

VASAI-VIRAR CITY MUNICIPAL CORPORATION

'G' - ward

Name of Work :- Lowering, laying & jointing 200 mm and 150 mm dia. C.I. pipe line for Feeder main from Juchandra Pazar Talao G.S.R. to sump at Juchandra office.

SCHEDULE " B "

Qty	Description of Item	Rate in Rs.		Unit	Amount
		In Figures	In Words		
500.00	1. Excavation for foundation / pipe trenches by all means in hard murum including removing the excavation material upto a distance of 50 m & lift as below, stacking & spreading as directed by Engineer-in-charge normal dewatering preparing the for foundation & excluding back filling etc. complete. Lift 0 to 1.5 M	182.60	One Hundred Eighty Two & Sixty Paise Only.	Cum	91,300.00
300.00	2. Excavation for foundation / pipe trenches in hard murum and boulders, W.B.M. road including removing the excavated material upto a distance of 50M beyond the area and lifts as below, stacking as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc complete. Lift 0 to 1.5 M	205.70	Two Hundred Five & Fifty Paise Only.	Cum	61,710.00
200.00	3. Excavation for foundation / pipe trenches in soft rock and old cement and lime masonry foundation asphalt road including removing the excavated material upto a distance of 50M beyond the area and lifts as below, stacking as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc complete. Lift 0 to 1.5 M	520.30	Five Hundred Twenty & Thirty Paise Only..	Cum	104,060.00
1160.00	4. Excavation for foundation/pipe trenches in slush Muddy/ Marshy/ Slurry/ Soil including use of poclaim, labour for dewatering during execution including removing the excavated material upto a distance of 50 m and lifts as below, stacking and spreading, as directed, preparing the bed by cleaning the mud, labour required for execution for shuttering item but excluding backfilling etc. complete. Provding and fixing shuttering shall be paid separately.	346.50	Three Hundred Fourty Six & Fifty Paise Only..	Cum	401,940.00
2900.00	5. Open timbering in trenches of depth more than 1.5 m for shoring and strutting use of & waste of all necessary timber works including walling, struts open polling boards/horizontal sheeting, runners, etc. as may be necessary and fixing & removal complete. (Measurements to be taken of the face/area timbered).	277.20	Two Hundred Seventy Seven & Twenty Paise Only..	Sq.m.	803,880.00
150.00	6. Filling in plinth & floor murum bedding in trenches with approved murum from excavated materials from foundation in 15 cm to 20 cm layers including watering & compaction etc. complete.	70.40	Seventy & Forty Paise Only.	Cum	10,560.00

CONTRACTOR

NO. OF CORRECTIONS

CITY ENGINEER

Qty	Description of Item	Rate in Rs.		Unit	Amount
		In Figures	In Words		
1,250.00	7. Lowering, laying & jointing with SBR rubber gaskets C.I. S/S pipes of various classes with CI/MS specials of following diameter in proper position, grade & alignment as directed by Engineer in charge including expenses from store to site of work including cost of jointing 1). 200 mm dia.	111.10	One Hundred Eleven & Ten Paise Only.	Rmt.	138,875.00

1,450.00	2). 150 mm dia.	84.70	Eighty Four & Seventy Paise Only.	Rmt.	122,815.00
	8. Cutting and champhering of pipes of following diameters including cost of materials and labour involved, etc. complete as directed by Engineer-in-charge (For all class of pipes). C.I. Pipe				
20.00	1). 200 mm dia.	92.40	Ninety Two & Forty Paise Only.	No	1,848.00
20.00	2). 150 mm dia.	71.50	Seventy One & Fifty Paise Only.	No	1,430.00
	9. Providing double flange sluice valve conforming for IS - 2906 / 14846 including worn gear arrangements as per test pressure stainless steel spindle, caps including all taxes transportation etc. complete.				
1.00	1). 200 mm dia.	21,881.00	Twenty One Thousand Eight Hundred Eighty One Only.	No	21,881.00
1.00	2). 150 mm dia.	11,239.00	Eleven Thousand Two Hundred Thirty Nine Only.	No	11,239.00
	10. Lowering, laying & jointing in position following CI D/F reflux valves, butterfly valves & sluice valves including cost of all labour, jointing material, including nut bolts & giving satisfactory hydraulic testing etc. complete. (Rate for all class of valves.)				
1.00	1). 200 mm dia.	3,659.70	Three Thousand Six Hundred Fifty Nine & Seventy Paise Only.	No	3,659.70
1.00	2). 150 mm dia.	3,517.80	Three Thousand Five Hundred Seventeen & Eighty Paise Only.	No	3,517.80
	11. Supply of mechanical Compression Flanged / Socket Tailpiece (Popularly known as 1 TH Flanged / Socket Tailpiece) suitable for making flanged connection with the plain barrel of C.I. Spun pieces (as per -IS-1536/2001) and D.I. pipes (as per -IS-8329/2000). The Tailpiece to be supplied complete with sealing rubber gasket of SBR, C.I. follower Glands and M.S. Nut Bolts. The whole assembly should be mechanically and hydraulically tested to the provisions as laid down in : 1538/1993.				
2.00	1). 200 mm dia	3,215.00	Three Thousand Two Hundred Fifteen Only.	No	6,430.00
2.00	2). 150 mm dia.	2,481.00	Three Thousand Five Hundred Seventeen & Eighty Paise Only.	No	4,962.00

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Qty	Description of Item	Rate in Rs.		Unit	Amount
		In Figures	In Words		
	12. Supply of C.I. Mechanical joint collars Coupling (Popularly known as Jiffy TM Collar Coupling) suitable for CI. spun pipes (as per -IS-1536/2001) and D.I. pipes (as per -IS-8329/2000) complete with sealing rubber gasket of SBR, C.I. follower Glands and M.S. Nut Bolts. The whole assembly should be mechanically and hydraulically tested to the provisions as laid down in : 1538/1993.				
20.00	1). 200 mm dia.	1,677.00	One Thousand Six Hundred Seventy Seven Only.	No	33,540.00
18.00	2). 150 mm dia.	1,469.00	One Thousand Four Hundred Sixty Nine Only.	No	26,442.00

6.00	13. Providing and supplying Kinetic Double Orifice type Air Valves as per MJP's standard specifications combined with screw down isolating valve, small orifice elastic ball seating on a gun metal orifice nipple, large orifice vulcanite ball seating on moulded. a).Kinetic Air Valves Flanged (Type-PN-1) 80 mm. dia. 1). 80 mm dia.	11,321.00	Eleven Thousand Three Hundred Twenty One Only.	No	67,926.00
6.00	14. Lowering, laying and fixing in proper alignment and position all types of C.I. Air valves as directed by Engineer-in-charge including cost of conveyance from stores to site of work, cost of all material and giving satisfactory hydraulic testing, etc. comp 1). 80 mm dia.	451.00	Four Hundred Fifty One Only.	No	2,706.00
1,662.73	15. Providing and supplying ISI standard MS specials of required thickness with 3 coats of approved make epoxy paint (shalimar, ciba or mahindra & mahindra make) from inside and outside including all taxes (Central & Local), octroi, inspection charges, transportation to stores / site and stacking etc. complete.	74.15	Seventy Four & Fifteen Paise Only.	K.g.	123,291.43
49.00	16. Transporting within 500 meters, laying in position to correct line & level M.S. Specials pipes with/ without any outcoating, such as distance pieces, strap, bends, tapers etc. on prepared bedding in trenches including marginal cutting wherever required, assembling tack welding the same. The rate to include loading, unloading, hoisting etc. complete as specified.	482.90	Four Hundred Eighty Two & Ninety Paise Only.	Rmt	23,662.10
15.00	17. Welding in all position with required number of runs, for M.S. pipes internally and / or externally including gauging wherever necessary, fixing appurtenances and other accessories in connection with pipe laying work as per specification.	775.50	Seven Hundred Seventy Five & Fifty Paise Only.	Rmt	11,632.50

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CITY ENGINEER

Qty	Description of Item	Rate in Rs.		Unit	Amount
		In Figures	In Words		
2.00	18. Supply of mechanical Joints Double Socket 90° (¼) Bends as described in Table-11 of IS- 13382/1992 complete with sealing rubber gasket of S.B.R. (dimensionally described in IS-12820) complete with cast iron follower gland and mild steel nut bolts coated or other protcted from rusting and suitable for C.I. pipes. 1). 200 mm dia.	6,124.00	Six Thousand One Hundred Twenty Four Only.	No	12,248.00
3.00	2). 150 mm dia.	4,615.00	Four Thousand Six Hundred Fifteen Only.	No	13,845.00
8.00	19. Supply of mechanical Joints Double Socket 45° (1/8) Bends as described in Table-15 of IS- 13382/1992 complete with sealing rubber gasket of S.B.R. (dimensionally 1). 200 mm dia.	5,120.00	Five Thousand One Hundred Twenty Only.	No	40,960.00
5.00	2). 150 mm dia.	3,887.00	Three Thousand Eight Hundred Eighty Seven Only.	No	19,435.00
	20. Supply of mechanical Joints Double Socket 45° (1/8) Bends as described in Table-15 of IS- 13382/1992 complete with sealing rubber gasket of S.B.R. (dimensionally				

10.00	1). 200 mm dia.	4,576.00	Four Thousand Five Hundred Seventy Six Only.	No	45,760.00
8.00	2). 150 mm dia.	3,649.00	Three Thousand Six Hundred Fourty Nine Only.	No	29,192.00
	21. Supply of mechanical Joints Double Socket Reducers as described in Table-11 of IS-13382/1992 complete with sealing rubber gasket of S.B.R. (dimensionally described in IS-12820) complete with cast iron follower gland and mild steel nut bolts coated or other protcted from rusting and suitable for C.I. pipes.				
1.00	1). 200 x150 mm dia.	4,261.00	Four Thousand Two Hundred Sixty One Only.	No	4,261.00
1,800.00	22. Dewatering the excavated trenches and pools of water in the building trenches / pipeline trenches, well works by using pumps & other devices including disposing off water to safe distance as directed by Engineer-in-charge (including cost of machinery, labour, fuel,B371), etc. complete.	68.20	Sixty Eight & Twenty Paise Only.	Bhp/hr.	122,760.00

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Qty	Description of Item	Rate in Rs.		Unit	Amount
		In Figures	In Words		
266.80	23. Providing dry trap / granite / quartzite / gneiss, rubble stone soling in 15 cm to 20 cm thick layers including hand packing and compacting etc. complete.	1,115.40	One Thousand One Hundred Fifteen & Fourty Paise Only.	Cum.	297,588.72
116.00	24. Providing and laying in situ, following grades of C.C. of trap / granite / quartzite / gneiss metal for foundation and bedding including dewatering, form work, compacting and curing, finishing, etc. complete. M-15.	4,902.70	Four Thousand Nine Hundred Two & Seventy Paise Only.	Cum.	568,713.20
313.85	25. Providing & laying in-situ cement concrete of trap / granite / quartzite / gneiss metal for RCC work in foundation like raft, grillage, strip, foundation and footing of RCC columns & steel stanchions including normal dewatering form work, complete. (By weight batching & mix design for M - 250 & M- 300 only. Use of L / T, ACC, Ambuja, Birla gold, Manikgad, etc. cement is permitted . Excluding MS or Tor reinforcement.).	6,021.40	Six Thousand Twenty One & Fourty Paise Only.	Cum.	1,889,816.39
12.319	26. Providing and fixing in position steel bar reinforcement of various diameters for RCC pipes, caps, footings, foundation, slabs, beams, columns, canopies, staircases. newels, chajjas, lintels, pardies, copings, fins, arches, etc. as per detailed designs, drawings and schedules; including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required, etc. complete. (including cost of binding wire) Tor Steel	56,923.90	Fifty Six Thousand Nine Hundred Twenty Three & Ninety Paise Only.	M.T.	701,245.52
6.000	27. Providing and fixing in position M.S. Air valve boxes fabricated with 2mm thick M.S. plate 30 x 30 x 3mm size M.S. Angle frame concreting in M-150 of or fixing the box in position, applying two coats of oil paint, painting chainage, locking arrangement etc. complete as directed by Engineer-in-charge	3,264.80	Three Thousand Two Hundred Sixty Four & Eighty Paise Only.	No.	19,588.80
1,247.80	28. Refilling the trenches with available excavated stuff with soft material first over pipe line & then hard material in 15 cm layers with all leads & lifts including consolidation, surcharging, etc. complete.	70.40	Seventy & Forty Paise Only.	Cum	87,845.12
912.20	29. Removing the excavated material of all catageries & Disposing of same as directed including, loading, unloading, conveying , stacking or spreing beyond the initial lead 1.50 kms. As directed etc. complete.	219.16	One Hundred Ninety Nine & Seventy Four Paise Only.	Cum	199,917.75
				Total Rs.	6,132,484.03

	Say Amount = 6,132,484.00
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I am ready to execute the above mentioned work at% Below/Above (in words)..... the estimated cost.

DATED SIGNATURE OF CONTRACTOR

CITY ENGINEER