

	VADODARA MUNICIPAL CORPORATION				
	WATER WORKS DEPARTMENT				
	ABSTRACT SHEET				
	PART - B (Material)				
Name of Work : Annual rate contract (2025-26) for repairing and maintenance work of CI/DI water pipeline for all Zone and Water Works Department.					
Sr. No.	Item	Quantity	VMSS Rate Rs	Per/Unit	Total Amount (Rs)
1	D. I. Specials				
	Supply and Delivery of Ductile Iron Flange socket spigot, bends, tees, reducers or any other specials as per BS- EN-545/1995 Class – A series K-12 suitable for use with D.I. Pipes manufactured as per IS:8329/1994 delivery of specials is to be made to water supply store or site of works any where in Gujarat including all taxes, loading, unloading, carting, stacking, insurance, inspection charges, octroi etc complete with external bitumen & zinc coating & internal cement mortar lining.				
	S.O.R = GWSSB CIVIL				
	SOR Year :- 2022-2023				
	Chapter No :- Material Section-A				
	Item No :- 08				
	Page No :- 11				
(a)	Socket & Spigot type				
	80 mm to 300 mm		148.00	Kg	
	350 mm to above		151.00	Kg	
(b)	Flanged Ended				
	80 mm to 300 mm		155.00	Kg	
	350 mm to above		158.00	Kg	
2	C. I. Specials				
	Supply and delivery of following diameter cast iron specials complete as per IS: 5531-1977 (Part I to III) or its latest revision if any, suitable for use with A.C. Pressure pipes manufactured as per IS: 1592-1989 or its latest revision for various diameter.				
	S.O.R = GWSSB CIVIL				
	SOR Year :- 2022-2023				
	Chapter No :- Material Section-A				
	Item No :- 19				
	Page No :- 28				
(a)	Socket & Spigot type				
	80 mm to 600 mm		58.00	Kg	
(b)	Flanged Ended				
	80 mm to 600 mm		58.00	Kg	

3	Providing and supplying G.I.pipe				
	Providing and supplying ISI mark G.I. Pipes with coupling & fittings of B-class and diameter including taxes, insurance, loading, unloading, transportation to departmental stores, stacking etc.complete (Heavy Duty) including lowering, laying & jointing pipes with fittings in proper position, grade and alignment as directed by Engineer-in-charge including conveyance from store to site of work, labour giving hydraulic testing etc. complete.				
	S.O.R = GWSSB CIVIL				
	SOR Year :- 2022-2023				
	Chapter No :- Material Section-A				
	Item No :- 6.1 C				
	Page No :- 10,11				
(a)	15 mm		114.00	RMT	
(b)	20 mm		148.00	RMT	
(c)	25 mm		211.00	RMT	
4	Sluice Valves (with EPDM) with cap operated				
	Providing & supplying of Following Sluice Valve Ductile Iron/Spheroidal Graphite (S.G.) Iron Double flanged resilient seated Sluice Valves Full bore in accordance with BS 5163/EN 1074-1&2 of PN-10/16 rated, with Body and Bonnet of Ductile Iron conforming to GGG-50/40 or IS 1865 Gr. (SG 500/7 or SG 400/15), Wedge of WRAS or DVGW approved EPDM rubber (approved for drinking water), Integral Wedge nut, Shaft of S.S. AISI 420, O rings of NBR. Body & Bonnet coated with electrostatically applied epoxy powder coating to DIN 30677-2 & GSK guidelines or equivalent to GSK Guideline. Blue colour RAL 5005/5017 with a coating thickness of 250 microns both inside & outside. Sluice valve shall be compatible for buried applications without valve chamber. Face-to-face dimensions as per BS 5163/EN558 and Flange drilling as per IS 1538. 100% tight shut-off. Manual operation by Hand wheel. Motorized operation by Electrical Actuator suitable for SCADA system.				
	R.A. Approval Date :- 21/08/2023				
	Approved R.A. Number :-				
	R.A. Approved By :- Additional City Engineer(Waterworks) Shri				
	1) 100mm Dia. P.N. 16		11877.00	No	
	2) 150mm Dia. P.N. 16		20701.50	No	
	3) 200mm Dia. P.N. 16		32856.00	No	
	4) 250mm Dia. P.N. 16		54612.00	No	
	5) 300mm Dia. P.N. 16		68265.00	No	
	6) 350mm Dia. P.N. 16		98790.00	No	
	7) 400mm Dia. P.N. 16		127650.00	No	
	8) 450mm Dia. P.N. 16		163392.00	No	
	9) 500mm Dia. P.N. 16		235875.00	No	
	10) 600mm Dia. P.N. 16		393495.00	No	

5	Sluice valves PN-1.6 With cap operated (PD type short body)				
	Providing and supplying ISI mark CI D/F Sluice Valves as per IS:14846 (Latest Edition) of following class and diameter including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc. complete.				
	S.O.R = GWSSB CIVIL				
	SOR Year :- 2022-2023				
	Chapter No :- Material Section-A				
	Item No :- 13.1.F				
	Page No :- 22				
	1) 100mm Dia. P.N. 16		3598.00	No	
	2) 150mm Dia. P.N. 16		5857.00	No	
	3) 200mm Dia. P.N. 16		10295.00	No	
	4) 250mm Dia. P.N. 16		16402.00	No	
	5) 300mm Dia. P.N. 16		20946.00	No	
	6) 350mm Dia. P.N. 16		31286.00	No	
	7) 400mm Dia. P.N. 16		47009.00	No	
	8) 450mm Dia. P.N. 16		55045.00	No	
	9) 500mm Dia. P.N. 16		92554.00	No	
	10) 600mm Dia. P.N. 16		126464.00	No	
6	D. I. Pipe K-7				
	Providing and supplying D. I. K-7 grade pipes for following nominal bore diameter with internal cement mortar lining including the cost of EPDM rubber ring, all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading etc.				
	S.O.R = GWSSB CIVIL				
	SOR Year :- 2022-2023(revised)				
	Chapter No :- Material Section-A				
	Item No :- 2.1 B				
	Page No :- 05,06				
(a)	100 mm		1003.00	RMt	
(b)	150 mm		1477.00	RMt	
(c)	200 mm		1880.00	RMt	
(d)	250 mm		2460.00	RMt	
(e)	300 mm		3110.00	RMt	
(f)	350 mm		3858.00	RMt	
(g)	400 mm		4583.00	RMt	
(h)	450 mm		5418.00	RMt	
(i)	500 mm		6505.00	RMt	
(j)	600 mm		8483.00	RMt	
(k)	700 mm		11645.00	RMt	
(l)	750 mm		13177.00	RMt	

7	C.I. Pipe Class- LA				
	Providing and supplying ISI mark C.I. S & S spun pipe for following nominal bore diameter with rubber gaskets of Class-LA including the cost of EPDM rubber ring, all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading etc.				
	S.O.R = GWSSB CIVIL				
	SOR Year :- 2014-2015				
	Chapter No :- Material Section-A				
	Item No :- 1(A)				
	Page No :- 01				
	Test Pressure 12 Kg / Sq. Cm.				
(a)	80 mm		1038.00	RMt	
(b)	100 mm		1255.00	RMt	
(c)	150 mm		1880.00	RMt	
(d)	200 mm		2745.00	RMt	
(e)	250 mm		3698.00	RMt	
(f)	300 mm		4767.00	RMt	
(g)	350 mm		6130.00	RMt	
(h)	400 mm		7463.00	RMt	
(i)	450 mm		9041.00	RMt	
(j)	500 mm		10729.00	RMt	
(k)	600 mm		14152.00	RMt	
(l)	700 mm		18754.00	RMt	
(m)	750 mm		21003.00	RMt	
8	M.S.Specials				
	S.O.R = GWSSB CIVIL				
	SOR Year :- 2022-2023				
	Chapter No :- Material Section-A				
	Item No :- 7				
	Page No :- 11				
	A) M.S. specials plain & socket				
	1) upto 300 mm dia.		96.00	Kg.	
	2) above 300 mm dia.		96.00	Kg.	
	B) M.S. specials flanged ends				
	1) upto 300 mm dia.		98.00	Kg.	
	2) above 300 mm dia.		98.00	Kg.	
9	PVC pipes				
	Providing and supplying in standard length ISI mark rigid unplasticised PVC pipes suitable for portable water with ring fit joint including cost of rings, as per IS specification no. 4985/1988 including all local and central taxes, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to the departmental store and including cost of joining material etc. complete.				
	S.O.R = GWSSB CIVIL				
	SOR Year :- 2022-2023(revised)				
	Chapter No :- Material Section-A				
	Item No :- 3.1				
	Page No :- 06,07				
	Note:				
	1. One Coupler/ ring shall be provided with each full length pipe cost of which is included in rates below.				
	2. 3% (Three) Discounted rate to be consider for coupler jointed pipe				

	3. Rate for PVC Resin as Rs.91739/MT (Price without GST)				
	3.1.A Test Pressure 4 Kg / Sq. Cm.				
(a)	63 mm		49.00	RMt	
(b)	75 mm		69.00	RMt	
(c)	90 mm		96.00	RMt	
(d)	110 mm		139.00	RMt	
(e)	125 mm		180.00	RMt	
(f)	140 mm		225.00	RMt	
(g)	160 mm		294.00	RMt	
(h)	180 mm		374.00	RMt	
	3.1.B Test Pressure 6 Kg / Sq. Cm.				
(a)	63 mm		69.00	RMt	
(b)	75 mm		96.00	RMt	
(c)	90 mm		139.00	RMt	
(d)	110 mm		199.00	RMt	
(e)	125 mm		263.00	RMt	
(f)	140 mm		326.00	RMt	
(g)	160 mm		420.00	RMt	
(h)	180 mm		537.00	RMt	
	3.1.C Test Pressure 8 Kg / Sq. Cm.				
(a)	63 mm		86.00	RMt	
(b)	75 mm		123.00	RMt	
(c)	90 mm		173.00	RMt	
(d)	110 mm		258.00	RMt	
(e)	125 mm		336.00	RMt	
(f)	140 mm		426.00	RMt	
(g)	160 mm		554.00	RMt	
(h)	180 mm		693.00	RMt	
	3.1.D Test Pressure 10 Kg / Sq. Cm.				
(a)	63 mm		106.00	RMt	
(b)	75 mm		150.00	RMt	
(c)	90 mm		213.00	RMt	
(d)	110 mm		320.00	RMt	
(e)	125 mm		412.00	RMt	
(f)	140 mm		513.00	RMt	
(g)	160 mm		672.00	RMt	
(h)	180 mm		848.00	RMt	
10	C.I.D.Joints				
	Supply and fitting of cast iron detachable joints(shorts & long) complete with joint flanges duly drilled, synthetic rubber sealing rings manufactured from styrene butadiene rubber(SBR) and other require accessories such as nut bolts etc confirming to IS specification 8794-1988 or its latest revision if any suitable for use with AC pressure pipes, delivery of joints including its accessories including loading, unloading, carting, stacking, unurance, all taxes, octroi etc. complete.				
	S.O.R = GWSSB CIVIL				
	SOR Year :- 2022-2023				
	Chapter No :- Material Section-A				
	Item No :- 12				
	Page No :- 17 to 19				
	Short collar with ISI mark class -15				
(a)	80 mm		197.00	No	
(b)	100 mm		248.00	No	
(c)	150 mm		411.00	No	

(d)	200 mm		597.00	No	
(e)	250 mm		796.00	No	
(f)	300 mm		982.00	No	
(g)	350 mm		1638.00	No	
(h)	400 mm		1883.00	No	
(i)	450 mm		2278.00	No	
(j)	500 mm		3396.00	No	
(k)	600 mm		5049.00	No	
	Long collar with ISI mark class -15				
(a)	80 mm		252.00	No	
(b)	100 mm		313.00	No	
(c)	150 mm		604.00	No	
(d)	200 mm		993.00	No	
(e)	250 mm		1311.00	No	
(f)	300 mm		1632.00	No	
(g)	350 mm		2232.00	No	
(h)	400 mm		2661.00	No	
(i)	450 mm		3196.00	No	
(j)	500 mm		5098.00	No	
(k)	600 mm		6977.00	No	
11	PVC fittings				
	Providing and supplying at store or site of work inc. freight, loading, unloading, stacking, insurance & all taxes etc. complete.				
	S.O.R = GWSSB CIVIL				
	SOR Year :- 2022-2023				
	Chapter No :- Material Section-A				
	Item No :- 9				
	Page No :- 11 to 13				
	9.2.A PVC couplers 6 Kg / Sq. Cm.(fabricated)				
(a)	63 mm		31.00	No	
(b)	75 mm		44.00	No	
(c)	90 mm		78.00	No	
(d)	110 mm		133.00	No	
(e)	140 mm		295.00	No	
(f)	160 mm		439.00	No	
(g)	200 mm		678.00	No	
	9.2.B PVC couplers 10 Kg / Sq. Cm.(moulded)				
(a)	63 mm		52.00	No	
(b)	75 mm		90.00	No	
(c)	90 mm		133.00	No	
(d)	110 mm		235.00	No	
(e)	140 mm		479.00	No	
(f)	160 mm		629.00	No	
(g)	200 mm		1145.00	No	
	9.2.C PVC Tail piece with PVC flange(ISI) heavy duty(moulded)				
(a)	63 mm		158.00	No	
(b)	75 mm		187.00	No	

(c)	90 mm		236.00	No	
(d)	110 mm		320.00	No	
(e)	140 mm		604.00	No	
(f)	160 mm		811.00	No	
	9.2.D Service saddle 25mm (moulded) heavy				
(a)	63 mm		115.00	No	
(b)	75 mm		144.00	No	
(c)	90 mm		167.00	No	
(d)	110 mm		184.00	No	
(e)	140 mm		375.00	No	
(f)	160 mm		465.00	No	
	9.2.E PVC Tee(moulded)				
(a)	63x63 mm		125.00	No	
(b)	75x63 mm		177.00	No	
(c)	75x75 mm		199.00	No	
(d)	90x63 mm		251.00	No	
(e)	90x75 mm		297.00	No	
(f)	90x90 mm		324.00	No	
(g)	110x75 mm		338.00	No	
(h)	110x90 mm		470.00	No	
(i)	110x110 mm		407.00	No	
(j)	140x140 mm		679.00	No	
(k)	160x110 mm		857.00	No	
(l)	160x160 mm		952.00	No	
	9.2.F PVC Elbow(moulded)				
(a)	63 mm		77.00	No	
(b)	75 mm		129.00	No	
(c)	90 mm		216.00	No	
(d)	110 mm		358.00	No	
(e)	140 mm		539.00	No	
(f)	160 mm		687.00	No	
(g)	200 mm		1568.00	No	
	9.2.G PVC Reducer(moulded)				
(a)	200x160 mm		901.00	No	
(b)	160x140 mm		511.00	No	
(c)	160x110 mm		375.00	No	
(d)	160x90 mm		304.00	No	
(e)	140x110 mm		252.00	No	
(f)	140x90 mm		226.00	No	
(g)	140x75 mm		226.00	No	
(h)	110x90 mm		188.00	No	
(i)	110x75 mm		182.00	No	
(j)	110x63 mm		171.00	No	
(k)	90x75 mm		110.00	No	
(l)	90x63 mm		104.00	No	
(m)	75x63 mm		83.00	No	
	9.2.H PVC Bend 90 degree (fabricated) 4.0 kg				
(a)	63 mm		73.00	No	
(b)	75 mm		103.00	No	
(c)	90 mm		190.00	No	
(d)	110 mm		329.00	No	
(e)	140 mm		733.00	No	
(f)	160 mm		1089.00	No	
(g)	200 mm		1511.00	No	

	9.2.I PVC Bend 90 degree (fabricated) 6.0 kg				
(a)	63 mm		89.00	No	
(b)	75 mm		138.00	No	
(c)	90 mm		236.00	No	
(d)	110 mm		421.00	No	
(e)	140 mm		1037.00	No	
(f)	160 mm		1637.00	No	
(g)	200 mm		3244.00	No	
	9.2.J PVC Bend 90 degree (moulded) light				
(a)	63 mm		86.00	No	
(b)	75 mm		129.00	No	
(c)	90 mm		216.00	No	
(d)	110 mm		358.00	No	
(e)	140 mm		539.00	No	
(f)	160 mm		687.00	No	
	9.2.K PVC Bend 90 degree (moulded) heavy				
(a)	63 mm		118.00	No	
(b)	75 mm		174.00	No	
(c)	90 mm		318.00	No	
(d)	110 mm		519.00	No	
(e)	140 mm		809.00	No	
(f)	160 mm		972.00	No	
12	Providing and laying compacted Granular Sub-Base (G.S.B.) in required layer by providing course graded material (Grading V) using river bed materia such as unscreened gravel (CBR more than 30%) including spreading, watering consolidation by vibratory roller etc. complete. (without GST) (Rate Analysis As per R&B S.O.R. 2021-22 approved by Road Project Department on dated 05-04-2022)		1045.00	CUM	
	R.A. Approval Date :- 18/03/2025				
	Approved R.A. Number :- 20/24-25				
	R.A. Approved By :- City Engineer Shri				
13	Providing & laying compected machine crushed black stone aggregate(of sevalia/Timba area) wet mix macadam(W.M.M) in the material with water to OMC in mechanically mix (pug mill) carriage of mix material by tipper to site laying with Tractor Dozer, spreading and compacting in sub base, base course on well prepared under base of compacting power vibrater roller to achive the desired density (mechanically laid). (Rate Analysis As per R&B S.O.R. 2021-22 approved by Road Project Department on dated 05-04-2022)		1748.00	CUM	
	R.A. Approval Date :- 18/03/2025				
	Approved R.A. Number :- 22/24-25				
	R.A. Approved By :- City Engineer Shri				

14	UPVC Connection Work				
	Providing and laying UPVC pipe with fittings like tee, elbow, etc with solution of following diameter.				
	S.O.R = R&B GOG				
	SOR Year :- 2023-2024				
	Chapter No :- Basic Material Rate				
	Item No :- M796, M797, M798				
(a)	15 mm		21.19	RMT	
(b)	20 mm		27.12	RMT	
(c)	25 mm		42.37	RMT	