

SURAT MUNICIPAL CORPORATION

DRAINAGE DEPARTMENT

SCHEDULE - B

LEAKAGE REPAIRING WORK OF DIFFERENT SIZES OF M.S. PIPE,G.R.P. PIPE AND C.I./D.I. LINES

IN SOUTH WEST (ATHWA) ZONE,SOUTH ZONE-A,SOUTH ZONE-B,EAST ZONE-A AND SOUTH

EAST ZONE AREA, SURAT. (2nd Attempt)

ITEM NO	DESCRIPTION	Rate	UNIT
		Rs. Ps.	
1	Excavation for pipe line trenches for water supply, sewerage line, machine hole etc. all with shoring and struting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified <u>In hard murrum, boulders incl. macadam road.</u> <u>Item No. 1.A, SMC Drainage SOR 2022-23</u>		Cu. mt.
2	Excavation in bituminous road as pee required gradient and line including safety provision using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts as specified Excavation <u>in bituminous road</u> <u>Item No. 1.B, SMC Drainage SOR 2022-23</u>		Cu. mt.
3	Providing <u>cutting of existing bituminous surface</u> up to suitable depth in line and alignment using Mechanically operated cutter machine before excavating existing surface for utility laying including cost of all type of machinery, fuel, labour etc. and as per direction of engineer in charge. Item No. 11, SMC Drainage SOR 2022-23 (M.R.)		R.Mt.
4	Excavation for pipeline trenches for water supply, sewerage line, machine hole etc. all with shoring and strutting if required as per required gradient and line including safety provision using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified. <u>C.C. Road</u> <u>Item No. 1.A.2.d, Page No. 32 GWSSB Drainage</u> <u>SOR 2022-23</u>		Cu. mt.
5	<u>Excavation for pipe line trenches</u> for water supply, sewerage line, machine hole etc. all with shoring and strutting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified. Item No. 02, SMC Drainage SOR 2022-23		
	In all sorts of soil and soft murrum		
	(A) depth 0.00 to 1.50 mt.		Cu. mt.
	(B) depth 1.5 to 3.00 mt.		Cu. mt.
	(C) depth 3.00 to 4.50 mt.		Cu. mt.
	(D) 4.5 Mt. TO 6.00 Mt. Depth		Cu. mt.
	(E) 6.0 Mt TO 7.50 Mt depth		Cu. mt.
	(F) 7.50 Mt TO 9.00 Mt depth		Cu. mt.
	(G) 9.0 Mt TO 10.50 Mt depth		Cu. mt.
6	<u>Refilling of pipeline trenches</u> incl. ramming, watering, consolidating disposal of surplus stuff as directed within a radius of 3 km. Item No. 09, SMC Drainage SOR 2022-23		Cu. mt.
7	<u>Dewatering by pumping set</u> of required capacity including temporary platform carting pumping at site and fixing the same in position including all accessories, and fuel and labour etc. complete. Item No. 06, SMC Drainage SOR 2022-23		HP/Hr
8	<u>Demolition/Dismantling</u> RCC work or masonry work or removing of paver block flooring in any part including stacking of serviceable/useful material and disposal of unserviceable material with all lead and lift. Housing SOR-23-24, Demolition ,Item NO.1,2&Footpath SOR 23-24 Item No.24		
	(a) Brick masonary work/Paver block		Cu. mt.
	(b) RCC work		Cu. mt.
	(c) Unreinforced c.c.		Cu. mt.

9	Work of Temporary diversion of sewage by plugging the machine holes at upstream and downstream of the sewer stretches proposed to be replaced. The rubber plug required for the plugging the drainage line shall be procured by the contractor and the same shall be the property of contractor. SMC Approved Rate		
	150mm-400mm sewer line		Nos.
	450mm-600mm sewer line		Nos.
	700mm-1200mm sewer line		Nos.
10	Providing & Installation of barricades incl. supplying, painting, with fluorescent paint and fixing, CGI sheets 24 SWG of 1.80 m height & M.S. posts angle 40 x 40 x 5 mm at 2.0 m c/c and dismantling the same after completion of work as directed by Engineer - in - Charge. Market Rate		Sq. mt.
11	Providing and casting in situ C.C. in grade M-15 (approx. corresp. to prop. 1:2:4) (proportions as per mix design or as per Table 9 of IS456 2000 in masses by weigh batching) using granite, quartzite trap metal of size 6 mm to 20 mm for RCC work, including scaffolding centering, form work, needle vibrated consolidation, curing comp. up to 6 meter depth or height (excluding cost of reinforcement and neat finishing) with centering and shuttering/deshuttering etc. comp. for the thrust block inclg. cost of form work. (Page no.46 R&B SOR 2023-24 Page No.46, CH-5,Iteam Code 05011AA No.5.4.1)		Cu. mt.
12	Welding joint for Leakage repairing work of M.S. pipe line with providing necessary tools, tackles, like welding machine, D.G. Sets, cutting machine, etc. including any cutting, manhole, Removing of inner and outer coating, Applying of Inner and Outer Coating of Food grade epoxy paint, light-focus arrangements and procuring power supply for carrying out the work. Contractor shall have to weld stiffness plates as per site situation and as directed by the Engineer-in-charge. Welding in all positions with 3 nos. runs should be done. (Unit Rate Sanction In Standing Committee Resolution No. 2159/2025, Dt 20/11/2025)		
	(A) Welding joint For Top/Side Top of pipe		centimeter
	(B) Welding joint For Bottom/Side Bottom of pipe		centimeter
	(C) Cutting-Welding joint For Manhole Avg 550mm		Nos.
13	Job work for connection of Existing /adjoining M.S. line etc.with providing necessary tools, tackles, like welding machine, D.G. Sets, cutting machine, etc. including any cutting, manhole, Removing of inner and outer coating, Applying of Inner and Outer Coating of Food grade epoxy paint, light-focus arrangements and procuring power supply for carrying out the work. Contractor shall have to weld stiffness plates as per site situation and as directed by the Engineer-in-charge. Welding in all positions with 3 nos. runs should be done. (Unit Rate Sanction In Standing Committee Resolution No. 2159/2025, Dt 20/11/2025)		
	(A) For 500mm-813mm		Nos
	(B) For > 813 mm- 1219 mm		Nos
	(C) For > 1219 mm		Nos
14	Providing, manufacturing, supplying and Fixing at site the M.S. special in the required sizes suitable for field welding at site. The size and dimensions shall be conforming 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. (Unit Rate Sanction In Standing Committee Resolution No. 2159/2025, Dt 20/11/2025)		
	(A) M.S. Specials Plain & Socket ends		Kg.
	(B)M.S. Specials Flanged ends		Kg.
15	Providing & Fixing Nut-bolts & washers as per site situation (MR)		Kg.
16	Providing & Fixing rubber gasket (MR)		Nos

17	Providing, Supplying, Lowering, Laying, Repairing to Line, Level and Slope, GRP Pipes confirming to relevant IS and Jointing with specials such as Tees, Bends, Reducers, Valves including and other safety provision, cutting the pipes and making joints.		
	Pipes with specials of following dia. In proper position, grade and alingment as directed by Engineer in charge incl. Conveyance from stores to site of work, labour etc. comp. (Unit Rate Sanction In Stending Committee Resoluation No. 78/2025, Dt.26/05/2025)		
	Up to 600mm Dia		Job
	From 700mm to 1000mm Dia		Job
	From 1100mm to 1800mm Dia		Job
18	Cart/Transport the same of M. S. Pipes from Surat Municipal Corporation's store Or any other stacking yard located in Corporation boundary from any site to required place as per requirement and directed by engineer in charge.. vice versa. (MR)		no
19	Conveying, lowering, laying and jointing / making connection with Existing line/ Repairing of the following diameter including placing TEE , Collar etc. including cutting the existing line & necessary dewatering. Pipes with specials of following dia. In proper position, grade and alingment as directed by Engineer in charge incl. Conveyance from stores to site of work, labour etc. comp. (Unit Rate Sanction In Stending Committee Resoluation No. 233/2025, Dt 25/11/2025)		
	Up To 500mm Dia C.I. / D.I. Pipeline		No
	600mm to 700mm Dia C.I. / D.I. Pipeline		No
	800mm to 1000mm Dia C.I. / D.I. Pipeline		No
20	Cutting the C.I./D.I. Pipe in pieces as necessary for fitting the special like Tee, bend etc. complete. <u>Section 1&2 B, Item No. 18.A., Page No. 42 GWSSB SOR 2022-23</u>		
	(a) Pipe thickness up to 10mm.		10 cms.
	(b) Pipe thickness 11mm to 20 mm		10 cms.
	(c) Pipe thickness 21 mm to 30 mm		10 cms.
21	Conveying, lowering, laying and jointing C.I./D.I. Pipes with specials of following dia. In proper position, grade and alingment as directed by Engineer in charge incl. Conveyance from stores to site of work, labour etc. comp. (Unit Rate Sanction In Stending Committee Resoluation No. 976/2024, Dt 27/06/2024)		
	(a) 100 mm dia		R.M.
	(b) 150 mm dia		R.M.
	(c) 200 mm dia		R.M.
	(d) 250 mm dia		R.M.
	(e) 300 mm dia		R.M.
	(f) 350 mm dia		R.M.
	(g) 400 mm dia		R.M.
	(h) 450 mm dia		R.M.
	(i) 500 mm dia		R.M.
	(j) 600 mm dia		R.M.
	(k) 700 mm dia		R.M.
	(L) 750 mm dia		R.M.
	(M) 800 mm dia (Gwssb Sor 2022-23, PG No.36, Iteam No.6)		R.M.
	(N) 900 mm dia (Gwssb Sor 2022-23, PG No.36, Iteam No.6)		R.M.
	(O) 1000 mm dia (Gwssb Sor 2022-23, PG No.36, Iteam No.6)		R.M.
	(P) 1100 mm dia (Gwssb Sor 2022-23, PG No.36, Iteam No.6)		R.M.
	(Q) 1200 mm dia (Gwssb Sor 2022-23, PG No.36, Iteam No.6)		R.M.

22	Conveying, lowering and fixing <u>Sluice valve/Butter fly</u> valve/Scour valve including making flange joints, tightening the nut and bolts perfectly water tight it by using rubber insulation etc complete as directed by the engineer in charge. <u>(Unit Rate Sanction In Stending Committee Resolution No. 976/2024, Dt 27/06/2024)</u>		
	(a) 100 mm Dia.		NO
	(b) 150 mm Dia.		NO
	(c) 200 mm Dia.		NO
	(d) 250 mm Dia.		NO
	(e) 300 mm Dia.		NO
	(f) 350 mm Dia.		NO
	(g) 400 mm Dia.		NO
	(h) 450 mm Dia.		NO
	(i) 500 mm Dia.		NO
	(j) 600 mm Dia.		NO
	(k) 700 mm Dia.		NO
	(l) 750 mm Dia.		NO
	(M) 800 mm Dia. (Gwssb Sor 2022-23, PG No.41,42 iteam No.15A)		NO
	(N) 900 mm Dia. (Gwssb Sor 2022-23, PG No.41,42 iteam No.15A)		NO
	(O) 1000 mm Dia. (Gwssb Sor 2022-23, PG No.41,42 iteam No.15A)		NO
23	Conveying, lowering and fixing Kinetic type air valve including making flange joints, tightening the nut and bolts perfectly water tight it by using rubber insulation etc complete as directed by the engineer in charge. (Unit Rate Sanction In Stending Committee Resolution No. 976/2024, Dt 27/06/2024)		
	(a) 50 mm Dia.		NO
	(b) 80 mm Dia.		NO
	(c) 100 mm Dia.		NO
	(d) 150 mm Dia.		NO
	(e) 200 mm Dia.		NO
24	Making lead joint perfectly water tight. etc. complete. Lead and spun yarn shall be issued free of cost. <u>(Unit Rate Sanction In Stending Committee Resolution No. 976/2024, Dt 27/06/2024)</u>		
	(a) 100 mm Dia.		NO
	(b) 150 mm Dia.		NO
	(c) 200 mm Dia.		NO
	(d) 250 mm Dia.		NO
	(e) 300 mm Dia.		NO
	(f) 350 mm Dia.		NO
	(g) 400 mm Dia.		NO
	(h) 450 mm Dia.		NO
	(i) 500 mm Dia.		NO
	(j) 600 mm Dia.		NO
	(k) 700 mm Dia.		NO
	(l) 750 mm Dia.		NO
	(m) 900 mm Dia.		NO

25	Making Tyton Rubber Gasket with specials of D.I. Fittings. (Unit Rate Sanction In Stending Committee Resoluation No. 976/2024, Dt 27/06/2024)		
	(a) 100 mm Dia.		NO
	(b) 150 mm Dia.		NO
	(c) 200 mm Dia.		NO
	(d) 250 mm Dia.		NO
	(e) 300 mm Dia.		NO
	(f) 350 mm Dia.		NO
	(g) 400 mm Dia.		NO
	(h) 450 mm Dia.		NO
	(i) 500 mm Dia.		NO
	(j) 600 mm Dia.		NO
	(k) 700 mm Dia.		NO
	(l) 750 mm Dia.		NO
26	Chamfering D.I. Pipes as necessary for fitting the specials like Tee, Bend etc. complete (Unit Rate Sanction In Stending Committee Resoluation No. 976/2024, Dt 27/06/2024)		
	(a) 100 mm Dia.		NO
	(b) 150 mm Dia.		NO
	(c) 200 mm Dia.		NO
	(d) 250 mm Dia.		NO
	(e) 300 mm Dia.		NO
	(f) 350 mm Dia.		NO
	(g) 400 mm Dia.		NO
	(h) 450 mm Dia.		NO
	(i) 500 mm Dia.		NO
	(j) 600 mm Dia.		NO
	(k) 700 mm Dia.		NO
	(l) 750 mm Dia.		NO
27	Providing and making connection with Existing line of the following diameter including placing TEE and Collar including cutting the existing line & necessary dewatering.All the arrangement for dewatering (i.e Dewatering pump etc.)shall be provided by the Contractor on site at his own cost. (Unit Rate Sanction In Stending Committee Resoluation No. 976/2024, Dt 27/06/2024)		
	(A) 750 mm dia		NO
	(B) 700 mm dia		NO
	(C) 600 mm dia		NO
	(D) 500 mm dia		NO
	(E) 450 mm dia		NO
	(F) 400 mm dia		NO
	(G) 350 mm dia		NO
	(H) 300 mm dia		NO
	(I) 250 mm dia		NO
	(J) 200 mm dia		NO
	(K) 150 mm dia		NO
	(L) 100 mm dia		NO

Executive Engineer
Drainage Department
Surat Municipal Corporation