



RAJKOT MUNICIPAL CORPORATION

RAJKOT

स्वच्छ सर्वेक्षण
लीग 2020

: Name of Work :

Providing, supplying, lowering, laying, jointing, testing and commissioning of various dia. distribution and service DI pipeline network for various Rainnagar area under water supply augmentation scheme for ward No.3 (Part)

e-TENDER No. RMC/WW/CZ/19-20

:: Milestone dates of e-Tendering ::

1	Downloading of e-TENDER documents	16/08.2019
2.	Pre-bid Meeting	22/08/2018 at 17.00 Hours in the Office of the Addl. City Engineer at Central Zone.
3.	Online submission of e-TENDER	31/08/2019 upto 18.00 Hours
4.	Physical submission of EMD, Tender fee, Documents required for pre-qualification and other necessary documents only by Speed Post or Registered Post or Courier or Hand Delivery within 2 days of online submission.	01/09/2019 upto 18.00 Hours
5.	Opening of online Primary Bid (Technical bid)	01/09/2019 at 18.00 Hours
6.	Verification of submitted documents (EMD, Tender fee, Documents required for pre-qualification and other necessary documents.)	03/09/2019 at 11.00 Hours
7.	Agency to remain present along with original documents for verification	03/09/2019 Between 16.00 to 17.00 Hours
8.	Opening of online Commercial Bid (Price Bid) for Technically qualified bidders only (if possible)	04/09/2019 at 18.00 Hours
9.	Bid Validity	One Eighty (180) calendar days

VOLUME – III (PRICE BID)

**:Authority :
Additional City Engineer
Water Works Department, Central Zone,
Rajkot Municipal Corporation
Dr. Ambedkar Bhavan
Dhebar Road
Rajkot – 360001**

RAJKOT MUNICIPAL CORPORATION

Providing, supplying, lowering, laying, jointing, testing and commissioning of various dia. distribution and service DI pipeline network for various Railnagar area under water supply augmentation scheme for ward No.3 (Part)

VOLUME – III (PRICE BID)

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BID FORM(WITH PRICE)

Bidders are required to fill up all blank spaces in this Bid Form

The Commissioner
Rajkot Municipal Corporation
Dr. Ambedkar Bhavan,
Dhebar Road, Rajkot

Dear Sir,

SUB : Providing, supplying, lowering, laying, jointing, testing and commissioning of various dia. distribution and service DI pipeline network for various Railnagar area under water supply augmentation scheme for ward No.3 (Part)

Having visited the site and examined the Bid Documents, Drawings, Conditions of Contract, Specifications, Schedules, Annexures, Preamble to Price Schedules, Price Schedules etc. including Addenda/Amendments to the above, for the execution of the above Contract, we the undersigned offer to carry out for Providing, supplying, lowering, laying, jointing, testing and commissioning of various dia. distribution and service DI pipeline network for various Railnagar area under water supply augmentation scheme for ward No.3 (Part) as detailed below. as given in Conditions of Contract and in conformity with the Drawings, Conditions of Contract, Specifications, Preamble to Price Schedules, Price Schedules, Annexures, Bidding Documents, including Addenda Nos. _____(insert numbers) _____%age (in figure) _____(in word) below/above than the rates given in Price Schedule.

2. I / We agree that
 - (a) if we fail to provide required facilities to the Employer's representative or any other person/agency by the employer to perform on his behalf for carrying out the inspection and testing of materials and workmanship
or
 - (b) if we incorporate into the Works, materials before they are tested and approved by the Engineer's representative
or
 - (c) if we fail to deliver raw water of required quantity according to the conditions/stipulations of the Contract, the Engineer will be at liberty to take any action including termination of Contract and impose at his absolute discretion any penalties, and/or reject the work.
3. We undertake, if our Bid is accepted, to complete and deliver the Works in accordance with the Contract as prescribed in tender document, from the date of Work Order issued to us by you.
4. We agree to abide by this Bid for a period of **180 days** from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiry of that period.

5. In the event of our Bid being accepted, we agree to enter into a formal Contract Agreement with you incorporating the conditions of Contract thereto annexed but until such agreement is prepared this Bid together with your written acceptance thereof shall constitute a binding Contract between us.
6. We agree, if our Bid is accepted, to furnish Performance Bond/Security in the forms and of value specified in the Conditions of Contract of a sum equivalent to 5% of the Contract price for due performance of the Contract.
7. We have independently considered the amounts of liquidated damages shown in Appendix to Bid and agree that they represent a fair estimate of the damages likely to be suffered by you in the event of the Work not being completed by us in time.
8. We understand that you are not bound to accept the lowest or any Bid you may receive.

Date this _____ day of _____ 2019.

(Signature)

(Name of the person)

(In the capacity of)

Company Seal

(Name of firm)

Duly authorized to sign Bid for and on behalf of
(Fill in block capitals)

Witness

Signature _____
Name _____
Address _____

BILL OF QUANTITIES AND PRICE

The Bill of quantities consists of following sections :

CIVIL WORKS :

Civil works requires for following.

- Excavation of Trenches
- Providing, supplying, lowering, laying, jointing, testing and commissioning of various dia. distribution & street service DI pipeline with DI Specials network as per the detailed specifications shown in Vol-II.
- Bedding for pipes with selected murrum
- Support of piping system, Thrust blocks of RCC in various concrete etc.
- Refilling the pipeline trenches with proper ramming
- All required necessary items as directed by engineer in charge.

The bill of quantities forms the most important part of the e-tender documents. The supply, lowering laying jointing, erection testing and commissioning of pipeline which form a part of total works are indicated in the schedules separated include in the documents. The e-tendering contractors shall price of this document.

Performance testing and commissioning.

The bill of quantities, general conditions of contractor and the specifications which from an integral part of this contractor shall be read in conjugation.

The bill of quantities, general conditions of contractor and the specifications which from an integral part of this contractor shall be read in conjugation.

Payment for different items shall be paid on % (percentage) above or below quoted by the contractor online in the given price bid. However for any extra items to be carried out with permission of engineer in charge rates will be decided by the Rajkot Municipal Corporation as per **GC-70** wherever not specified in the tender.

Whenever manufacturer is separate and contractor for lowering, laying, joining and testing is separate, the principal contractor shall enter in to an agreement with DI pipes & DI Specials manufacturer for satisfactory manufacturing as per the relevant code of practice, testing, transporting, stacking & testing after laying at site as per RMC requirement.

Note on Schedule

The e-Tender is invited on percentage rate basis for Work of Providing, supplying, lowering, laying, jointing, testing and commissioning of various dia. distribution and service DI pipeline network for various Railnagar area under water supply augmentation scheme for ward No.3 (Part)

1. The rates and prices shall be submitted in the formats given in the online Price Schedules. Rates and prices received in any other formats will be rejected and the e-Tenders will be disqualified.
2. It will be entirely at the discretion of the Employer to accept or reject the bidder's proposal, without giving any reasons whatsoever.
3. In Price Schedule, Tenderer shall quote his % (percentage) above or below for items listed in the schedule. Prices quoted in Schedule only will be considered for price evaluation & shall form a part of the Contract Agreement.
4. Only Price Schedule will be considered for financial evaluation of the e-Tender with the successful bidder.
5. The Tenderer shall be deemed to have allowed in his price for provision, maintenance and final removal of all temporary works of whatsoever nature required for construction including temporary bunds, diverting water, pumping, dewatering etc. for the proper execution of works. The rates shall also be deemed to include any works and setting out that may be required to be carried out for laying out of all the works involved.
6. Where there is a discrepancy between the unit rates and the amount entered, in the price schedule the latter shall govern.
7. The Price Schedules are to be read in conjunction with the Conditions of Contract, the Specifications and other sections of these e-Tender documents and these documents are to be taken as mutually explanatory of one another.
8. Prices quoted by the Tenderer shall be firm for the entire period of Contract without any escalation.
9. The Tenderer shall interpret the data furnished and carry out any additional survey work, or investigation work required at his own cost.
10. The prices quoted shall also include the cost of materials utilized for testing.
11. The Tenderer should acquaint himself with the site conditions including the access to Worksite. The successful Tenderer shall have to make suitable access to worksites at his own cost. These accesses will be used by the other contractors working for RMC.
12. From each Running Account Bill, labour cess will be deducted as per norms.
13. The quoted rates should be inclusive of CGST, SGST and all taxes and duties as may be prevailing time to time.

14. The prices shall have to be quoted firm & fix including all the taxes & duties. RMC will not consider any statutory variation as well as the price rise in the market if any, those shall be on account of contractor.
15. The work contract tax is to be borne by the agency.
16. Deleted
17. The field hydraulic test of the completed work for pipeline shall be as per relevant I.S.
18. The various items mentioned in the scope of work is liable to increase or decrease up to any extent. Under the circumstances, the contractor shall have to carry out the work accordingly without any rate escalation. Rajkot Municipal Corporation will not entertain any dispute in this regard.
19. The rates are inclusive of dewatering, if required.
20. In case of any ambiguity found in specifications / drawings etc, the decision of engineer-in-charge shall be final and binding to the contractor.
21. In case any Specifications not given in e-tender document, the work shall be carried out and completed conforming to relevant/latest I.S. edition or as per the instructions of Executive Engineer/ Engineer in charge.
22. **The contractor shall have to quote their rates including GST and other taxes and the Invoice with break-up of GST is to be submitted accordingly, failing which, such amount will be deducted from the bill of the agency and deposited accordingly.**

The contractor shall have to purchase the material required for this tender work, only from the supplier having registered GST Number. RMC will not be responsible to pay any amount towards GST if the material is purchased from the unregistered supplier / not having GST Number.
23. Engineering Store of Rajkot Municipal Corporation will accept the un-utilized D I Pipes 100% whereas the fittings / specials upto **10%** of the quantity actually as may be confirmed at the time of work order.
24. **Scope of Testing period:** During the testing period, agency will have to look after the maintenance and rectification of fault, if any. No extra payment will be made by RMC for this purpose.
25. Only for existing house connection, if additional pipe is to be provided over and above the 5 mt. for 15 mm connection then additional payment is to be made Acceptable (Rate of only 15 mm dia pipeline as per the rates of SOR of RMC).
26. e-Tender price:
The tender price (Pipe/specials Supply as shown in above scope of work and as per the detailed specifications + Labor work for laying jointing, testing & commissioning) shall include all materials, labor, tools and tackles, plant and machinery etc. necessary for the

proper manufacture of pipes and specials and for tests at the contractor's works, for insurance and for delivery to RMC's store or site of works indicated in the project area according to dispatch schedule and for laying and testing on site etc.

The rates quoted by the contractor online in the given price bid (Pipe /specials Supply + + Labor work for laying jointing, testing & commissioning) shall cover everything necessary for the due and complete execution of the work according to the drawings and other conditions and stipulations of the contract including specifications or the evident intent and meaning of all or either of them or according to customary usage and for periodical and final inspection and test and proof of the work in every respect and for measuring, numbering or weighing the same, including setting out and laying or fixing in positions and the provision of all materials, power, tools, rammers, labour, tackle, platforms with proper lapped joints for scaffolding, ranging rods, straight edges, centering and boxing, wedges, moulds, templates, posts, straight rails, boning-staves, strutting, barriers, fencing, lighting, pumping apparatus, temporary arrangement for passage of traffic, access to premises and continuance of drainage, water supply and lighting (if interrupted by contractor's work), temporary sheds, painting, varnishing, polishing, establishments for efficient supervision and watching arrangements for the efficient supervisions of life and property and all requisite plant and machinery of every kind except only such matter and things as it may be distinctly stated herein which are to be supplied to the contractor free. A rate for any one description of work is to be held to include such items of other classes of works as are obviously necessary for its due completion and for these no separate/specific charges will be admitted. The contractor shall keep every portion of the work clear of accumulation from time to time and shall leave every portion of the work clean, clear and perfect, at the conclusion of whole work at their own cost.

27. FDR or Bank Guarantee will not be acceptable towards Tender fee and Earnest Money Deposit.
28. The successful agency shall have to engage TPI agency for pipe material inspection and testing at factory only. The TPI agency shall be from approved list of G.W.S. & S. Board or as decided by the competent authority. All necessary charges of TPI agency is to be borne by the contractor.

Asst. Engineer
Rajkot Muni. Corporation

Dy. Executive Engineer
Rajkot Muni. Corporation

Additional City Engineer
Rajkot Muni. Corporation

Signature of Contractor

PAYMENT-SCHEDULE

BREAK UP FOR INTERIM PAYMENTS

Sr. No	Description of Items	Percentage Payment to be released
1	Pipe line work	
1.1	On receipt of materials at project site	70 % of Quoted rate (As per Volume-II Mode of Payment) (Maximum 25% of unlaidd length.)
1.2	On Lowering, laying and Jointing	15 % of Quoted rate
1.3	On refilling and disposal of surplus stuff	5 % of Quoted rate
1.4	On Hydraulic testing	5 % of Quoted rate
1.5	After commissioning	5 % of Quoted rate

SCHEDULE – A

Schedule showing a material to be supplied from Rajkot Municipal Corporation stores at free of cost for use in work contracted and to be executed.

Name of Work :

Providing, supplying, lowering, laying, jointing, testing and commissioning of various dia. distribution and service DI pipeline network for various Railnagar area under water supply augmentation scheme for ward No.3 (Part)

Sr. No.	Particulars	Qty.	Rate at which material will be charged to the contractor	Total amount
-	NIL	-	-	-
Note No.1	The Contractor shall have to make his own arrangement for procuring the cement required for the work from open market. Cement shall be ordinary Portland cement confirming to IS 269. or IS 8112 Grade 43/53 of repute make only. No mini-plant cement shall be allowed.			
Note No.2	The person or firm submitting the tender should see that the rates in the above schedule are filled up by the Engineer-in-charge for the issue of the firm prior to submission of the tender.			
Note No.3	Material not included in “SCHEDULE – A” but required for the work shall be provided by the contractor and cost of such material shall be included in the respective tendered items by the contractor.			

Asst. Engineer
Rajkot Muni. Corporation

Dy. Executive Engineer
Rajkot Muni. Corporation

Additional City Engineer
Rajkot Muni. Corporation

Signature of Contractor

Rajkot Municipal Corporation

NAME OF WORK:

Providing, supplying, lowering, laying, jointing, testing and commissioning of various dia. distribution and service DI pipeline network for various Railnagar area under water supply augmentation scheme for ward No.3 (Part)

SCHEDULE-B

Sr. No	Quantity	Item	Rate	Per	Amount
1		Manufacture, Supply and Delivery Ductile Iron K-7 grade pipes for following nominal bore diameter with internal cement mortar lining including all taxes, insurance, transportation, freight charges, inspection charges, loading, unloading, transportation to sites of work etc complete(IS : 8329 : 2000			
	6000.00	100mm dia K-7 class DI pipes	908.00	Rmt	5448000.00
2A		Manufacture, Supply & delivery of Ductile Iron Flange Socket Spigot Bends, Tees, reducer or any other specials as per BSEN-545/1995 Class-A series K-12 suitable for use with. Pipe manufactured as per IS:8329/2000 delivery of Specials is to be made to site of work including all taxes, loading, unloading, carting, stacking, insurance, inspection charges, octroi etc, complete.			
	8500.00	100 mm-300 mm dia socket & spigot type	106.00	kg	901000.00
2B	9000.00	100 mm- 300 mm dia Flanged type	138.00	kg	1242000.00
3		Lowering, laying and jointing D. I. K-7 Pipes of various classes with DI/ CI / MS specials of following diameters in proper position, grade and alignment as directed by Engineer-in-charge including transportation to site of work, labour, giving hydraulic testing as per IS code etc complete.			
		Spigot-Socket Joint			
	6000.00	100 mm dia D.I./K-7 Pipes & fittings	62.10	Rmt	372600.00
4A		Providing & Supplying House Service Connection from distribution main to property limit, including			
		(1) Providing Service Saddle Rigid PVC(IS 4985-2000) threaded (brass)with packing & bolts-nuts 1.no			
		(2) Brass Ferule Long Threaded. (ASTM-D-2466) - 1 no.			
		(3) Providing Brass (metal) inserted Female Thread Adaptor as per ASTM- D- 2466 -1 no.			
		(4) u-PVC Union -Soc with EPDM O-Ring seal SH-40 as per ASTM-D-2466.			
		(5) Providing u PVC White pipe of Schedule-40 class Conforming to ASTM-D-1785 in required length – 5.0 m approx.			

Sr.. No	Quantity	Item	Rate	Per	Amount
		(6) Providing Coupling ASTM-D-2466 Sch-80 about 04 nos for jointing the pipes			
		(7) u PVC Ball valve as per ASTM-D-2466 with one side compression. and another side female threaded - 1 no.			
		(8)Providing 90 degree Elbow - 3 No of standard ASTM-D-2466,			
		(9) PVC Adhesive solution 50ml			
		The work shall be done as per detailed specifications & as per drawings complete with all lead & lift and as directed by the Engineer in charge.			
	450.00	½” (15mm) connection	769.00	No	346050.00
4B	10.00	1” (25mm) connection	1239.00	No.	12390.00
4C	20.00	1 1/2” (40mm) connection	2721.00	No.	54420.00
5A		Labor for fixing PVC/ASTM Saddle ,Tapping ferrule, fixing of u-PVC pipe HSC with fittings up to Consumer House for all Sizes 15 mm, 25 & 40 mm			
		1. Excavation in Soil, SM & HM & Refilling = 0.70m3.			
		2. Removal of Existing GI HC & handing over to house hold.			
		3. Drilling the hole suitable size in plinth with drill machine.			
		4. Drilling the required hole with special tool in DI pipeline including threading in the DI pipe body taking care of in side lining.			
		5. Fixing the long body Ferule with service saddle on street DI pipe including ferule to be inserted in DI pipe material and should be at least remain 5 to 7mm projected in to water section area with required all fitting like washer packing and bolt-nuts .			
		6. Dismantling Floor in the courtyard of house with removal of excavated stuff.			
		7. Laying jointing with std PVC Adhesive solution & fixing all u PVC ASTM			
		standard pipes approx 10m & Fittings as per Standard Drawing.			
		8. Testing the HC for leakage test.			
	450.00	For 15mm connection MR	500.00	No	225000.00
5B	10.00	For 25mm connection MR	345.00	No.	3450.00
5C	20.00	For 40 mm connection MR	460.00	No.	9200.00
6	600.00	Breaking of Asphalt surface	69.00	Sq.mt	41400.00

Sr. No	Quantity	Item	Rate	Per	Amount
7A		Excavation of pipe trenches incl. all safety provision using site rail & stacking excavated stuff up to lead of 90M clearing the site etc comp. For strata as specified.			
	6525.00	0 to 1.50M depth.	100.05	Sq.mt	652826.25
		Average of soil- SM + HM		.	
7B	45.00	0-1.5m depth	220.80	Cumt	9936.00
		In SR, Masonry in CM or LM or LC			
7c	40.00	0-1.5m depth	531.30	Cumt	21252.00
		In HR .			
8	9.00	Providing M-150 (C.C. 1:2:4) for thrust block using 10 to 20 mm size machine crushed metal including formwork, curing, consolidation etc complete.	4663.00	Cum.	41967.00
9		Manufacture, Supply & Delivery of MS Specials at store/ or site anywhere in Gujarat State including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading conveyance to Department stores, stacking etc. complete.			
	400.00	M S specials flanged ended such as tees, bends, reducers etc comp. up to 300mm dia	89.00	kg	35600.00
10		Welding on site			
		Extra welding of MS pipe.			
		Welding in all positions 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.			
	50.00	Fillet/Butt joints for plate thickness 4 to 7mm.	530.00	Rmt.	26500.00
11A		Providing and supplying ISI mark CI D/F Sluice valves , butterfly valves & Reflux valves of following class and diameter including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc complete. {(PN-1 with hand/wheel cap operated (Alt-1 type long body)}			
	20.00	100 mm dia. Sluice valve	10749.00	Nos	214980.00
11B	15.00	150 mm dia sluice valve	16659.00	Nos	249885.00
11C	9.00	200mm dia sluice valve	28990.00	Nos	260910.00
11D	4.00	600 mm dia sluice valve	211237.00	Nos	844948.00

Sr. No	Quantity	Item	Rate	Per	Amount
12		Construction of valves chamber in brick or bela stone masonry, locally available in C.M. 1:6 foundation concrete 150 mm thick in C.C. 1:4:8 of trap metal size 25 mm to 40 mm thick, inside cement plaster in C.M. 1:3 and cement pointing outside in C.M. 1:3 and top cover of MS plate 12 mm thick with MS angle frame with 50 x 50 x 6 mm size angle fixing in C.C. coping 1:1.5:3 with 23 cm thick brick masonry wall in C.M. 1:6.			
	48.00	Size of chamber inside 0.90 x 0.90 x 1.0 m.	21000.00	Nos	1008000.00
13A		Lowering, laying and jointing in position 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. {(PN-1 with hand/wheel cap operated (Alt-1 type long body)}			
	20.00	100 mm dia. Sluice valve	301.40	Nos	6028.00
13B	15.00	150 mm dia sluice valve	346.50	Nos	5197.50
13C	9.00	200mm dia sluice valve	394.10	Nos	3546.90
13D	4.00	600 mm dia sluice valve	1293.10	Nos	5172.40
14A		Manufacture, Supply and Delivery Ductile Iron K-9 grade pipes for following nominal bore diameter with internal cement mortar lining including all taxes, insurance, transportation, freight charges, inspection charges, loading, unloading, transportation to sites of work etc complete(IS : 8329 : 2000)			
	1950.00	200mm dia K-9 class DI pipes	1873.00	Rmt.	3652350.00
14B	3900.00	150mm dia K-9 class DI pipes	1416.00	Rmt.	5522400.00
15A		Lowering, laying and jointing D.I.K-9 Pipes of various classes with DI/ CI / MS specials of following diameters in proper position, grade and alignment as directed by Engineer-in-charge including transportation to site of work, labour, giving hydraulic testing as per IS code etc complete.			
	1950.00	200mm dia K-9 class DI pipes	86.25	Rmt.	168187.50
15B	3900.00	150mm dia K-9 class DI pipes	112.7	Rmt.	439530.00
16A	6210.00	Excavation for road work including bitumen surface upto 20 cm	12.00	Sqmt	74520.00
16B	6210.00	Excavation additional 25 depth	2.50	Sqmt	15525.00
17	1430.00	Supply and laying of black trap metal/Rubble	573.00	Cumt	819390.00
18	497.00	Supply and laying of soft murrum	240.00	Cumt	119280.00
19	621.00	Supply and laying of Field metal(4-10cm)size	530.00	Cumt	329130.00

Sr.. No	Quantity	Item	Rate	Per	Amount
20	497.00	Supply and laying of hard murrum	263.00	Cumt	130711.00
21	6210.00	Rolling work(with watering)	7.50	Sqmt	46575.00
22	15112.00	Removal of surplus earth (After completion of refilling the pipeline trenches incl. ramming watering, consolidation done) with disposal to the locations as directed with in a radius of RMC limit.	171.00	Sqmt	2584152.00
			Total		25944009.55
			Say		25945000.00

Asst. Engineer
Rajkot Muni. Corporation

Dy Executive Engineer
Rajkot Muni. Corporation

Additional City Engineer
Rajkot Muni. Corporation

I/ We agree to carry out the above said work at % Equal / above / below on the tendered rates shown in schedule B. (In words.)

Note: Contractor shall have to quote the % Rates (Online only) in figures as well as words. Rates received in any other format will not be acceptable.

Signature of Contractor