



**RAJKOT MUNICIPAL CORPORATION
RAJKOT**

: Name of Work :

Providing, Lowering, Laying, Jointing, Testing and Commissioning of D.I. K-9 Pipe for Transmission Main from AJI to TirupatiNagar & Swati Park Head-works for water supply system of Kothariya area of Rajkot.

e-TENDER No. RMC/WW/CZ/KTL-2

:: Milestone dates of e-Tendering ::	
1. Downloading of e-TENDER documents	Dt. 07/02/2019 to Dt. 28/02/2019 up to 17:00 Hrs.
2. Pre-bid Meeting	Dt. 11/02/2019 at 12:00 Hrs. at Central Zone Office-RMC.
3. Online submission of e-TENDER	Dt. 28/02/2019 up to 18:00 Hrs.
4. Physical Submission of EMD, Tender fee, Documents required for pre-qualification and other necessary documents.	Dt. 01/03/2019 to Dt.02./03/2019 up to 18:00 Hrs.
5. Verification of submitted documents (EMD, Tender fee, Documents required for pre-qualification and other necessary documents.)	Dt. 05/03/2019 Onwards.
6. Opening of online Primary Bid (Technical bid)	Dt. 05/03/2019 at 10:30 Hrs. Onwards
7. Agency to remain present along with original documents for verification	Dt. 07/03/2019 between 16:00 to 18:00 Hrs.
8. Opening of online Commercial Bid (Price Bid) for Technically qualified bidders only	Dt. 08/03/2019 at 11:00 Hrs. Onwards
9. Bid Validity	One Eighty (180) calendar days

VOLUME – III (PRICE BID)

**:Authority :
Executive Engineer
Water Works Department, Central Zone,
Rajkot Municipal Corporation
Dr. Ambedkar Bhavan Dhebar Road,
RAJKOT - 360 001.**

RAJKOT MUNICIPAL CORPORATION

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VOLUME – III (PRICE BID)

INDEX

Sr No.	CONTENT
01	Bill of quantities - Bid Form (With Price)
02	Schedule A
03	Schedule B

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 : **Bid documents for** Providing, Lowering, Laying, Jointing, Testing and Commissioning of D.I. K-9 Pipe for Transmission Main from AJI to TirupatiNagar & Swati Park Head-works for water supply system of Kothariya area of Rajkot.

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, Lowering, Laying, Jointing, Testing and Commissioning of D.I. K-9 Pipe for Transmission Main from AJI to TirupatiNagar & Swati Park Head-works for water supply system of Kothariya area of Rajkot. 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:

- Survey and design of transmission main from AJI to TirupatiNagar and Swati Park Headwork
- Excavation of Trenches
- Designing, Providing, supplying, lowering, laying, jointing, testing and commissioning of DI K-9 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, Lowering, Laying, Jointing, Testing and Commissioning of D.I. K-9 Pipe for Transmission Main from AJI to TirupatiNagar & Swati Park Head-works for water supply system of Kothariya area of Rajkot.

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 all applicable taxes and including GST, levies and duties.
14. The prices shall have to be quoted firm & fix including all the applicable taxes including GST, levies & 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 will 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 confirming to relevant/latest I.S. edition or as per the instructions of Executive Engineer/ Engineer in charge.
22. If any tax Exemption is available for this type of project, necessary Certificate for eligible material supply will be issued by the competent authority and as such all the interested agencies will have to quote their rates accordingly inclusive of above benefits.

After issue of Work Order by RMC, if More than 15 days are consumed in issue of Certificate then such delayed period after 15 days will be considered as non-working period.

23. **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.
24. **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.

25. FDR or Bank Guarantee will not be acceptable towards Tender fee and Earnest Money Deposit.
26. All work shall have to be carried out under the supervision and QA-QC of PMC/TPI agency TATA Consultants Engineers Limited (TCEL), which has been already appointed by GUDM under the Government "AMRUT" Project.

Add. Asst. Engineer
Rajkot Muni. Corporation

Dy.Executive Engineer
Rajkot Muni. Corporation

Executive Engineer
Rajkot Muni. Corporation

Signature of Contractor

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, Lowering, Laying, Jointing, Testing and Commissioning of D.I. K-9 Pipe for Transmission Main from AJI to TirupatiNagar & Swati Park Head-works for water supply system of Kothariya area of Rajkot.

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.			

Add. Asst. Engineer
Rajkot Muni. Corporation

Dy.Executive Engineer
Rajkot Muni. Corporation

Executive Engineer
Rajkot Muni. Corporation

Signature of Contractor

Rajkot Municipal Corporation

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SCHEDULE-B1

BOQ For Kotharia Aji Water Supply Transmission Main Line					
Abstract Sheet					
Client : Rajkot Municipal Corporation					
Name of work :- Providing, Lowering, Laying, Jointing, Testing and Commissioning of D.I. K-9 Pipe for Transmission Main from AJI to TirupatiNagar & Swati Park Head-works for water supply system of Kothariya area of Rajkot.					
Sr No	Item Description	Qty	Rate	Unit	Amount
1	Excavation Work : Excavation in Trench for pipe in all types of streta including lifting and laying in 90 mtr. Lead area as instructed etc comp.				
(A)	For 00.00m – 01.50m B.G.L.				
	In all soil, soft murrum, Hard Murrum	6168.00	74.50	Cum	459516.00
	in Soft rock and Hard Rock	1542.00	277.50	Cum	427905.00
(B)	For 01.51m – 03.00m B.G.L.				
	In all soil, soft murrum, Hard Murrum	704.00	82.50	Cum	58080.00
	in Soft rock and Hard Rock	704.00	296.00	Cum	208384.00
2	Sand Bedding : Supply & Laying of Bhogavo Sand with all required material and labour for pipe Bedding etc comp.	465.00	829.00	Cum	385485.00
3	Providing bedding incl. Raming, watering consolidating etc. (a) -- do -- from selected excavated earth. GWSSB SOR 2014-15, Section-D(Item - 16 (A), Page - 143)	310.00	63.00	Cum	19530.00
4	Removal Work : Removal of Excavated Stuff and laying within RMC limit as directed by Engineer-in-Charge etc comp.	3950.00	107.00	Cum	422650.00
5	CC Excavtion Work : Excavation of CC Road (Except for road works) with removing of Excavated material as directed by incharge engineer etc comp.	150.00	259.00	Cum	38850.00

6	Paver Excavtion Work : Excavation of Paver Road (Except for road works) with removing of Excavated material as directed by incharge engineer etc comp.	1200.00	57.00	Sqmt	68400.00
7	D.I. Pipe Supply : Providing & Supplying Ductile Iron Pipes with internal cement mortar lining and external Zinc coating with finishing layer of Bitumen; manufactured, tested and duly marked in strict accordance with and confirming to IS: 8329/2000 (as per latest amendment); suitable for push-on Jointing, along-with one number Rubber Gaskets for each length of pipe (EPDM Gasket as per IS: 5382/1985). Class- K9 With excise duty				
	300 mm Pipe	1800.00	3154.00	Rmt	5,677,200.00
	500 mm Pipe	3200.00	6576.00	Rmt	21,043,200.00
8	D.I. Pipe Laying : Lowering, laying & jointing of Ductile Iron Pipes with CI / DI / MS special in proper position, grade and alignment as directed by engineer-in-charge etc comp.				
	300 mm Pipe	1800.00	88.00	Rmt	158,400.00
	500 mm Pipe	3200.00	170.00	Rmt	544,000.00
9	D.I. Fittings : Ductile Iron fittings like, bends, tees, reducers or any other specials as per IS-9523-2000 (as per latest amendment) use with D.I.Pipes manufactured as per IS:8329/1994 (With external bitumen & zink coating & internal cement mortar lining etc comp.				
(A)	Socket & Spigot Type				
		6627.00	123.00	kg	815,121.00
(B)	Flanged Ended				
		6627.00	129.00	kg	854,883.00
10	Sluice Valve Supply : Providing and supplying ISI mark Cast Iron Sluice Valve 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 1.0 . (with ISI Mark)				
	300mm	2	17496.00	No	34,992.00
	500mm	2	84693.00	No	169,386.00
11	Sluice Valve Fixing : Labour work for Fixing of Sluice Valve / Reflux Valve on all types of pipes including all types of Jointing Materials (Excluding transportation and de-watering)				
	300mm	2	557.25	No	1,114.50
	500mm	2	1040.00	No	2,080.00

12	Air Valve Supply : Providing and supplying of 150 mm dia. C. I. Temper proof Air valves with SS 304 Float gun metal- nozzle of approved make & quality of following class and diameter including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc. complete.(With Isolating Sluice Valve PN 1.0)	6	28173.00	No	169,038.00
13	Air Valve Fixing : Lowering, laying and jointing of 150 mm dia. C. I. Temper proof Air valves in position, including cost of all labour, jointing material, including nut bolts and giving satisfactory hydraulic testing, etc. complete. (Air valve double ball flanged)(With Isolating Sluice Valve PN 1.6)	6	645.00	No	3,870.00
14	Scour Valve Supply : Supply, installation, satisfactorily testing & commissioning of 200 mm dia. CI Scour valves with all accessories as per specs & drawings etc comp.	2	22053.00	No	44,106.00
15	Scour Valve Fixing : Lowering, Laying, Jointing in position of 200 mm dia. D.I. Scour valve including cost of all labour ,jointing material,including bolts and giving satisfactory hydraulic testing etc. complete	2	374.70	No	749.40
16	C.C. Work : Providing CC work 1:2:4 for Thrust Block using aggregate of size 10-20 mm, centring, curing, finishing etc. complete (without reinforcement)	176.20	4585.00	Cum	807877.00
17	Brick Work : Brick work using common burnt clay building brick having crushing strength not less than 35 kg/Sqcm in foundation and plinth in cement mortar 1:6 (1 cement : 6 sand) etc comp.	42.00	4508.00	Cum	189,336.00
18	Plaster Work : Providing cement plaster 12 mm thick using cement mortar in proportion 1:3 with niru finishing, curring etc comp.	94.00	200.00	Sqmt	18,800.00
19	Iron Work : Iron work for valve chamber cover as directed by engineer incharge etc comp.	2300.00	69.00	Kg	158,700.00
20	Reinforcement Work : Supplying, Cutting, Beding, Binding and Hooking and binding with wire for RCC work Tor steel TMT round bar including all cost etc comp.	3424.00	56.00	Kg	191,744.00

21	Expansion Bellows (Flanged) : Providing testing of corrugate design stainless steel expansion bellows with flanges, 15mm axial movement, 300mm overall length with tie roads, nuts etc with fitting and Fixing etc comp. PN 1.6				
	For 300 mm Dia.	2	16454.00	No	32,908.00
	For 500 mm Dia.	2	39151.00	No	78,302.00
22	Dismantle Joint : Providing Dismantle joint of any size with all required accessories with fitting and Fixing etc comp.	150.00	220.00	kg	33,000.00
23	Providing, Supplying and delivery of Water Hammer Control Devices for use on various pumping main of following class and diameter including all taxes, insurance, transportation, freight charges, octrol, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc, complete.				
	--- do--- Zero valocity valves 500mm dia with M.S. body (class-15)	1	163266.00		163266.00
			Total Cost Rs. =		33,280,872.90
			Say Rs. =		33,290,000.00

Schedule-A : NIL
Schedule-B1 : 33,280,872.90/-

Total : 33,280,872.90/-

Say : 33,290,000.00/-

Add. Asst. Engineer
Rajkot Muni. Corporation

Dy.Executive Engineer
Rajkot Muni. Corporation

Executive 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