RAJKOT MUNICIPAL CORPORATION

e - Tender No. RMC/ENGG/WZ/22-23/

Bid Documents For

PROVIDING, LOWERING, LAYING, JOINTING, TESTING AND COMMISSIONING DI PIPELINE DISTRIBUTION NETWORK IN WARD NO. 12 OF RMC AREA UNDER AMRUT 2.0 (POCKET-12, 13, 14, 15) (3rd Attempt)

Volume-III
Price bid

Milestone Dates for e-tendering is as under	
1. Downloading of e-Tender documents	06-06-2023 To 20-06-2023 upto 17.00 Hrs.
2. Pre-bid meeting in the O/o Addl. City Engineer at **WEST ZONE**	15-06-2023 at 17:00 hrs
3. Online submission of e - Tender	21-06-2023 upto 18.00 Hrs.
4. Physical submission of EMD, Tender fee and other documents required as per Financial and Experience criteria by Regd. Post. A.D. / Speed Post ONLY	23-06-2023 upto 18.00 Hrs.
5. Opening of online tender	26-06-2023 at 11.00 Hours onwards
6. Verification of submitted documents (EMD, e - Tender fee, etc.)	26-06-2023 at 11.00 Hours onwards
7. Agency to remain present in person along with original documents for verification	27-06-2023 between 16.00 to 17.00 Hours
8. Opening of Price Bid (If possible)	28-06-2023 at 11.00 Hours onwards
9. Bid Validity	180 Days
For further details, pre-qualification criteria etc. visit www.rmc.nprocure.com	

2022-23

CITY ENGINEER
RAJKOT MUNICIPAL CORPORATION
SHRI HARISINHJI GOHIL BHAVAN
WEST ZONE OFFICE, 150' RING ROAD,
RAJKOT - 360005 (GUJARAT)

PART-III
BILL OF QUANTITIES
(Attached in Separate Folder)

BID FORM(WITH PRICE)

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

CONTRACT No: RMC/ENGG/WZ/22-23/

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

Dear Sir,

SUB : PROVIDING, LOWERING, LAYING, JOINTING, TESTING AND COMMISSIONING DI PIPELINE DISTRIBUTION NETWORK IN WARD NO. 12 OF RMC AREA UNDER AMRUT 2.0 (POCKET-12, 13, 14, 15) (3rd Attempt)

1. 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 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) for (quoted online) %age 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-in-charge 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 within **18 months** of construction period 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 within 10 days 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.

Dated _____this_____day of_____2023.

_____
(Signature)

Company Seal _____
(Name of the person)

_____ _____
(Name of firm) (In the capacity of)
Duly authorised to sign Bid for and on behalf of
(Fill in block capitals)
_____
_____
_____

Witness
Signature _____
Name_____
Address _____ _____

I/We have enclosed a DEMAND DRAFT as an "**Earnest Money Deposit**", for the sum of **Rs. 15,74,551/-** the full value of which is to be absolutely forfeited to the Employer should I/We fail to commence the works specified. Otherwise the said sum shall be retained, by the Employer as on account of such `Security Deposit' as provided for in the aforesaid documents.

I/We agree not to employ Sub-contractors other than those that may be approved in accordance with conditions in the aforesaid documents.
I/We understand that you are not bound to accept the lowest or any tender which you may receive.

I/We shall refer all disputes arising out of or relating to the agreement to the arbitration in accordance with conditions of contract.

I/We am/are bound to execute the job if the work order is issued within **180 Days** from the date of opening of the tender.

I/We agree to pay the Government Income-Tax, CGST, SGST and other taxes prevailing from time to time on such items on which the same are levied and the rates quoted by me/us are inclusive of the same.

Yours faithfully,

_____
Signature of Contractor

Date:_____
Address:

PREAMBLE TO PRICE SCHEDULES

Note on Schedule:

The bid is percentage rate bid for **PROVIDING, LOWERING, LAYING, JOINTING, TESTING AND COMMISSIONING DI PIPELINE DISTRIBUTION NETWORK IN WARD NO. 12 OF RMC AREA UNDER AMRUT 2.0 (POCKET-12, 13, 14, 15) (3rd Attempt)**

1. The whole work is to be done under the supervision of RMC.

2. Before starting the work, the details survey has to be done by the contractor and shall have to prepare and submit Survey and Level drawings in soft copy (Auto Cad) and Hard copy, and has to mark permanent levels at all necessary locations for Reference, for which, no extra payment will be made by Rajkot Municipal Corporation. After permission / approval from the engineering in charge, the work will have to be executed accordingly on site. After award of the work available drawing shall be given to successful bidder in AUTOCAD format .

3. The rates and prices shall be submitted in the formats given in the enclosed Price Schedules. Rates and prices received in any other formats will be rejected and the Bids will be disqualified.

4. It will be entirely at the discretion of the Employer to accept or reject the bidder's proposal, without giving any reasons whatsoever.

5. In Price Schedule, bidder shall quote his percentage Equal/Above/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.

6. Only Price Schedule will be considered for financial evaluation of the bid with the successful bidder.

7. The bidder 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.

8. Where there is a discrepancy between the unit rates and the amount entered, in the price schedule the latter shall govern.

9. The Price Schedules are to be read in conjunction with the Conditions of Contract, the Specifications and other sections of these bid documents and these documents are to be taken as mutually explanatory of one another.

10. Prices quoted by the bidder shall be firm for the entire period of Contract without any escalation.

11. The bidder shall interpret the data furnished and carry out any additional survey work, or investigation work required at his own cost.

12. The prices quoted shall also include the cost of materials utilized for testing.

13. The bidder should acquaint himself with the site conditions including the access to Worksite. The successful bidder shall have to make suitable access to worksites at his own cost. These accesses will be used by the other contractors working for RMC.

14. From each Running Account Bill, labour cess will be deducted as per norms.

15. The quoted rates should be inclusive of all taxes and duties.

16. The prices shall have to be quoted firm & fix including all the taxes & dutes without any statutory variation. RMC will not consider any statutory variation as well as the price rise in the market and if any, those shall be on account of contractor.

17. The work contract tax will be borne by the agency.

18. Use of ready mix concrete may be permitted if it fulfils tender specifications.

19. No extra item or extra width will be paid due to excavating method or type of machinery.

20. For any type of license regarding labour, etc. has to be achieved by agency.

21. Appendix - P mentioned in tender is a sample format. The bidder shall furnish the details of concern tender and financial terms shall be certified by Chartered Accountant.

22. In Every running bill 0.25% amount shall be retained as extra security deposit if Drawings of work done are not submitted by agency.

23. As Road Restraining is the responsibility of work contract agency, in Every running bill 0.50% amount shall be retained as extra security deposit for purpose of Corrections for road restraining in

case of settlement of surfaces of refilled trenches. These shall be released after Defect Liability Period.

24. This office Circular bearing No. RMC/C/329 dated 22-12-2012 and Order No. RMC/C/132 dated 10-06-2013 are uploaded in tender document. The Contractors quoting their rates Above/Below shall have to read, implement, and submit the same duly signed along with the will be documents to be submitted during physical submission.

25. In reference to the above Circular and Order cited at above, the Contractor firm who have quoted their rates for this work will be called in person for verification of original documents. The date and time for verification of original documents will be intimated to the Contractors.

26. The routes and levels shown in the maps are indicative and not final. There are possibilities of change in routes and levels at the time of execution of work and due to which the diameter of pipeline and depth of drainage line may increase or decrease. Under the circumstances, the contractor shall have to carry out the work accordingly at the approved rates without any extra cost. Rajkot Municipal Corporation will not entertain any dispute in this regard.

27. The contractor shall have to carry out the Sub-soil strata investigation at his own cost.

28. Flow Test shall be done in two stage:

Stage 1
Pipe line shall be laid by resting the pipe line on supports at joints. The flow test and The drains, manholes and all joints of pipes shall be made thoroughly sound and water tight and any joint which may be observed to be leaky shall be immediately corrected. Thus after satisfactory flow test sand bedding shall be fill pipe line after laying pipe line. The refilling of trench shall be carried out then after.

Stage 2
After total laying & refilling of trenches, flow test shall be carried out again for particular section of length as suggested by engineer in charge.

29. If the progress of work is found slow then Extra security Deposit may be recovered from any running bill as decided by Engineer in charge up to maximum 5% amount of concerned R.A. Bill amount.

30. Wherever the sanction from Forest and State High Way (R & B) department is required that has to be procured and also any other sanction of any other Institute/Authority is required then contracting agency shall have to arrange itself i.e. whole liaison shall be on account of working agency. However, if required, RMC will recommend for the same wherever necessary. The expenditure incurred for this type sanctions will be reimbursed by RMC on submission of necessary documentary evidence like; Receipt, as proof.

31. Blasting may not be permitted in the areas having dense population or any other unsuitability.

32. Big machinery may not enter in the areas having narrow streets (3 to 4 Mtr. wide).

33. Kachcha houses shall not be get damaged. Considering this, manual labour work is more feasible in these types of areas.

34. No extra item or extra width will be paid due to excavating method or type of machinery.

35. The bidders are advised to visit the project area and get acquainted with the local condition as the said area is residential area with numbers of underground utility services like water supply pipe line, sullage water pipe line, gas pipeline, telephone/electric cable, KHALKuVAS etc, which requires to be maintained during the progress of work. The safety of the work is prime important factor and all the bidder should be very much vigilant for the same. Thus, there may be some locations where clear ROW or ROU may not be available due to certain reasons like TP Road open Issues, Permissions etc. If work of that much location is affected due to such reasons time limit may be extended considering that non-working period but in no case Price Escalation will be given for that extended period.
Thus, it is to be clear that to work within utility services is a part of this work. If utilities are affected, it shall be the responsibility of contractor to make same as it was as before. The expenditure and arrangement shall be bear by contractor.

36. In case of Extra Item, No "**On**" %age i.e. +ve % age Rate will be given but if there is Down %age i.e, -ve % age Rate that will be applied to that rate of that Extra Item.

37. Before procurement of Material the Quality Assurance Plan (QAP) shall be approved by RMC. QAP for approval shall be submitted in 3 Original copy duly signed and stamped by Manufacturer, PMC/PMC and Tenderer, The draft QAP has been attached herewith.

38. 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.

39. The contractor shall be responsible for Railway Crossing, Highway crossing etc and the detailed design shall have to be provided by the contractor and carry out the same, for which, payment will be made as per norms.

40. The contractor shall have to obtain the approval from the concerned authorities for level crossing, Highway, Gas etc. However, Rajkot Municipal Corporation will extend its cooperation in obtaining the approval. The charges as per norms shall be paid by the agency and same will be reimbursed by Rajkot Municipal Corporation.

41. 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.

42. **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.

43. 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).

44. 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.

45. FDR or Bank Guarantee will not be acceptable towards Tender fee and Earnest Money Deposit.

46. Rajkot Municipal Corporation will engage PMC/TPI agency for pipe material inspection and testing at factory and to maintain the overall work supervision and quality control of the project. The PMC/TPI agency shall be from approved list of GUDM or as decided by the competent authority of RMC. All necessary charges of PMC/TPI agency is to be borne by the contractor. The PMC/TPI charge is 1% of the actual amount of work.

47. In case of damage to obstructing pipe line or other utilities is done by the agency then the rectification to the same and making it good shall have to be carried out by the agency at his own cost.

48. The contractor shall at his own cost fill up water in pipe line and given necessary hydraulic test section. However, to carry out successful hydraulic testing of pipeline necessary water will be given one time only by RMC if available.

49. Autocad drawings shall have to be provided in soft copy as well as hard copy, for which, decision of engineer-in-charge will be final and binding to the agency.

50. As per site condition instead of brick masonry valve chamber for 100 mm dia. & 150 mm dia. Valve precast valve chamber can be used. The rate are as per RMC SOR item no. 541/A & 327/B. The rate of precast valve chamber with fixing will be Rs. 3480/- no. The decision regarding change in item from brick masonry valve chamber to precast valve chamber will be of RMC engineer.

51. As per Municipal Corporation Rajkot Circular No. RMC/C/28, Date : 12/04/2018 (attached herewith) Circular Sr. No. 9 RMC has approved the rate Contract of valves for different brand list attached herewith. The valve shall be supply for this work from approved list by Contract Agency as per instruction and rate will be paid as per above approved rate contract price only. (No, + or -, on/down payment) GST will be paid by RMC as per tender condition.

52. The survey work for house service connection shall be carried out by contractor. However, after completion of work with all respect RMC will carryout survey for remaining house connection work & shall be completed by agency in time period of two months.

53. The contractor should take permission before digging up or starting the excavation for laying pipeline for which he should registered and application in a call before you Dig. Only after getting permission from concerned department he can start the work at site.

CITY ENGINEER
Rajkot Municipal Corporation

Signature of Contractor

Check List for submission of Documents

Tender Fee submitted as per Tender	Yes / No
Tender Earnest Money Deposit submitted as per Tender	Yes / No
Registration documents submitted as per tender requirement	Yes / No
Information regarding Capability etc. as per clause No. **IT-12** (General Performance data) shall have to be submitted	Yes / No
All Appendixes shall have to be submitted physically duly filled	Yes / No
Declaration on Stamp paper of Rs.300/- regarding nowhere black listed / terminated / debarred	Yes / No
Financial Details:	
Turnover details submitted as per requirement	Yes / No
Working Capital as per requirement of tender is submitted	Yes / No
Valid Bank Solvency submitted	Yes / No
Validity of Bank Solvency	Date:
Experience Details:	
Details of Technical Staff and details of machineries submitted	Yes / No
Address proof submitted	Yes / No
Identity proof submitted	Yes / No
Fresh Declaration on Non-Judicial Stamp Paper regarding not black listed or Terminated or Debarred, is submitted	Yes / No
Professional Tax Receipt of current year	Yes / No

Note : Over and above, the agency shall also have to submit all other necessary documents as may be required for pre-qualification, failing which, the agency will be treated as Non-responsive and will be DISQUALIFIED and also the online price bid of such agency will not be opened.

Signature of contractor with seal

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 DI PIPELINE DISTRIBUTION NETWORK IN WARD NO. 12 OF RMC AREA UNDER AMRUT 2.0 (POCKET-12, 13, 14, 15) (3rd Attempt)

Sr.	Particulars	Qty.	Rate at which material will be charged to the contractor	Total Amount
1	NA			
			Total	
			Say	
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	Dy. Executive Engineer	City Engineer
Rajkot Muni. Corporation	Rajkot Muni. Corporation	Rajkot Muni. Corporation

PRICE SCHEDULE

Rajkot Municipal Corporation
Price Schedule - B

Name of work:
PROVIDING, LOWERING, LAYING, JOINTING, TESTING AND COMMISSIONING DI PIPELINE DISTRIBUTION NETWORK IN WARD NO. 12 OF RMC AREA UNDER AMRUT 2.0 (POCKET-12, 13, 14, 15) (3rd Attempt)

SR. NO.	DESCRIPTION	AMOUNT IN RS.
1	DI PIPELINE DISTRIBUTION NETWORK IN ward 12 OF RMC WITH HOUSE CONNECTION UNDER AMRUT 2.0	14,79,20,900.00
2	RESTORATION OF ROAD WORK	95,34,200.00
	TOTAL RS.	**15,74,55,100.00**

DI Pipeline Distribution Network in Ward 12 of RMC with House Connection Under Amrut 2.0 (POCKET 12, 13, 14, 15)"

Sr. no.	Description	Unit	Quantity	Rate	Amount
1)	Excavation for pipe line trenches for water supply, manhole etc. all with shoring and struilng 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.				
1.1	0 to 1.5 mt depth.				
1.1.1	---do--- in all sorts of soil,soft murrum, hard murrum, boulders and mecadam road	cu.mt	25,640.00	112.00	28,71,680.00
1.1.2	---do--- In soft rock ,Hard rock	cu.mt	25,640.00	267.50	68,58,700.00
1a)	Refilling the pipeline trenches including ramming, watering, consolidating desposal of surplus stuff as directed at any lead as directed by Engginer Incharge.	cu.mt	43,001.00	22.00	9,46,022.00
2)	Providing and supplying D. I. pipes for following nominal bore diameter with internal cement mortar lining including all taxes, insurance, transportation, freight charges, octroi. inspection charges, loading, unloading, conveyance to departmental stores,stocking etc.complete. (IS 8329-2000)				
	DI K7				
2.1	100 mm Dia D.I.Pipe	R.mt.	34,265.00	968.00	3,31,68,520.00
2.2	150 mm Dia D.I.Pipe	R.mt.	10,795.00	1425.00	1,53,82,875.00
2.3	200 mm Dia D.I.Pipe	R.mt.	1,950.00	1814.00	35,37,300.00
2.4	250 mm Dia D.I.Pipe	R.mt.	1,735.00	2379.00	41,27,565.00
2.5	300 mm Dia D.I.Pipe	R.mt.	6,415.00	3000.00	1,92,45,000.00
2.6	350 mm Dia D.I.Pipe	R.mt.	80.00	3722.00	2,97,760.00
2.7	400 mm Dia D.I.Pipe	R.mt.	550.00	4421.00	24,31,550.00
2.8	450 mm Dia D.I.Pipe	R.mt.	-	5227.00	0.00
2.9	500 mm Dia D.I.Pipe	R.mt.	5,614.00	6275.00	3,52,27,850.00
2.10	600 mm Dia D.I.Pipe	R.mt.	-	8184.00	0.00
2.11	700 mm Dia D.I.Pipe	R.mt.	-	11234.00	0.00
2.12	800 mm Dia D.I.Pipe	R.mt.	-	14658.00	0.00

Sr. no.	Description	Unit	Quantity	Rate	Amount
3)	Lowering, laying and jointing C. I. S & S Spun pipes suitable for Tyton joints / Mortar lined D. I. Pipes of various classes with Cl / MS specials of following diameters in proper position, grade and alignment as directed by Engineer-in-charge including hydraulic testing etc. comp.				
3.1	100 mm Dia D.I.Pipe	R.mt.	34,265.00	55.00	18,84,575.00
3.2	150 mm Dia D.I.Pipe	R.mt.	10,795.00	76.00	8,20,420.00
3.3	200 mm Dia D.I.Pipe	R.mt.	1,950.00	99.00	1,93,050.00
3.4	250 mm Dia D.I.Pipe	R.mt.	1,735.00	127.00	2,20,345.00
3.5	300 mm Dia D.I.Pipe	R.mt.	6,415.00	155.00	9,94,325.00
3.6	350 mm Dia D.I.Pipe	R.mt.	80.00	188.00	15,040.00
3.7	400 mm Dia D.I.Pipe	R.mt.	550.00	225.00	1,23,750.00
3.8	450 mm Dia D.I.Pipe	R.mt.	-	265.00	0.00
3.9	500 mm Dia D.I.Pipe	R.mt.	5,614.00	312.00	17,51,568.00
3.10	600 mm Dia D.I.Pipe	R.mt.	-	404.00	0.00
3.11	700 mm Dia D.I.Pipe	R.mt.	-	513.00	0.00
3.12	800 mm Dia D.I.Pipe	R.mt.	-	635.00	0.00
4)	Manufacture, Supply & Delivery of Ductile Iron Flange socket spigot bends, tees, reducers or any other specials as per BS-EN-545/1995 Class-A series K12 suitable for use with D.I. Pipes manufactured as per IS:8329/1994 delivery of specials is to be made to GWSSB store or site of works any where in Gujarat including all taxes, loading, unloading, carting. stacking, insurance, inspection charges, octroi etc. complete.				
4.1	socket & spigot type				
	80 to 300 mm dia	kg.	26,100	148.00	38,62,800.00
	350 mm &above	kg.	25,500	151.00	38,50,500.00
4.2	Flanged type				
	80 to 300 mm dia	kg.	2,300	155.00	3,56,500.00
	350 mm &above	kg.	2,200	158.00	3,47,600.00
5)	Providing and supplying ISI mark Cl / D/F Sluice Valves as per IS:14846 (Latest Edition) of following class and diameter including all taxes. insurance. transportation, freight charges, octroi, inspection charges. loading, unloading. conveyance to departmental stores, stacking etc. complete (As per Volume-III, Pg. no. 14, Cl. 51)				
	PN-1 with hand wheel / cap operated (PD type short body)				

Sr. no.	Description	Unit	Quantity	Rate	Amount
5.1	100 mm dia Sluice valve	nos.	-	3563.00	0.00
5.2	150 mm dia Sluice valve	nos.	-	5848.00	0.00
5.3	200 mm dia Sluice valve	nos.	-	9813.00	0.00
5.4	250 mm dia Sluice valve	nos.	-	15920.00	0.00
5.5	300 mm dia Sluice valve	nos.	16.00	20384.00	3,26,144.00
5.6	350 mm dia Sluice valve	nos.	-	30125.00	0.00
5.7	400 mm dia Sluice valve	nos.	1.00	45750.00	45,750.00
5.8	450 mm dia Sluice valve	nos.	-	53384.00	0.00
5.9	500 mm dia Sluice valve	nos.	10.00	89866.00	8,98,660.00
5.10	700 mm dia Sluice valve	nos.	-	281009.00	0.00
6)	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.				
6.1	100 mm dia Sluice valve	nos.	-	439.00	0.00
6.2	150 mm dia Sluice valve	nos.	-	585.00	0.00
6.3	200 mm dia Sluice valve	nos.	-	742.00	0.00
6.4	250 mm dia Sluice valve	nos.	-	946.00	0.00
6.5	300 mm dia Sluice valve	nos.	16.00	1141.00	18,256.00
6.6	350 mm dia Sluice valve	nos.	-	1742.00	0.00
6.7	400 mm dia Sluice valve	nos.	1.00	1971.00	1,971.00
6.8	450 mm dia Sluice valve	nos.	-	2760.00	0.00
6.9	500 mm dia Sluice valve	nos.	10.00	2905.00	29,050.00
6.10	700 mm dia Sluice valve	nos.	-	5030.00	0.00
7)	Providing and supplying C. I. Temper proof Air valves with ss 304 Float gun metal- nozzle of approved make & qualily of following class and diameter including all taxes. insurance. transportation, freight charges, octroi, Inspection charges, loading. unloading, conveyance to departmental stores. stacking etc. complete. (As per Volume-III, Pg. no. 14, Cl. 51)				
	with Isolating Sluice Valve PN 1.0				
	80 mm dia. Air valve	nos.	4.00	13789.00	55,156.00
	100 mm dia. Air valve	nos.	-	16232.00	0.00

Sr. no.	Description	Unit	Quantity	Rate	Amount
8)	Lowering, laying and jointing in position following CI / 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.				
	80 mm dia. Air valve	nos.	4.00	411.00	1,644.00
	100 mm dia. Air valve	nos.	-	526.00	0.00
9)	Construction of valves Chambers in brick masonary using common burnt clay building brick, locally available in C.M 1:6 foundation concrete 150 mm thick, cement Plaster 12 mm thick using cement : mortar in Proportion 1:3 with Niru finishing curing and 16 mm thick MS frame & cover with material. (With 16 mm thick M.S cover Plate) complete.				
	For Sluice Valve + Air Valve Chamber				
9.1	0.9 mt. x 0.9 mt. x 1.0 mt.	nos.	21.00	13345.19	2,80,248.99
9.2	1.3 mt. x 1.3 mt. x 1.0 mt.	nos.	10.00	22843.48	2,28,434.80
10)	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 consoildation, curing comp. up to 6 meter depth or height (excluding cost of reinforcement and neat finishing) with centering and shuttering / deshuttering etc. comp for structure for other than water retaining. (with form work)				
	For Thrust Block	cu.mt.	249.00	4906.00	12,21,594.00

Sr. no.	Description	Unit	Quantity	Rate	Amount
	HOUSE CONNECTION				
11)	Providing & Supplying House Connection piping ASTM Providing & Supplying House service connection from distribution main to property limit, including (1) Providing service saddle Rigid PVC (IS 4985- 2000) threaded (simple) with packing & bolts- nuts 1 No. (2) Brass Ferule long Thresded. (ASTM-D-2466) -1Nos. (3) Providing Brass (metal) inserted Female Thread Adaptor as per ASTM-D-2466 - 3 nos. (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. (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 nos. of standard ASTM-D-2466. (9) PVC Adhesive solution 50 ml. 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. (Without cost of watermeter) (including all brass & upvc fixtures for water meter))				
	15 mm (1/2") dia	nos.	6,437.00	650.00	41,84,050.00
	25 mm (1") dia	nos.	5.00	1050.00	5,250.00
	40 mm (1.1/2") dia	nos.	-	2330.00	0.00
	50 mm (2") dia	nos.	14.00	2563.00	35,882.00
	65 mm (2.1/2") dia	nos.	6.00	2819.30	16,915.80
	80 mm (3") dia	nos.	9.00	3101.23	27,911.07
	100 mm (4") dia	nos.	6.00	3411.35	20,468.12

Sr. no.	Description	Unit	Quantity	Rate	Amount
12)	Labour for fixing PVC / ASTM Saddle, Tapping ferrule, fixing of u-PVC pipe HSC with fitting upto Consumer 1. Excavation in soil, SM & HM & Refilling = 0.70 m3. 2. Removal Existing GI HC & handaling over to house hold 3. Drilling the hole suitable size in plint with drill machine 4. Drilling the requried 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 7 mm 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. Laing jointing with std PVC Adhesive solution & fixing all u PVC ASTM standard pipes approx 5 m. & fittings as per Standard Drawing 8. Testing the HC for leakage test (including water meter fixing)				
	15 mm (1/2") dia	nos.	6,437.00	309.00	19,89,033.00
	25 mm (1") dia	nos.	5.00	345.00	1,725.00
	40 mm (1.1/2") dia	nos.	-	400.00	0.00
	50 mm (2") dia	nos.	14.00	440.00	6,160.00
	65 mm (2.1/2") dia	nos.	6.00	484.00	2,904.00
	80 mm (3") dia	nos.	9.00	532.40	4,791.60
	100 mm (4") dia	nos.	6.00	585.64	3,513.84
				Total	**14,79,20,808.22**
				Say	**14,79,20,900.00**

DI Pipeline Distribution Network in Ward 12 of RMC with House Connection Under Amrut 2.0 (ROAD ITEM) (POCKET 12, 13, 14, 15)

Sr No.	Quantity	Detail	Rate	Unit	Total
			Rupees		Rupees
1	29855.23	Excavation for Road work surface upto 20 cm depth Note: For addl. depth @ every 5 cm rate will be increased Rs. 0.50 per sq. mtr. upto addl. depth of 45 cm For depth above 45 cm, the rate for the excavation will be given on CuM basis .	12.00	Sqm	3,58,262.78
2	29855.23	Excavation for addistional 20cm depth	3.50	Sqm	1,04,493.31
3	6911.55	Supply & Laying of Black Trap Metal / Rubble	573.00	Cum	39,60,318.15
4	4478.28	Supply & Laying of FIeld Metal (4-10 cm) Size	530.00	Cum	23,73,488.40
5	2239.14	Supply & Spreding Soft Murrum	240.00	Cum	5,37,393.60
6	2239.14	Supply & Spreding Hard Murrum	263.00	Cum	5,88,893.82
7	14927.61	Removing Surplus and disposing it with in city limit including spreading as directed by Engineer in-charge up to 15 km (with carting)	77.94	Cum	11,63,457.92
8	59710.46	Rolling work with Roller 8-10 Ton capacity over metalling murrum for soling or single layer arriving proper compaction (with watering)	7.50	Sqm	4,47,828.45
				Total	**95,34,136.43**
				Say	**95,34,200.00**

Addl/Asst. Engineer R.M.C. **Dy.Ex.Engineer R.M.C.** **CITY ENGINEER R.M.C.**

I/We agree to carry out the above said work at (to be quoted online)__% Equal / above / below on the tendered rates shown in Schedule.

Signature of Contractor