

SURAT MUNICIPAL CORPORATION						
HYDRAULIC DEPARTMENT						
Name of Work :-		Providing, Manufacturing, Supplying, Conveying, Lowering & Laying and Conversation of CI/DI TO MS LINE at Various locations of ESR and Leakage spot as per Requirement in East Zone-A (Varachha) of Surat Municipal Corporation.(2nd Attempt)				
SCHEDULE-B						
				Rate GWSSB 2022-23 & R & B 2023-24 & Market Rate		
Sr.	DTS	Item	Qty	Unit	Rate	Amount
No.	No.				in Rs.	in Rs.
PART-A : MATERIAL PROCUREMENT						
1		Providing &supplying sleeve/swaged ended Sprially submerged arc welded M.S pipe of following dia (Outer dia) confirming to IS 3589:2001 bearing ISI mark including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading , unloading, conveyance to departmental stores, stacking etc. complete. (As per GWSSB 2022-23 Page no -1)				
	(i)	168.30 mm dia(OD of Steel Tube) 4.5 mm thickness	10.000	Rmt.	1285.00	12850.00
	(ii)	219.10 mm dia(OD of Steel Tube) 6.3 mm thickness	10.000	Rmt.	2337.00	23370.00
	(iii)	323.90 mm dia(OD of Steel Tube) 5.6 mm thickness	60.000	Rmt.	3106.00	186360.00
	(iiii)	508 mm dia(OD of Steel Tube) 6.3 mm thickness	150.000	Rmt.	5509.00	826350.00
	(v)	610 mm dia(OD of Steel Tube) 6.3 mm thickness	150.000	Rmt.	6628.00	994200.00
	(vi)	711 mm dia(OD of Steel Tube) 7.1 mm thickness	20.000	Rmt.	8710.00	174200.00
	(vii)	813 mm dia(OD of Steel Tube) 7.1 mm thickness	20.000	Rmt.	9972.00	199440.00
	(viii)	1016 mm dia(OD of Steel Tube) 8.8 mm thickness	10.000	Rmt.	15446.00	154460.00
	(ix)	1219 mm dia(OD of Steel Tube) 10 mm thickness	0.000	Rmt.	21239.00	0.00
2		Providing, manufacturing, and supplying at site the M.S. specials as required at site and suitable for field welding at site. The size and dimensions shall be confirming to IS:7322, with providing and applying on outer coating of corrosion and chloride resistant treatment and inner coating of food grade quality epoxy paint as approved by Engineer in charge. The item includes cost of providing M.S.plate, fabrication and conveyance etc. complete as directed by the Engineer-in-charge. (GWSSB 2022-23 Part 1 & 2 , Material Section, Pg no.11 It no.7.1.A & 7.2.B)				
		M.S.Specials				
	(a)	plain and socket end up to 300mm dia	200.000	Kg	96.00	19200.00
	(b)	plain and socket end above 300mm dia	200.000	Kg	96.00	19200.00
	(c)	M.S.Specials flanged end up to 300mm dia	200.000	Kg	98.00	19600.00
	(d)	M.S.Specials flanged end above 300mm dia	200.000	Kg	98.00	19600.00
		TOTAL AMOUNT OF PART-A				26,48,830.00
PART-B : LABOUR WORK						
3		Excavation for pipeline trenches including all safety provision (barricadding, fencing etc.) using site rails with shoring, strutting and stacking the excavated stuff upto 90.00 mt. Cleaning the site etc.complete for lift and strata s specified. The excavation shall be carried out in stable slope for which no extra payment will be made. Rate is inclusive of backfilling the trenches with available excavated earth (excluding rock) in layer including ramming, watering, consolidating the same etc. complete as directed by the Engineer-In-Charge. (GWSSB 2022-23 Part 1 & 2 , Labour Section, Pg no.32 It no.1.A)				
	(a)	In all sorts of soil, soft murrum, hard murrum, soft rock, etc.				
	-	0 to 1.5 mt. Depth	1215.000	Cu.m.	102.35	124355.25
	-	1.5 mt. to 3.0 mt. Depth	1215.000	Cu.m.	112.70	136930.50
	-	Above 3.0 mt. Depth	1215.000	Cu.m.	118.45	143916.75

			Rate GWSSB 2022-23 & R & B 2023-24 & Market Rate			
Sr.	DTS	Item	Qty	Unit	Rate	Amount
No.	No.				in Rs.	in Rs.
4		Backfilling the trenches with available excavated earth (excluding rock) in layer including ramming, watering, consolidating the same etc. complete as directed by the Engineer-in-charge. Rate also includes refilling the pipeline trenches incl. ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km. (GWSSB 2022-23 Part 1 & 2 , Labour Section, Pg no.40 It no.14.1)	2500.000	Cu.m.	25.30	63250.00
5		Excavation of asphalt pavement of any thickness etc. complete with tacking the material as directed by the Engineer-in-charge (only carpet thickness shall be considered for calculation of quantity) (GWSSB 2022-23 Part 1 & 2 , Labour Section, Pg no.33 It no.2.A)	150.000	Cu.m.	288.65	43297.50
6		Inner Lining Providing Epoxy Paint to inside Pipeline with two part solvent free high build liquid epoxy lining as per AWWA C21007 suitable for portable water application & shall be approved by CFTRI-india/BS 6020-UK international standard NSF/ANSI- 61 2004 be fit for contact with portable water for human consumption with 406 micron thickness. (GWSSB 2022-23 Part 1 & 2 , Pg no.66 It no.5.B)	350.00	Sq.m.	332.00	116200.00
7		Outer Lining Providing and applying outer coating of approved brand non toxic anticorrosive Epoxy paint with Zinc rich primer of approved make as specified in specification with 250 to 325 micron thickness as directed by the engineer in charge. (Market Rate)	350.00	Sq.m.	210.00	73500.00
8		Providing and applying with mecchanical arrangement in 1:2 proportion cement, sand Guniting to MS pipe surface under 2.1 Kg/Sq.cm pressure including removing the loose materials as directed by Engineer in Charge and including scarpping the surface with wire brushes, degreasing, claening by compressed air and providing and fixing BRC fabric No.14 as reinforcement, curing for 21 days, disposing off the rebound material as directed by EIC.				
	i	25 mm thick	0.00	Sq.m.	415.15	0.00
9		Conveying, lowering and laying in position sleeve/swaged ended outercoated spiral welded pipes as of size mentioned below with specials in correct line and level upon levelled trenches. The rate includes conveyance from store to site of work, loading, unloading, hoisting, marginal cutting wherever required, assembling and welding and hydraulic testing etc. complete as directed by the Engineer-in- charge. (GWSSB 2022-23 Part 1 & 2 ,Labour Section, Pg no.33-34 It no.4.A)				
	(i)	168.30 mm dia(OD of Steel Tube) 4.5 mm thickness	10.000	Rmt.	207.00	2070.00
	(ii)	219.10 mm dia(OD of Steel Tube) 6.3 mm thickness	10.000	Rmt.	248.40	2484.00
	(iii)	323.90 mm dia(OD of Steel Tube) 5.6 mm thickness	60.000	Rmt.	341.55	20493.00
	(iiii)	508 mm dia(OD of Steel Tube) 6.3 mm thickness	80.000	Rmt.	491.05	39284.00
	(v)	610 mm dia(OD of Steel Tube) 6.3 mm thickness	120.000	Rmt.	583.05	69966.00
	(vi)	711 mm dia(OD of Steel Tube) 7.1 mm thickness	20.000	Rmt.	665.85	13317.00
	(vii)	813 mm dia(OD of Steel Tube) 7.1 mm thickness	20.000	Rmt.	846.40	16928.00
	(viii)	1016 mm dia(OD of Steel Tube) 8.8 mm thickness	10.000	Rmt.	1058.00	10580.00
	(ix)	1219 mm dia(OD of Steel Tube) 10 mm thickness	0.000	Rmt.	1251.20	0.00

			Rate GWSSB 2022-23 & R & B 2023-24 & Market Rate			
Sr.	DTS	Item	Qty	Unit	Rate	Amount
No.	No.				in Rs.	in Rs.
10		Labour work for fabrication and supplying at site MS Specials in the following sizes suitable for field welding at 'site having thickness 7 to 12 mm th. Plate. The size and 'dimensions shall be confirming to IS : 7322 as directed 'by Engineer in Charge. The item includes conveyance 'from ,store to site of work loading unloading, hosting 'marginal cutting wherever required, assembling & 'welding & hydraulic testing etc. complete as directed by 'Engineer -in -Charge.(Market Rate)	7000.00	Kg	12.50	87500.00
11		Extra Cutting of Spirally welded pipes having wall thickness up to 12 mm thick for making it of suitable 'length or making the existing edge true vertical to have perfect square joint including all material equipments and 'labour required for cutting the pipes excluding cutting of 'pipe for M.S. Specials. (GWSSB 2022-23 Part 1 & 2 , Labour Section, Pg no.67 It no.8)				
	(a)	Above 5 mm up to 10 mm thick	300.00	Rmt.	64.40	19320.00
	(b)	Above 10 mm thick	60.00	Rmt.	82.80	4968.00
12		Extra field welding in all position with required number runs, for MS pipes internally and or externally including gauging wherever necessary , fixing appurtenances and other accessories in connection with pipe laying work as per specification Thickness > 7mm (GWSSB 2022-22=3 Part 1 & 2 , Labour Section, Pg no.67 It no.7)	130.00	Rmt.	838.35	108985.50
13		Lowering,laying and jointing in position following Sluice valves / BF valves, Electrically operated vlave, Resilience seated SV including of all labour. (GWSSB 2022-23 Part 1 & 2 , Labour Section, Pg no.40 It no.15.A)				
	(a)	250 mm dia SCV	0	No.	1087.90	0.00
	(b)	500 mm dia B/F	2	No.	3340.75	6681.50
	(c)	600 mm dia B/F	2	No.	4562.05	9124.10
	(d)	700 mm dia B/F	0	No.	5784.50	0.00
	(e)	750 mm dia B/F	0	No.	6675.75	0.00
	(f)	900 mm dia B/F	0	No.	8710.10	0.00
	(g)	1200 mm dia B/F	0	No.	12896.10	0.00
14		Conveying, carting, lowering and installing in position C.I. Double Flange Sluice (Scour) Valve and Air Valve of size as mentioned below true in plumb including flanged joints, tightening and fixing nuts, bolts, washers with perfectly water tight including (GWSSB 2022-23 Part 1 & 2 , Labour Section, Pg no.40 It no.15.A & 15.C)				
	(I)	Installtion of valve				
	(a)	150 mm dia.Kinetic type Double Acting Air Valve with isolating sluice Valve	4	NO	695.75	2783.00
	(b)	200 mm dia.Kinetic type Double Acting Air Valve with isolating sluice Valve	4	NO	985.55	3942.20
15		Demolition/Dismantalling RCC work or masonry work in any part of nearby concrete structure including stacking of serviceable/useful material and disposal of unserviceable material with all lead and lift.				
	(a)	Brick masonry work (SMC SOR 23-24, Sr no.1, Pg No.17)	60.000	C.M	550.40	33024.00
	(b)	CC/RCC work (SMC SOR 23-24, Sr no.2, Pg No.17)	30.000	C.M	1057.47	31724.10

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Sr.	DTS	Item		Qty	Unit	Rate	Amount
No.	No.					in Rs.	in Rs.
16		Removing of Existing pipeline including reomoving of Specials jointing materials including carting of staking material from site to department store as per dierected excluding exacavation and refilling.					
		DI Pipe. (GWSSB SOR 2022-23 Page No. 81,It No.15.A)					
		(A)	500 mm Dia.	50	Rmt.	166.75	8337.5
		(B)	600 mm Dia.	60	Rmt.	220.80	13248
		(C)	700 mm Dia.	0	Rmt.	281.75	0
17		Job work for connection of Existing incoming/ adjoining M.S. line etc. completed		25	JOB WORK	50000.00	1250000.00
	TOTAL AMOUNT OF PART-B						2456209.90
PART-C :Chamber Works							
18		Providing & laying Cement Concrete 1:3:6 (1 Cement , 3 Course sand, 6 graded stone aggregate 40 mm.Nominal size) with ramming, curing etc. complete including cost of form work (SMC SOR 2023-24,Pg No.1,Sr No.5)					
		(A)	For Pipe Encasing,For foundation and plinth,For Thrust Block	90.000	Cu.m.	3005.76	270518.40
19		Providing & laying ordinary cement concrete in C.C.1:1.5:3 (1 Cement,1.5Coarse sand & 3 coarse agreegate 20 mm Nominal Size) (SMC SOR 2023-24,Pg No.2, Sr No.-13)					
		(a) For RCC Slab in C.C.1:1.5:3 for valve chamber (Thickness More than 13.00 CM)		100.000	Cu.m.	6813.01	681301.00
20		Providing & fixing T.M.T Fe-500 Bar reinforcement for RCC work including, bending, binding and placing in position etc. complete.(SMC SOR 2023-24,PgNo.2,,Sr No.-15)		3000.000	Kg.	76.21	228630.00
21		Providing & constructing brick work using Fly ash bricks having crushing strength not less than 35 kg/sqcm in foundation and plinth in CM (1:6) (1 cement : 6 fine sand) (SMC SOR 2023-24,Pg No.1, Sr No.-09)					
		(B) Conventional		80.000	Cu.m.	4237.00	338960.00
22		Providing and applying 10 mm th.Cement plaster in single coat on brick/concrete walls similar surface for plastering & finished even and smooth with a floating coat of neat cement slurry mixed with admixture of lime or neeru in required proportion etc. complete Cement mortar 1:3 (1 cement : 3 fine sand) (SMC SOR 2023-24,Pg No.3,Sr No.24)		1000.000	Sq.m.	189.79	189790.00
23		Providing & fixing polyproplene steps confirming to an ASTM D 4104 of size 300 x 150 x 25 mm etc. complete.		60	No.	111.61	6696.60
24		Providing & fixing R.C.C. Precast Manhole Frame with Cover in M:35 as per drawing for Manhole suitable for 450 X 600 mm opening including cost of reinforcement, M.S. Angles, Flats, mould work, curing etc. complete. (SMC UNIT RATE)		20	No.	2569.00	51380.00
25		Providing & fixing M.S. manhole frame and cover of, 0.60 mt. x 0.45 mt. size and approx. 50 kg. weight, with prime coat of red oxide and two coats of oil paint having plate thickness of 12mm., or 0.60 mt. x 0.60 mt. size having plate thickness of 16 mm. etc. complete as directed by the Engineer-in-charge.(SMC UNIT RATE)		2000	Kg.	58.19	116380.00
TOTAL AMOUNT OF PART-C							18,83,656.00
TOTAL AMOUNT OF ESTIMATE (A+B+C)							69,88,695.90

Contractor's Sign

Hydraulic Engineer
Surat Municipal Corporation