)	6" (150 mm) inner dia.	Each	193.98	5301.00
d)	9" (225 mm) inner dia.	Each	193.98	12274.54
e)	12" (300 mm) inner dia.	Each	280.60	20303.97
f)	15" (375 mm) inner dia.	Each	280.60	33550.00
g)	18" (450 mm) inner dia.	Each	392.84	66931.64
h)	21" (525 mm) inner dia.	Each	392.84	93547.16
i)	24" (600 mm) inner dia.	Each	561.20	147070.02
j)	27" (675 mm) inner dia.	Each	561.20	220139.24
k)	30" (750 mm) inner dia.	Each	673.44	300098.04
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.			
a)	3" (75 mm) inner dia.	Each	150.30	2943.62
b)	4" (100 mm) inner dia.	Each	150.30	3801.28
c)	6" (150 mm) inner dia.	Each	193.98	5747.66
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	264.74	1893.29
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	561.20	2189.75
b)	Double	Each	561.20	2479.63
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	101.02	101.02
b)	8" to 12" (200 mm to 300 mm) inner dia.	Per 1" dia. of pipe	111.12	111.12
c)	15" to 18" (375 mm to 450 mm) inner dia.	Per 1" dia. of pipe	122.23	122.23

Sr. No.	Description	Unit	Rate (Rs.)	
			Labour	Composite
27-34	Providing and installing P.V.C. bends of Shayvl or equivalent make.			
	a) Class B			
	i) 3" (75 mm) inner dia.	Each	172.63	352.48
	ii) 4" (100 mm) inner dia.	Each	172.63	407.82
	iii) 5" (125 mm) inner dia.	Each	281.82	641.52
	iv) 6" (150 mm) inner dia.	Each	281.82	1084.24
	v) 8" (200 mm) inner dia.	Each	375.76	1634.73
	b) Class D			
	i) 1.25" (30 mm) inner dia.	Each	93.94	142.36
	ii) 1.5" (40 mm) inner dia.	Each	93.94	153.45
	iii) 2" (50 mm) inner dia.	Each	140.90	221.15
	iv) 3" (75 mm) inner dia.	Each	140.90	331.80
	v) 4" (100 mm) inner dia.	Each	187.90	540.65
	vi) 5" (125 mm) inner dia.	Each	187.90	969.55
	vii) 6" (150 mm) inner dia.	Each	281.80	1872.80
27-35	Providing and installing P.V.C. tees of Shayvl or equivalent make			
	a) Class B			
	i) 3" (75 mm) inner dia.	Each	234.85	524.70
	ii) 4" (100 mm) inner dia.	Each	234.85	669.65
	iii) 5" (125 mm) inner dia.	Each	375.75	1136.65
	iv) 6" (150 mm) inner dia.	Each	375.75	1571.45
	v) 8" (200 mm) inner dia.	Each	657.60	2034.45
	vi) 10" (250 mm) inner dia.	Each	657.60	2541.75
	vii) 12" (300 mm) inner dia.	Each	939.40	3838.10
	viii) 14" (350 mm) inner dia.	Each	939.40	8476.05
	b) Class D			
	i) 1.25" (30 mm) inner dia.	Each	93.94	142.36
	ii) 1.5" (40 mm) inner dia.	Each	93.94	153.45
	iii) 2" (50 mm) inner dia.	Each	140.90	221.15
	iv) 3" (75 mm) inner dia.	Each	140.90	331.80



Sr. No.	Description	Unit	Rate (Rs.)	
			Labour	Composite
v)	4" (100 mm) inner dia.	Each	187.90	540.65
vi)	5" (125 mm) inner dia.	Each	187.90	969.55
vii)	6" (150 mm) inner dia.	Each	281.80	1872.80
27-36	Providing and installing P.V.C. bail or end plug of Shayvl or equivalent make.			
a) Class B				
i)	3" (75 mm) inner dia.	Each	281.80	455.75
ii)	4" (100 mm) inner dia.	Each	281.80	470.20
iii)	5" (125 mm) inner dia.	Each	375.75	622.15
iv)	6" (150 mm) inner dia.	Each	375.75	810.55
v)	8" (200 mm) inner dia.	Each	657.60	1143.10
vi)	10" (250 mm) inner dia.	Each	657.60	1382.30
vii)	12" (300 mm) inner dia.	Each	845.45	2048.45
viii)	14" (350 mm) inner dia.	Each	845.45	2294.80
b) Class D				
i)	1.25" (30 mm) inner dia.	Each	125.05	175.80
ii)	1.5" (40 mm) inner dia.	Each	125.05	175.80
iii)	2" (50 mm) inner dia.	Each	187.90	260.35
iv)	3" (75 mm) inner dia.	Each	187.90	298.05
v)	4" (100 mm) inner dia.	Each	328.80	478.05
vi)	5" (125 mm) inner dia.	Each	328.80	610.00
vii)	6" (150 mm) inner dia.	Each	375.75	854.05
27-37	Providing and installing P.V.C. tapered core of Shayvl or equivalent make.			
a) Class B				
i)	3" (75 mm) inner dia.	Each	72.00	108.20
ii)	4" (100 mm) inner dia.	Each	72.00	137.88
iii)	5" (125 mm) inner dia.	Each	281.80	362.50
iv)	6" (150 mm) inner dia.	Each	281.80	398.75
v)	8" (200 mm) inner dia.	Each	375.75	537.17
b) Class D				
i)	1.25" (30 mm) inner dia.	Each	84.55	110.90

Sr. No.	Description	Unit	Rate (Rs.)	
			Labour	Composite
	ii) 1.5" (40 mm) inner dia.	Each	84.55	120.80
	iii) 2" (50 mm) inner dia.	Each	93.95	148.30
27-38	Providing and installing P.V.C. conduit of Class B or D of Beta or equivalent make			
	a) 1.25" (30 mm) inner dia.	Each	68.95	124.95
	b) 1.5" (40 mm) inner dia.	Each	68.95	151.30
	c) 2" (50 mm) inner dia.	Each	93.95	205.95
	d) 3" (75 mm) inner dia.	Each	93.95	285.00
	e) 4" (100 mm) inner dia.	Each	140.90	437.35
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) inner dia.	Each	46.95	121.10
	b) 1.5" (40 mm) inner dia.	Each	46.95	170.50
	c) 2" (50 mm) inner dia.	Each	93.95	258.65
	d) 3" (75 mm) inner dia.	Each	93.95	406.90
	e) 4" (100 mm) inner dia.	Each	140.90	552.65
27-40	Providing and installing P.V.C. crosser of Beta or equivalent make.			
	a) Class B			
	i) 3" (75 mm) inner dia.	Each	140.90	307.60
	ii) 4" (100 mm) inner dia.	Each	140.90	430.75
	iii) 5" (125 mm) inner dia.	Each	234.85	895.75
	iv) 6" (150 mm) inner dia.	Each	234.85	1307.40
	v) 8" (200 mm) inner dia.	Each	375.75	1999.05
	vi) 10" (250 mm) inner dia.	Each	375.75	2613.55
	vii) 12" (300 mm) inner dia.	Each	563.65	4676.90
	viii) 14" (350 mm) inner dia.	Each	563.65	9104.75
	b) Class D			
	i) 1.25" (30 mm) inner dia.	Each	93.95	175.10
	ii) 1.5" (40 mm) inner dia.	Each	93.95	267.85
	iii) 2" (50 mm) inner dia.	Each	140.90	343.80
	iv) 3" (75 mm) inner dia.	Each	140.90	459.75

Sr. No.	Description	Unit	Rate (Rs.)	
			Labour	Composite
v)	4" (100 mm) inner dia.	Each	234.85	785.60
vi)	5" (125 mm) inner dia.	Each	234.85	1553.75
vii)	6" (150 mm) inner dia.	Each	281.80	2412.40
27-41	Add extra for respective payable item of ground floor			
a)	For first floor	% Increase		10%
b)	For every additional floor above first floor	% Increase		7.5%
27-42	Providing, laying, cutting, jointing, testing and disinfecting HDPE pipes density 700-960 kg/cu.m and carbon black contents > 2% with DIN-8074, 8075 or PS-3580 pressure classification of PN-10, complete in all respects with specials and valves etc.			
i)	1/2 inch (15mm)	RM Rft	38.55 11.75	61.23 18.67
ii)	3/4 inch (20mm)	RM Rft	38.55 11.75	79.71 24.30
iii)	1 inch (25mm)	RM Rft	38.55 11.75	97.60 29.76
iv)	1.25inch (32mm)	RM Rft	38.55 11.75	129.81 39.58
v)	1.5 inch (40mm)	RM Rft	38.55 11.75	178.12 54.30
vi)	1.75 inch (45mm)	RM Rft	38.55 11.75	199.59 60.85
vii)	2 inch (50mm)	RM Rft	38.55 11.75	253.27 77.22
viii)	2.5inch (65mm)	RM Rft	38.55 11.75	382.10 116.50
ix)	3 inch (75mm)	RM Rft	38.55 11.75	521.67 159.05
x)	3.5 inch (88mm)	RM Rft	38.55 11.75	731.02 222.87
xi)	4 inch (100mm)	RM Rft	38.55 11.75	1065.62 324.89
xii)	5 inch (125mm)	RM Rft	38.55 11.75	1357.30 413.81
xiii)	6 inch (150mm)	RM Rft	38.55 11.75	2196.49 669.66
xiv)	7 inch (175mm)	RM Rft	48.31 14.73	2779.28 847.34

Sr. No.	Description	Unit	Rate (Rs.)	
			Labour	Composite
xv)	8 inch (200mm)	RM	48.31	1074.86
		Rft	14.73	327.70
xvi)	9 inch (225mm)	RM	48.31	4323.52
		Rft	14.73	1318.15
xvii)	10 inch (250mm)	RM	48.31	5285.74
		Rft	14.73	1611.50
xviii)	11 inch (275mm)	RM	48.31	6247.95
		Rft	14.73	1904.86
xix)	12 inch (300mm)	RM	48.31	7210.16
		Rft	14.73	2198.22

