



VADODARA MUNICIPAL CORPORATION

WATER WORKS DEPARTMENT

ABSTRACT SHEET

PART - A (Labour)

Name of Work : Annual rate contract (2025-2026) for repairing and maintenance work of CI/DI water pipeline for all Zone and Water Works Department.

Sr No.	Item	Quantity	VMC Rate Rs	Per/Unit	Total Amount (Rs)
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.				
	S.O.R. - GWSSB CIVIL				
	S.O.R. Year - 2022-2023				
	Chapter No :- Labour Section-B				
	Item No - 1 A1 & A2				
	Page 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.		112.00	SQM	
	R.A. Approval Date :- 18-03-2025				
	Approved R.A. Number :- 42/2024-2025				
	R.A. Approved By :- City Engineer				
3	Excavation by JCB machine		648.13	Hour	
	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.				
	Approval Date :- 30/08/2024				
	Approved Standing Committee Tharav Number :- 178				
	Rate Approved By :- Standing Committee				
4	Lowering, laying and jointing of valves SV/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)				
	S.O.R. - GWSSB CIVIL				
	S.O.R. Year - 2022-2023				
	Chapter No :- Labour Section-B				
	Item No - 15.a				
	Page 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	
(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				
	R.A. Approval Date :- 28/09/2021				
	Approved R.A. Number :-				
	R.A. Approved By :- Additional City Engineer(WaterWorks)				
(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.				
	S.O.R. - GWSSB CIVIL				
	S.O.R. Year - 2022-2023				
	Chapter No :- Labour Section-B				
	Item No - 18.a				
	Page 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.				
	R.A. Approval Date :-				
	Approved R.A. Number :-VMC 2006-2007				
	R.A. Approved By :-				
(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	
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.				
	S.O.R. - GWSSB CIVIL				
	S.O.R. Year - 2022-2023				
	Chapter No :- Maintenance & Repairs Section-G				
	Item No - 15.a				
	Page 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.				
	R.A. Approval Date :-				
	Approved R.A. Number :-VMC 2006-2007				
	R.A. Approved By :-				
(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.				
	S.O.R. - GWSSB CIVIL				
	S.O.R. Year - 2022-2023				
	Chapter No :- Labour Section-B				
	Item No - 06				
	Page 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	
(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.				
	S.O.R. - GWSSB CIVIL				
	S.O.R. Year - 2022-2023				
	Chapter No :- Miscellaneous Items Section-E				
	Item No - 8(2)				
	Page 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.				
	S.O.R. - GWSSB CIVIL				
	S.O.R. Year - 2022-2023				
	Chapter No :- Miscellaneous Items Section-E				
	Item No - 7(2)				
	Page 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.		21.07	HP/hr	
	S.O.R. - GWSSB CIVIL				
	S.O.R. Year - 2022-2023				
	Chapter No :- Miscellaneous Items Section-E				
	Item No - 1				
	Page no - 104				

14	(A)Hiring of D.G.Set				
	Hiring of D.G. Set of 30 KVA with carting at site.		1156.40	Day	
	S.O.R. - GWSSB Ele.Mech				
	S.O.R. Year - 2019-20				
	Chapter No :- Labour Section-C				
	Item No - 11				
	Page no - 37				
	(B) FUEL-OIL LUBRICANT charges for D.G. Set		417.72	hour	
	S.O.R. - GWSSB Ele.Mech				
	S.O.R. Year - 2019-20				
	Chapter No :- Labour Section-C				
	Item No - 11				
	Page no - 37				
15	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.		25.30	CUM	
	S.O.R. - GWSSB CIVIL				
	S.O.R. Year - 2022-2023				
	Chapter No :- Labour Section-B				
	Item No - 14(1)				
	Page no - 40				
16	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.		246.00	SQM	
	R.A. Approval Date :- 18/03/2025				
	Approved R.A. Number :- 17/24-25				
	R.A. Approved By :- City Engineer				
	(b) (10 cm) Thick Compacted Metal Grouting(With Bitumeane). 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 bitumeane @ 0.3kg/sq. mt as track coat on existing surface and 1.5kg/sq. mt on each 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.		379.00	SQM	
	R.A. Approval Date :- 18/03/2025				
	Approved R.A. Number :- 17/24-25				
	R.A. Approved By :- City Engineer				

17	Replacing of gland packing for sluice valve as per instruction by engineer in charge				
	S.O.R. - GWSSB CIVIL				
	S.O.R. Year - 2022-2023				
	Chapter No :- Maintenance & Repairs Section-G				
	Item No - 12(A.2)				
	Page no - 79				
(a)	100 mm		77.05	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		225.40	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.	
18	Demolition including stacking of servicable materials and disposal of unserviceable materials with all lead and lift. (i) RCC work		1020.60	CUM	
	S.O.R. - R&B (EE District)				
	S.O.R. Year - 2023-2024				
	Chapter No :- 20 I				
	Item No - 20.3				
	Page no - 99				
19	Hiring of Hydra with Driver & Diesel (8 working hrs in Day)(upto 12 ton capacity)		3834.66	Day	
	S.O.R. - GWSSB CIVIL				
	S.O.R. Year - 2022-2023				
	Chapter No :- Miscellaneous Items Section-E				
	Item No - 7				
	Page no - 105				
20	Hiring of Tractor with trolley considering 8 hrs as working day hrs including Driver & Diesel		2419.70	Day	
	S.O.R. - GWSSB CIVIL				
	S.O.R. Year - 2022-2023				
	Chapter No :- Miscellaneous Items Section-E				
	Item No - 7				
	Page no - 105				
21	Hiring Manual/Hand operated breaker machine		89.61	Hour	
	Approval Date :- 13/12/2024				
	Approved Standing Committee Tharav Number :- 402				
	Rate Approved By :- Standing Committee				
22	Hiring of JCB Breaker Machine with Operator/driver, Diesel etc. complete		2325.97	Hour	
	Approval Date :- 13/12/2024				
	Approved Standing Committee Tharav Number :- 402				
	Rate Approved By :- Standing Committee				
23	Hiring of Poclain Machine with Operator/driver, Diesel etc. complete		3581.57	Hour	
	Approval Date :- 13/12/2024				
	Approved Standing Committee Tharav Number :- 402				
	Rate Approved By :- Standing Committee				

24	L, L & J PVC/uPVC/cPVC pipes & specials				
	Lowering, laying, fixing and jointing PVC/uPVC/cPVC pipes & specials of following class and diameter including cost of conveyance from store to site of works including cost of labour, material, cement solvent, giving satisfactory hydraulic testing as per ISI code.				
	S.O.R. - GWSSB CIVIL				
	S.O.R. Year - 2022-2023				
	Chapter No :- Labour Section-B				
	Item No - 8				
	Page no - 37				
(a)	63 mm		13.80	Rmt.	
(b)	75 mm		17.25	Rmt.	
(c)	90 mm		19.55	Rmt.	
(d)	110 mm		21.85	Rmt.	
(e)	125 mm		24.15	Rmt.	
(f)	140 mm		26.45	Rmt.	
(g)	160 mm		32.20	Rmt.	
(h)	180 mm		39.10	Rmt.	
(i)	200 mm		42.55	Rmt.	
(j)	225 mm		54.05	Rmt.	
(k)	250 mm		58.65	Rmt.	
(l)	280 mm		69.00	Rmt.	
(m)	315 mm		79.35	Rmt.	