


VADODARA MUNICIPAL CORPORATION
WATER WORKS DEPARTMENT
PART-A LABOUR

 વડોદરા મહાનગરપાલિકા	VADODARA MUNICIPAL CORPORATION		
	WATER WORKS DEPARTMENT		
	ABSTRACT SHEET		
	PART - A (Labour)		
Name of Work : Annual rate contract (2026-27) for repairing and maintenance work of CI/DI water pipeline for all Zone and Water Works Department.			
Dimension Or Quantity	Item	VMSS Rate Rs	Per
1	Excavation		
	Excavation for pipe line trenches in sorts of soil and soft murrum including all safety provisions using site rails and stacking excavated stuff up to a lead of 90 M cleaning the site etc. complete as per the instruction of engineer-in-charge for lifts and strata as specified. (GWSSB CIVIL SOR 2022-23, sec-B, I.NO.1 A1 & A2, P.NO.32)		
	(a) Up to 1.5 M from ground level	102.35	CUM
	(b) From 1.5 M to 3.0 M depth	112.70	CUM
2	Breaking of existing asphalt road		
	Breaking of existing asphalt road with necessary tools and equipments in all depth as per specification and instruction by site incharge. (RA approved by C.E. outward no.1073, dt.29.3.14)	50.00	SQM
3	Excavation by JCB machine		
	Excavation for pipe line trenches in sorts of soil and soft murrum/tar road etc. including all safety provisions using site rails and stacking excavated stuff up to a lead of 90 M cleaning the site etc. complete as per the instruction of engineer-in-charge for lifts and strata as specified with the help of JCB machine. (GWSSB CIVIL SOR 13-14, sec-F, it.13, PG.NO.121)	1023.50	Hour
4	Lowering, laying and jointing of valves SV/AV/BFV/RV		
	Lowering, laying and jointing following C.I.D.F reflux valves, Butterfly Valves, Sluice Valves and Air Valves including cost of all labour jointing material including nut bolts and giving satisfactory hydraulic testing etc. complete as per the instruction of engineer-in-charge. (Rates for all classed of valves) (GWSSB CIVIL SOR 2022-23, Sec.B, I.NO.15.a, P.NO.40,41)		
(a)	100 mm	504.85	No
(b)	150 mm	672.75	No
(c)	200 mm	853.30	No
(d)	250 mm	1087.90	No
(e)	300 mm	1312.15	No

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(f)	350 mm	2003.30	No
(g)	400 mm	2266.65	No
(h)	450 mm	3174.00	No
(i)	500 mm	3340.75	No
(j)	600 mm	4562.05	No
(k)	700 mm	5784.50	No
(l)	750 mm	6675.75	No
5 Lead Joint			
	Lowering, Laying and jointing cast iron pipe line by lead joint with specials such as tees, bends, reducers, valves including lighting, guarding, barricading, testing etc. complete uncluding cost of jointing materials, such as lead, hemp yarn etc, complete. but excluding excavation and refilling (Approved rate analysis by HOD Shri)		
(a)	100 mm	761.54	No
(b)	150 mm	1114.85	No
(c)	200 mm	1585.93	No
(d)	250 mm	1966.59	No
(e)	300 mm	2290.46	No
(f)	350 mm	2643.77	No
(g)	400 mm	3024.54	No
(h)	450 mm	4349.45	No
(i)	500 mm	4643.88	No
(j)	600 mm	5878.48	No
(k)	700 mm	6761.75	No
(l)	750 mm	7645.03	No
6 Cutting of C.I./D.I. Pipes			
	Labour charges for cutting CI/DI pipes with the help of requisite tools and as directed by engineer-in-charge. (GWSSB CIVIL SOR 2022-23,Sec.B I.no.18.a, P.no.42)		
(a)	Pipe thickness up to 10mm	1.27	CM
(b)	Pipe thickness from up to 11mm to 20 mm	1.61	CM
7 Escaping of C.I. Caps			
	Excaping the C.I. cap including removing water from the pit etc. complete as per the instruction of engineer-in-charge. (VMC SOR 2006)		
(a)	100 mm	18.75	No
(b)	150 mm	23.21	No
(c)	200 mm	36.61	No
(d)	250 mm	117.86	No
(e)	300 mm	136.61	No
(f)	350 mm	273.21	No
(g)	400 mm	290.18	No
(h)	450 mm	584.82	No
(i)	500 mm	684.82	No
(j)	600 mm	1056.25	No

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8	Removing of existing CI/DI Pipe		
	Removing of existing C.I./D.I. pipeline including removing of specials, valves jointing material including carting and stacking of removed material from site of work to the department store as directed excl. excavation and refilling etc. complete as per instruction of engineer-in-charge. (GWSSB CIVIL SOR 2022-23, Sec.G, I.NO.15.a P.NO.81)		
(a)	80 mm	19.55	RMt
(b)	100 mm	23.00	RMt
(c)	150 mm	35.65	RMt
(d)	200 mm	48.30	RMt
(e)	250 mm	64.40	RMt
(f)	300 mm	80.50	RMt
(g)	350 mm	98.90	RMt
(h)	400 mm	121.90	RMt
(i)	450 mm	144.90	RMt
(j)	500 mm	166.75	RMt
(k)	600 mm	220.80	RMt
(l)	700 mm	281.75	RMt
(m)	750 mm	316.25	RMt
9	Fixing of D. I. Specials with tyton joints		
	Lowering, Laying and jointing D.I. specials suitable tyton joints of following diameter in proper position, grade, alignment as directed by engineer-in-charge including cost of EPDM rubber ring, cutting and grinding the pipe including conveyance from store to site, giving hydraulic testing etc. complete (VMC SOR 2006)		
(a)	For 150 mm dia	212.50	No
(b)	For 200 mm dia	250.89	No
(c)	For 250 mm dia	316.07	No
(d)	For 300 mm dia	442.86	No
(e)	For 350 mm dia	565.18	No
(f)	For 400 mm dia	704.46	No
(g)	For 450 mm dia	789.29	No
(h)	For 500 mm dia	982.14	No
(i)	For 600 mm dia	1295.54	No
(j)	For 700 mm dia	1555.36	No
10	Laying of CI/DI pipe line		
	Laying of CI/DI pipe line with specials in trenches using and jointing tighten joint etc. complete with testing. (GWSSB CIVIL SOR 2022-23, Sec.B,I.NO.6, P.NO.36)		
(a)	100 mm	63.25	RMt
(b)	150 mm	87.40	RMt
(c)	200 mm	113.85	RMt
(d)	250 mm	146.05	RMt
(e)	300 mm	178.25	RMt

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(f)	350 mm	216.20	RMt
(g)	400 mm	258.75	RMt
(h)	450 mm	304.75	RMt
(i)	500 mm	358.80	RMt
(j)	600 mm	464.60	RMt
(k)	700 mm	589.95	RMt
11	Cutting of H.S./M.S. pipe		
	Labour charges for Cutting of H.S./M.S. pipe with necessary tools as directed by engineer in charge. (GWSSB CIVIL SOR 2022-23, Sec.E,I.NO.8(2), P.NO. 67)		
	(i) 5 to 10 mm thick	64.40	RMT
12	Welding of H.S./M.S. pipe		
	Labour charges for Welding of H.S./M.S. pipe with necessary tools including finishing of joint as directed by engineer in charge. (GWSSB CIVIL SOR 2022-23, Sec.E,I.NO.7(2), P.NO. 67)		
	(i) For plate thickness 4mm to 7 mm	783.15	RMT
	(ii) For plate thickness above 7 mm.	838.35	RMT
13	Dewatering		
	Dewatering by pumping set of required capacity including temporary platform carting pumping at site and fixing same in position including all accessories and fuel, labour, etc. complete as per instruction by engineer in charge. (GWSSB CIVIL SOR 2022-23, Sec.E, I.NO.1, P.NO. 104)	21.07	HP/hr
14	(A)Hiring of D.G.Set		
	Hiring of D.G. Set of 30 KVA with carting at site. (GWSSB Ele.Mech SOR 19-20, Sec.C, I.NO.11, P.NO. 37)	1156.40	Day
	(B) FUEL-OIL LUBRICANT charges for D.G. Set (GWSSB Ele.Mech SOR 19-20, Sec.C, I.NO.11, P.NO. 37)	417.72	hour
15	Hiring of JCB Breaker Machine with Operater/driver, Diesel etc. complete (Rates are approved by ARC of feederline Standing Committee tharav no.402, Dt.13-12-2024)	2325.97	Hour
16	Back Filling		
	Back filling of trenches in thickness of 15 CM with soil including watering, setting with hammer and displace of additional soil in the radius of 3.0 Km as directed by site incharge. (GWSSB CIVIL SOR 22-23, Sec.B, I.no.14(1), P.NO.40)	25.30	CUM

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17	Reinstatement of asphalt road		
	(a) (11 cm) Thick Compacted soling. Preparing of sub grade with rolling and watering then providing and laying of 11.0 cm thick compacted solling by using good quality of machine cut metal of size 90 mm to 45 mm with spreading of good quality of sand, as specified including rolling and watering and its all complete as per specification and instruction by site incharge.(without GST) (RA as per R&B S.O.R. 2024-25 approved by Road project Dt.18-03-2025)	246.00	SQM
	(b) (10 cm) Thick Compacted Metal Grouting(With Bitumean). Providing and laying of 10cm thick compacted metal grouting in two layer each of 5cm thick compacted with good quality of metal of size 53mm to 22.4mm by using VG-30 grade bitumean @ 0.5kg/sq. mt as track coat on existing surface and 1.5kg/sq. mt on eacj layer of metal and spreading cleaning of existing surface, rolling in each layer etc. complete with good quality of material as per specification and instruction by site incharge. Bitumean rate 62117.56 per MT Dt.01-04-2022 to Dt.15-04-2022.(without GST) (RA as per R&B S.O.R. 2024-25 approved by Road project Dt.18-03-2025)	379.00	SQM
18	Replacing of gland packing for sluice valve as per instruction by engineer in charge (GWSSB CIVIL SOR 2022-23, Sec.G, Item NO.12(A), P.NO. 79)		
(a)	100 mm	86.25	No.
(b)	150 mm	102.35	No.
(c)	200 mm	139.15	No.
(d)	250 mm	146.05	No.
(e)	300 mm	155.25	No.
(f)	350 mm	227.70	No.
(g)	400 mm	241.50	No.
(h)	450 mm	258.75	No.
(i)	500 mm	276.00	No.
(j)	600 mm	293.25	No.
(k)	700 mm	335.80	No.
19	Demolition including stacking of servicable materials and disposal of unserviceable materials with all lead and lift. (i) RCC work (R & B SOR 2024-25, ch.20 I. no. 20.3, P.NO. 147)	1073.56	CUM
20	UPVC Connection Work		
	Providing and laying UPVC pipe with fittings like tee, elbow, etc with solution of following diameter. (R & B SOR 2024-25, M796, M797, M798)		
(a)	15 mm	21.19	RMT
(b)	20 mm	27.12	RMT
(c)	25 mm	42.37	RMT

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21	Hiring of Hydra Machine		
	Hiring of Hydra Machine(Crane) including Driver and Diesel(For 8 Hours/Day) (GWSSB CIVIL SOR 22-23, Sec.C, I.NO.7, P.NO. 105)		
	12 Tonne Capacity	3834.66	Day
22	Hiring of Tractor		
	Hiring Tractor with trolley with Driver & Diesel for 8 hrsworking of a day.(GWSSB SOR 2022-23, It no 7, Pg no 105	2419.70	Day