

RAJKOT MUNICIPAL CORPORATION

RAJKOT

E-TENDER NO.RMC/WW/2023-24



SITC work of different size of Full bore type Electromagnetic Flowmeter with Level Sensor, Chlorine sensor & RTU panel at different head Works of Rajkot municipal corporation. (RE TENDER)

| Milestone dates for e-tendering is as under | |
|---|--------------------------|
| 1. Downloading of e-Tender documents | 04-12-2023 to 28-12-2023 |
| 2. Pre-Bid Meeting | 11-12-2023 |
| 3. Online submission of e – Tender | 28-12-2023 |
| 4. Physical submission of EMD, e-Tender fee and other documents. | 30-12-2023 |
| 5. Opening of Tender (Technical bid) | 03-01-2024 (if possible) |
| 6. Verification of submitted documents (EMD, e - Tender fee, etc.) | 04-01-2024 |
| 7. Opening of Price Bid | 05-01-2024 (if possible) |
| 9. Bid Validity | 180 Days |
| For further details, pre-qualification criteria etc. visit www.nprocure.com | |

Volume-I

TECHNICAL SPECIFICATION

**Add. City Engineer
Water Works Department
Room No. 6, Second Floor
Central Zone, Dr. Ambedkar Bhavan
Dhebarbhai Road
Rajkot – 360 001**

RAJKOT MUNICIPAL CORPORATION

E-TENDER NO.RMC/WW/2023-24



BID DOCUMENTS FOR

SITC work of different size of Full bore type Electromagnetic Flowmeter with Level Sensor, Chlorine sensor & RTU panel at different head Works of Rajkot municipal corporation.(RE TENDER)

Total Volumes: _____ + _____ **Nos.**

Name of Bidder
M/s. _____

Receipt No.of e-Tender processing fee paid :

No: _____

Date: _____

e-Tender Fee :Rs.3000/-

FORMS OF PROPOSALS AND APPENDICES

Scope Of Work :

The scope of work involves the procurement, installation, testing and commissioning of flow meters, ultrasonic level sensors and Residual chlorine measurement system & RTU .

Above work include connecting data of full bore type electromagnetic flow meter, ultrasonic level sensor and chlorine sensor installed at different head works with central server system by VHF radio link at control room. And also these data should be link up with existing RMC web site as per our requirement and these data should be transmitted via SMS & to android and IOS smart phones by using GSM/GPRS Technology.

The approved make of the Flow Meters, Residual Chlorine Sensor and Ultrasonic water level sensor, Data Logger and accessories will be as under:

| Sr. No. | Product | Vendor(s) |
|----------------|--|---|
| (1) | Flow Meters, Ultrasonic Level Sensors, Chlorine Measurement System | Siemens, ABB, Krohne Marshall, E+H, GE, Aarohi Embedded System Pvt. Ltd. |
| (2) | Instrumentation Cables | Any ISO 9001-2008 Co. |
| (3) | Data-Logger/RTU & Indicator | E+H, Nivam, Nishko, Massibus, Mechatronics, Electronet, ABB, Honeywell, GE, Siemens, Phoenix Contact, Rockwell, Teltonica, Nimbus, Aarohi Embedded System Pvt. Ltd. |
| (4) | Enclosure, Battery & Mains Battery Charger. | Any ISO 9001-2008 Co. |
| (5) | Computers, Printers etc., | IBM, Dell, HP, Lenovo, SAMSUNG (Commercial Grade) |
| (6) | 7" touch screen LCD Display Unit | Arohi, Mechatronics, Samsung, Allen Bradely, Siemens, Beijar, VIPA |

-X-X-X-X-X-X-

A.E (Mech) Dy. Exe. Engineer (Mech) Add. City Engineer (WW)

RAJKOT MUNICIPAL CORPORATION
E-TENDER NOTICE
E-TENDER NO.RMC/WW/2023-24

1. The Rajkot Municipal Corporation invites e-tenders from bidders for SITC work of different size of Full bore type Electromagnetic Flowmeter with Level Sensor, Chlorine sensor & RTU panel at different head Works of Rajkot municipal corporation. (RE TENDER)
2. Bidders may obtain further information and acquire the bidding documents by visiting www.rmc.nprocure.com as per the milestone dates given below:

| Sr No | Name of work | 1)Tender Amount in Rs. 2) EMD 3) e-TENDER fee 4) Time limit of work |
|-------|--|--|
| 1 | SITC work of different size of Full bore type Electromagnetic Flowmeter with Level Sensor, Chlorine sensor & RTU panel at different head Works of Rajkot municipal corporation. .(RE TENDER) | 1) 55,85,500/- 2) 1,68,000/- 3) 3000/- 4) 6 Month |

| Milestone dates for e-tendering is as under | |
|---|--------------------------|
| 1. Downloading of e-Tender documents | 04-12-2023 to 28-12-2023 |
| 2. Pre-Bid Meeting | 11-12-2023 |
| 3. Online submission of e – Tender | 28-12-2023 |
| 4. Physical submission of EMD, e-Tender fee and other documents. | 30-12-2023 |
| 5. Opening of Tender (Technical bid) | 03-01-2024 (if possible) |
| 6. Verification of submitted documents (EMD, e - Tender fee, etc.) | 04-01-2024 |
| 7. Opening of Price Bid | 05-01-2024 (if possible) |
| 9. Bid Validity | 180 Days |
| For further details, pre-qualification criteria etc. visit www.nprocure.com | |

3. A complete set of bidding documents may be downloaded by interested bidders from www.rmc.nprocure.com
4. Two-bid procedure will be adopted. Bidders are to submit online details simultaneously; one containing the technical proposal and one containing the price proposal. Initially only the technical proposals will be opened. Technical proposals which are submitted by non-qualified bidders or which are not substantially responsive will be rejected.

5. The physical submission must be accompanied by a bid security of Rs.1,68,000/- as well as amount of Rs.3000/- in terms of e-Tender Fee (non-refundable) only in form of Demand draft in favor of Municipal Commissioner, Rajkot Municipal Corporation, Rajkot, from any Nationalized or Scheduled bank (except Co-operative Bank) in India and must be delivered to On or before Dt.28/12/2023 up to 18:00 hrs. The bid security and e-tender fee as well as all other required documents must be included with the physical submission by **RPAD / Speed Post** on address below on or before time:

**Dy. Engineer
Water Works Department
Room No. 12, Second Floor
East Zone, Zaverchand Meghani Bhavan
Bhavnagar Road
Rajkot –360003**

6. Bidders shall have to post their queries if any on e-mail address dytrivedi@rmc.gov.in on or before Dt. 11/12/2023 up to 18: 00 hrs.
7. The Tender Amount of the work is Rs.55,85,500/- whereas time limit of completion of commissioning is 06 months.
8. **The pre-qualification requirement is as under:**

Evaluation Criteria:

i) Financial Criteria:

- An average annual turnover of last seven financial years should not be less than the 50 % of tender amount.
- Working capital should not be less than 25 % of Tender Amount.
- solvency should not be less than 12 Lacs (Nationalized bank or scheduled bank & Certificate from co-operative bank will not be accepted)

ii) Experience Criteria:

- The bidder should have an experience of satisfactory completion of work of similar nature & magnitude in last seven years as **main contractor in Any Government or Semi government Organization.**
- One work of similar nature of 50 % of Tender Amount.
Or
- Two works of similar nature of 40 % of Tender Amount.
- The bidder should have required nos. of expertise and subordinate staff.
- Any experience of domestic OR tap water meter will not be considered.

iii) Availability of tools, plant, & manpower.

- The agency should have adequate number of tools, plant along with required experienced staff for carrying out this work. (Details of staff & tools with agency must be submitted in tech bid physically duly certified.)
- Joint venture is not permitted for this work.

iv) **Certified copy of Registration certificates/Documents as followed must be physically submit with authorized sign & stamp on each page of tech bid document.**

1. The Chartered Accountant's audited financial reports of last seven years supporting financial strength of the bidder.
2. Solvency certificate of current financial year from any Nationalize or Schedule Bank. **(Except co-operative bank)**
3. Experience certificates regarding this work issued by competent authority.
(3A form or Completion certificate)
4. Power of Attorney authorizing the person for signing the Tender and attending pre-Bid meetings and give any clarification asked by department.
5. The agency should not be **Black Listed / Terminated / Debarred or connectected** with firm blacklisted in any states, CPWD/MES/Railways or any Govt./semi Govt./autonomous body or pvt.body.also no complaint is lodged against the firm/company anywhere in India, for which, agency will have to submit fresh Notarized Affidavit on stamp paper of Rs.300. **(RMC Format)**
6. Enhance factor @ 10% per year will be applicable to arrive annual turnover and finalize the magnitude of work done in last seven years.
7. All required documents submitted for verification should be duly certified by Gazetted officer or self attested.
8. GST Registration No. must be submitted
9. PF Registration
10. ESIC Registration

Note :- SIMILAR JOB means bidder has carried out the job of supply, erection, testing and commissioning of Full Bore Type Electromagnetic Flowmeter, instrumentation, data communication and application software with GSM/VHF/UHF/GPRS based, web based, information systems with **minimum One (1) year experience** of comprehensive maintenance of city water supply.

- A. The online technical proposals will be opened on the same day i.e. Dt.03/01/2024 (If Possible) in the presence of bidders' representatives who choose to attend.
- B. The online price proposals will be opened in the presence of the bidder's representatives who choose to attend at the time and date and at *the*

address to be advised by the Employer after approval of the evaluation of the technical proposals.

- C. Bidder who fails to submit the required documents physically, their offer will be treated as non-responsive.
- D. Commissioner, Rajkot Municipal Corporation, Rajkot, reserves the right to accept / reject any or all e-Tender(s) without assigning any reasons thereof.

**Add. City Engineer
Water Works
Rajkot Municipal Corporation**

| | <u>Description</u> | <u>Page No.</u> |
|--|--------------------|-----------------|
|--|--------------------|-----------------|

Forms of Technical Proposal

Name of Contract: SITC work of different size of Full bore type Electromagnetic Flowmeter with Level Sensor, Chlorine sensor & RTU panel at different head Works of Rajkot municipal corporation. .(RE TENDER)

.

To: Add. City Engineer,
Water Works,
Rajkot Municipal Corporation,
Dr. Ambedkar Bhavan,
Dhebarbhai Road,
Rajkot - 360 001

Gentlemen:

We have examined the Conditions of Contract, Schedules, Addenda Nos _____ and the matters set out in the Appendix hereto. We have understood and checked these documents and have not found any errors in them. We accordingly offer to design, execute commission and to maintain for the Five years the said Works and remedy any defects, fit for purpose in conformity with these documents and the enclosed Proposal.

We further undertake, if invited to do so by you, and at our own cost, to attend a clarification meeting at a place of your choice, for the purpose of reviewing our Technical Proposal and duly noting all amendments and additions thereto, and noting omissions there from that you may require, and to submit a supplementary price proposal if the amendments, additions and omissions that you require would alter our price proposal as submitted with our bid.

We are, Gentlemen
Yours faithfully

Signature _____ in the capacity of _____
duly authorized to
sign bids for and on behalf of

Address

| | | |
|----------|--|--|
| 1 | FORMS OF PROPOSALS AND APPENDICES | |
| 2 | INSTRUCTIONS TO TENDERER | |
| 3 | GENERAL CONDITIONS OF CONTRACT | |
| 4 | QUALIFYING CRITERIA | |
| 5 | Instrumentation System Design Criteria | |
| 6 | CLARIFICATION OF SPECIFICATIONS | |
| 7 | UNDERTAKING FOR GUARANTEE | |

INDEX

SCHEDULE - V

LIST OF MAINTENANCE TOOLS AND TACKLES

The Bidder shall give below the list of special maintenance tools and tackles offer by him and included in the prices quoted by him.

| SL. NO. | PARTICULARS | NUMBERS |
|---------|-------------|---------|
| | | |

SIGNATURE

NAME

DESIGNATION

COMPANY

DATE

COMPANY SEAL

SCHEDULE VI**PROJECT EXECUTION PLAN (PEP)**

The Bidder is required to furnish Project Execution Plan (PEP) in the following format. A brief but clear PEP is required for describing planning and programming of the works.

- a) Project Strategy: Outline statement of the organization and methods to be employed by the applicant to undertake the work.
- b) Organization Chart: Preliminary Organization Chart indicating relationship between the site management and the head branch office, the on site direct works operations, the sub-contractors, suppliers and the supervising Consulting Engineer.
- c) Responsibility of Key Personnel: Identify key personnel with management responsibilities by activity or section of work.
- d) Quality Management System: Provide a description of the Quality Assurance / Quality Control System: organization and procedures in use and identify the accreditation authority.
- e) Project Safety Plan: Provide a statement outlining the Health and Safety Plan operated by the company.
- f) Contractor shall indicate any permanently established groups within the organization which would provide specific functions in the execution of the contract.
- g) Program/Bar Chart showing major activities.

Signature
Name
Designation
Company
Date

FORM OF CONTRACT AGREEMENT

AGREEMENT

THIS AGREEMENT made the ____ day of _____ 20_____ between

of _____
_(hereinafter called “the Employer”) of the one part
and _____ of _____ (hereinafter called “the
Contractor” of the other part.

WHEREAS the Employer is desirous that certain Works should be executed by the
Contractor, viz., _____

and has accepted a Bid by the Contractor for the execution and completion of such
Works and the remedying of any defects therein at a cost of
Rs. _____

And _____.

NOW THIS AGREEMENT WITNESSETH as follows:

In this Agreement, words and expressions shall have the same meanings as are
respectively assigned to them in the Conditions of Contract hereinafter referred to.

The following documents shall be deemed to form and be read and construed as
part of this Agreement, viz:

- a) The Contract Agreement;
- b) The Letter of Acceptance;
- c) The Employer’s Requirements;
- d) The Bid;
- e) The Instructions To The Bidder
- f) The General Conditions of Contract
- g) The Specifications;
- h) The Bid Drawings;
- i) The Schedules; and
- j) The Contractor’s Proposal

In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.

The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Work and the remedying of defects therein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of

_____ was
hereunto affixed in the presence of:

_____ or _____

Signed, sealed, and delivered by the said _____
in the presence of:

Binding Signature of Employer

Binding Signature of Contractor

TENDER DECLARATION FORM

To

Project:

Reference:

Dear Sir,

- a) I/We the undersigned have carefully gone through and clearly understood the e-Tender documents comprising Notice Inviting e-Tenders, Articles of Agreement, Scope of work, Definition of terms, Instructions to e-Tenderer, Conditions of Contract, Special Conditions of Contract, Appendixes, Specifications, Schedule of Quantities and Tendered Drawings furnished by RAJKOT MUNICIPAL CORPORATION, RAJKOT. I/We have satisfied myself/ourselves as to the location of site, examined drawings.

I/We do hereby offer to execute and complete the whole of the work within the time specified all in accordance with the specifications, designs, drawings and instructions in writing referred to in the said documents and with such materials as are provided for, at the respective rates which I/we have quoted in the Schedule - A (PRICE BID) or at such other rates as may be fixed under the provisions of these conditions.

In the event of this e-tender being accepted I/we agree to enter into an agreement as and when required and execute the contract, according to your Form of Agreement or in default where of I/we bind myself/ourselves to forfeit the 'Earnest Money Deposit'.

- a) I/We understand that if I/We shall not enter in agreement within ten days or decided by RMC from the date of receipt of letter of acceptance, you will forfeit the Earnest Money paid by me/us and take necessary action as deemed fit.

I/We have enclosed a DRAFT as an “**Earnest Money Deposit**”, for the sum of **Rs.1,68,000/-** the full value of which is to be absolutely forfeited to the Employer should I/We fail to commence the works specified. Otherwise the Employer shall retain the said sum, 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 e-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 e-tender.

I/We agree to pay the Government Income-Tax, GST, Sales Tax (Central and State) Sales tax on Construction, Octroi duties and other taxes prevailing from time to time on such items on which the same are leviable and the rates quoted by me/us are inclusive of the same.

Date: _____

Yours faithfully,

- a) Signature of Contractor
- b) Address:

CHECK LIST

1. Tenders to be submitted in '**ORIGINAL**'.
2. Tenderers to note last date and time of submission of e-Tender. Tender should make submission of required documents physically within the stipulated date and time. Late physical will not be accepted.
3. Tender Security Bond for Earnest Money Deposit shall be submitted as per Article IT - 07 (Earnest Money Deposit).
4. Variation to specifications, if any, is clearly mentioned giving reference of Page No. Etc.
5. All information as demanded shall be supplied fully - Insufficient details will make the tender liable to be rejected.
6. Information regarding Capability etc. as per clause No. IT - 12 (General Performance Data) shall have to be submitted.
7. The tender shall be filled completely in every respect.

A.E (Mech) Dy.Exe.Engineer (Mech) Add. City Engineer (WW)

INSTRUCTIONS TO TENDERER

IT - 1. GENERAL

The contract documents may be secured in accordance with the Notice Inviting Tender for the work called. The work shall include supply of materials necessary for construction of the work.

IT - 2. INVITATION TO TENDER

The RMC hereinafter referred so as the RMC will receive tenders for the work of as per the specifications and schedule of prices in the e-tender document. The e-tenders shall be opened in the office of the RMC in the presence of tenderers or their representatives who are present. RMC reserves the right to reject the lowest or any other or all tenders or part of it which in the opinion of the RMC does not appear to be in its best interest, and the tenderer shall have no cause of action or claim against the RMC or its officers, employees, successors or assignees for rejection of his tender.

IT - 3. LANGUAGE OF e-TENDER

E-Tenders shall be submitted in English, and all information in the e-tender shall also be in English, Information in any other language shall be accompanied by its translation in English. Failure to comply with this may make the e-tender liable to rejection.

IT - 4. QUALIFICATIONS OF TENDERERS

i) Financial Criteria:

- An average annual turnover of last seven financial years should not be less than the 50 % of tender amount.
- Working capital should not be less than 25 % of Tender Amount. A Bank certificate to be submitted (Certificate from co-operative bank will not be accepted).
- solvency should not be less than 12 Lacs (Nationalized bank or scheduled bank & Certificate from co-operative bank will not be accepted)

ii) Experience Criteria:

- The bidder should have an experience of satisfactory completion of work of similar nature & magnitude in last seven years as **main contractor in Any Government or Semi government Organization.**
- One work of similar nature of 50 % of Tender Amount.
Or
- Two works of similar nature of 40 % of Tender Amount.
- The bidder should have required nos. of expertise and subordinate staff.
- Any experience of domestic OR tap water meter will not be considered.

iii) **Availability of tools, plant, & manpower.**

- The agency should have adequate number of tools, plant along with required experienced staff for carrying out this work. (Details of staff & tools with agency must be submitted in tech bid physically duly certified.)
- Joint venture is not permitted for this work.

iv) **Certified copy of Registration certificates/Documents as followed must be physically submit with authorized sign & stamp on each page of tech bid document.**

1. The Chartered Accountant's audited financial reports of last seven years supporting financial strength of the bidder.
2. Solvency certificate of current financial year from any Nationalize or Schedule Bank. **(Except co-operative bank)**
3. Experience certificates regarding this work issued by competent authority.
(3A form or Completion certificate)
4. Power of Attorney authorizing the person for signing the Tender and attending pre-Bid meetings and give any clarification asked by department.
5. The agency should not be **Black Listed / Terminated / Debarred or connectected** with firm blacklisted in any states, CPWD/MES/Railways or any Govt. semi Govt. autonomous body or pvt. body. also no complaint is lodged against the firm/company anywhere in India, for which, agency will have to submit fresh Notarized Affidavit on stamp paper of Rs.300. **(RMC Format)**
6. Enhance factor @ 10% per year will be applicable to arrive annual turnover and finalize the magnitude of work done in last seven years.
7. All required documents submitted for verification should be duly certified by Gazetted officer or self attested.
8. GST Registration No. must be submitted
9. PF Registration
10. ESIC Registration

Note :- SIMILAR JOB means bidder has carried out the job of supply, erection, testing and commissioning of Full Bore Type Electromagnetic Flowmeter, instrumentation, data communication and application software with GSM/VHF/UHF/GPRS based, web based, information systems with **minimum One (1) year experience** of comprehensive maintenance of city water supply.

- A. Tenderer shall submit only one e-tender for the work put to e-tender under this contract.
- B. The tenderer shall furnish a written statement with details as to the following along with his e-tender.
 - i. **The tenderer's experience in the fields relevant to this contract.**
 - ii. **The tenderer's financial capacity/resources and standing over at least 7 (SEVEN) years.**
 - iii. **The tenderer's present commitments (Jobs on hand).**
 - iv. **The tenderer's capability and qualifications of himself and his regular staff etc.**
 - v. **Plants and Machinery available with the tenderer for the work tendered.**

The owner or the Engineer-in-Charge is not obliged to disclose his findings or his assessment.
- C. In order to enable RMC to decide about the eligibility of the tenderer for the Pre-qualification considering the data furnished by him in the Technical Bid, the matter will be examined by a Technical Committee, appointed by RMC which may apart from examining the records and data as furnished may also inspect the works executed and completed by the tenderer. The tenderer shall make all arrangements for such inspection and shall furnish any information, data or record as may be required and asked for by the Technical Committee failing which the tenderer may not be considered eligible for Pre-qualification.

IT - 5. e-TENDER DOCUMENTS

Printed documents and set of drawings shall comprehensively be referred to as e-Tender document. The several sections form in the document are the essential parts of the contract and a requirement occurring in one shall be as binding as though occurring in all, they are to be taken as mutually, explanatory and describe and provide for complete works.

IT - 6. EXAMINATION BY TENDERERS

- A. At his own expense and prior to submitting his e-tender, each tenderer shall (a) examine the Contract Documents, (b) visit the site and determine local conditions which may affect the work including the prevailing wages and other pertinent cost factors, (c) familiarize himself with all central, state govt. and local laws, ordinance, rules regulations and codes affecting the material supply including the cost of permits and licenses required for the work and (d) correlate his observations, investigations, and determinations with the requirements of the e-Tender Documents, site & subsoil investigation.
- B. The e-tender quantity is fixed as per schedule enclosed herewith. During execution any increase or decrease in quantity- it will be paid as per the Tender Clause.
- C. The following comprises in Contract Documents.

Volume-I

Pre-qualification Documents

PART-I

1. Notice inviting Tenderers
2. Information to the Tenderer
3. Tender Declaration Form
4. Check List
5. Instructions to Tenderer
6. General Conditions of Contract
7. Appendixes & Statements
8. Detailed Technical Specifications

PART-II

1. Preamble
2. Price Schedule

IT - 7. EARNEST MONEY DEPOSIT AND TENDER FEE.

- A. Each e-tender must be accompanied by a receipt of deposit as e-tender guarantee in the form of Earnest Money as detailed below in the form of crossed Demand Draft of any Nationalized Bank to be encased at Rajkot Branch acceptable to owner drawn in favor of the RMC. Any e-tender not accompanied by a e-tender guarantee in the form of earnest money deposited for the sum stipulated in the e-tender Document will be summarily rejected. Amount of E.M.D. is 3 % of estimated cost of Rs.1,68,000/-
- B. The Earnest Money Deposit will be refunded to the unsuccessful tenderers after the award has been finalized.
- C. The Earnest Money Deposit (e-Tender Guarantee) will be forfeited in the event, the successful tenderer fails to accept the contract and fails to submit the "Performance Guarantee Bonds" to the Owner as stipulated in these e-tender documents within ten days. (10) Days after receipt of notice of award of contract.
- D. The Earnest Money Deposit of the successful tenderer shall be converted into Security Deposit amount after acceptance of the e-tender.
- E. No interest shall be paid by the owner on any e-Tender Guarantee.
- F. Tender fee will not be refundable.

IT - 8. INCOME TAX CLEARANCE CERTIFICATE (Deleted)

IT - 9. PREPARATION OF e-TENDER DOCUMENTS

Tenderers are required to note the following while preparing the e-Tender Documents:

- A. e-Tender shall be submitted on the e-Tender Form bound here in English. All appendixes and statements shall be properly filled in. Numbers shall be stated

both in words and in figures where so indicated, and the signature of all persons signing shall be in long hand.

- B. Each e-tender shall be accompanied by the prescribed e-tender security bond and other required documents and drawings. All witnesses and sureties shall be persons of status and probity and their full names, occupations and addresses shall be stated below their signature.
- C. Variation to the contract Documents requested by the tenderer may be affixed and duly signed and stamped. Such variations may be refused by the authority is not obliged to give reason for his decisions.
- D. Submission of e-tenders shall comply with the notice inviting e-tenders as to place, date and time. e-Tenders and tender security (E.M.D.) shall be enclosed with the e-tender documents and shall be put in a sealed envelope.

IT - 10. SUBMISSION OF e-TENDER DOCUMENTS

- a) Tenderers are requested to submit the e-Tender Documents on following lines.
- b) Volume containing following documents:

Volume-I

- i. e-Tender Security Bond (Earnest Money Deposit and tender fee)
- ii. Tender's financial capability and standing over at least past Seven years.
- iii. Tenderer's experience in the field relevant to this contract.
- iv. Tenderer's present commitment.
- v. The technical ability and qualifications of the tenderer, his regular staff and any sub vendor their in.
- vi. A list of the equipment the tenderer possesses and that which he proposed to acquire and use for the purpose related to the work.

Volume-II - Price Bid

- a) The e-tender must contain the name address and residence and place of business of the person or persons submitting the tender and must be signed and sealed by the tenderer with his usual signature.
- b) E-Tenders by Partnership Firm must be furnished with the full names and addresses of all partners and be signed by one of the members of the Partnership or by a legally authorized representative holding Power of Attorney followed by signature and designation of the person of person signing.
- c) The President/or by the Secretary or other person or persons legally authorized to bind the Corporation/Company in the matter must sign tenders by Corporations / Companies with the legal name of the Corporation / Companies.

IT - 11. e-TENDER VALIDITY PERIOD

The validity period of the e-tender submitted for this work shall be of one hundred Eighty (180) calendar days from the date of opening of the tender and that the tenderer shall not be allowed to withdraw or modify the tender offer on his own during the validity period. The tenderer will not be allowed too withdrawn the tender or make any modifications or additions in the terms and conditions on his own tender. If this is done then the owner shall without prejudice to any other right or remedy, be at liberty to reject the e-tender and forfeit the earnest money deposit in full.

IT - 12. GENERAL PERFORMANCE DATA

Tenderers shall present all the information, which sought for in the tender document in form of various schedules. Tenders may not be considered if every 'Blank' and the schedules are not properly filled in before submission of the tender.

IT - 13. SIGNING OF e-TENDER DOCUMENTS

If an individual makes the tender it shall be signed with his full name above his current address. If a proprietary firm makes the tender it shall be signed by the proprietor above his name and the name of his firm with his current address.

- a) If the e-tender is made by a firm in partnership, it shall be signed by all the partners of the firm above their full names and current address, or by a partner holding the Power of Attorney for the firm, in which case a certified copy of the Power of Attorney shall accompany the Tender. A certified copy of the Partnership Deed, current addresses of all the partners of the firm shall also accompany the e-tender.
- b) If a limited company or a Limited Corporation makes the e-tender, a duly authorized person holding the Power of Attorney shall sign it, shall accompany the e-tender. Such Limited Company or Corporation may be required to furnish satisfactory evidence of its existence before the contract is awarded.
- c) If the e-Tender is made by a group of firms, the sponsoring firm shall submit complete information pertaining to each firm in the group and state along with the bid as to which of the firms shall have the responsibility for tendering and for completion of the contract documents and furnish evidence admissible in law in respect of the authority to such firm on behalf of the group of firms for e-tendering and for completion of contract documents. The full information and satisfactory evidence pertaining to the participation of each member of the group of firms in the e-e-tender shall be furnished along with the e-Tender.
- d) All witnesses and sureties shall be persons of status and proxy and their full names, occupations and addresses shall be stated below their signatures. All signatures in the e-tender document shall be dated.

IT - 14. WITHDRAWAL OF TENDERS

If, during the e-Tender validity period, the Tenderer withdraws his tender, the e-Tender Security (Earnest Money) shall be forfeited.

IT - 15. INTERPRETATIONS OF TENDER DOCUMENTS

Tenderers shall carefully examine the Tender Document and fully inform themselves as to all the conditions and matters, which may in any way affect the work or the cost thereof. Should tenderer find discrepancies, or omission from the specifications or other documents or should be in doubt as to their meaning, he should at once address query to the Municipal Commissioner (RMC). Any resulting interpretation of the Tender will be issued to all Tenderers as addendum.

IT - 16. ERRORS AND DISCREPANCIES IN TENDERS

In case of conflict between the figures and words in the rates the rate expressed in words shall prevail and apply in such cases.

IT - 17. MODIFICATION OF DOCUMENTS

Modification of specifications and extension of the closing date of the tender, if required will be made by an addendum and same will be uploaded as well as copies of each addendum will be sent to all tenderers. These shall be signed and shall form a part of tender. The tenderer shall not add to or amend the text of any of the documents except in so far as may be necessary to comply with any addendum.

ADDENDA

Addenda form part of the Contract Documents, and full consideration shall be given to all Addenda in the preparation of tender. Tenderers shall verify the number of Addenda issued, if any and acknowledge the receipt of all Addenda in the Tender Failure to so acknowledge may cause the tender to be rejected.

- A. The Owner of the incharge may issue Addenda to advise Tenderers of changed requirements.

Such addenda may modify previously issued Addenda.

- B. No addendum may be issued after the time stated in the notice inviting tenders.

IT - 18. TAX AND DUTIES ON MATERIALS

All charge on account of Octroi, Custom, GST, Excise Duties, terminal tax, sales tax and other duties etc. on materials obtained for the works from any source shall be borne by the contractors. No (P) or 'C' or 'D' form shall be supplied.

IT - 19. EVALUATION OF TENDERS

In comparing tenders the RMC shall consider such factors as the time of completion, efficiency and reliability of construction method proposed, compliance with the specifications, relative quality, the operation, maintenance and replacement cost of structure and plant. Evaluation criteria specifically mentioned in the specification will also be taken into consideration in the evaluation of tenders.

IT - 20. TIME REQUIRED FOR COMPLETION

The completion period mentioned in this schedule is to be reckoned from the date of notice to proceed (Work Order). **Total completion period is 6 (six) calendar months from the date of issue of Notice to proceed** and contractor should adhere to this completion time.

IT - 21. POLICY FOR TENDER UNDER CONSIDERATION

Tender shall be termed to be under consideration from the opening of the tender until such time any official announcement or award is made.

While tenders are under consideration, tenderers and their representative or other interested parties are advised to refrain from contacting by any means any corporation's personnel or representatives on matters related to the tenders under study. The RMC representatives if necessary will obtain clarification on tenders by requesting such information from any or all the tenderers, either in writing or through personal contact, as may be necessary. The tenderer will not be permitted to change the substance of his tender after tenders have been opened. This includes any post tender price revision. Noncompliance with his provision shall make the tender liable for rejection.

IT - 22. PRICES AND PAYMENTS

The tenderer must understand clearly that the prices quoted are for the total works or the part of the total works quoted for and include all costs due to materials, labor, equipment, supervision, other services, royalties, octroi, GST, taxes etc. and to include all extra to cover the cost. No claim for additional payment beyond the prices quoted will be entertained and the tenderer will not be entitled subsequently to make any claim on any ground.

IT - 23. PAYMENT TERMS

The terms of payment are defined in the General Conditions of Contract. The RMC shall not under any circumstances relax these terms of payment and will not consider any alternative payment terms. Tenderers should therefore in their own interest note this provision to avoid rejection of their tenders.

IT - 24. AWARD

- A. After all contract contingencies are satisfied and the Notice of Award is issued, the successful Tenderer shall execute the Contract Agreement within the time stated in the Notice inviting Tenders and shall furnish the Bond as required herein. The contract Agreement shall be executed, in form stipulated by the Owner.

- B. If the Tenderer receiving the Notice of Award fails or refuses to execute the Contract Agreement within the stated time limit of fails or refuses to furnish the Bond as required herein. The Owner may annul his award and declares the tender security forfeited and will take action as deemed fit.
- C. A Corporation, Partnership Firm or other consortium acting as the Tenderer and receiving the award shall furnish evidence of its existence and evidence that the officer signing the Contract Agreement and Bonds for the Corporation, Partnership Firm or other consortium acting as the Tenderer is duly authorized to do so.

IT - 25. SIGNING OF CONTRACT

The successful tenderer shall be required to **execute the contract agreement within 10 day of receipt of intimation** to execute the contract, failing which the RMC will be entitled to annul the award and forfeit the Earnest Money Deposit. The person to sign the contract document shall be person as detailed in Article IT. 13 (signing of tender documents).

IT - 26. DISQUALIFICATION

A tender shall be disqualified and will not be taken for consideration if,

- a. The tender Security Deposit is not deposited in full and in the manner as specified (as per Article IT. 7 i.e. Earnest Money Deposit and tender fee).
 - b. The tender is in a language other than English or does not contain its English Translation in case of other language adopted for tender preparation.
 - d. The tender documents are not signed by an authorized person (as per Article IT.13 i.e. signing of tender documents).
 - e. The general performance data for qualification is not submitted fully (as per Article IT 12 i.e. General Performance Data).
 - f. Tender does not agree to payment terms defined (as per Article IT. 23 i.e. payment terms).
- A. A tender may further be disqualified if,
- a. Price variation is proposed by the Tenderer on any principle other than those provided in the Tender Documents.
 - b. Completion schedule offered is not consistent with the completion schedule defined and specified in tender document.
 - c. The validity of tender is less than that mentioned in Article IT. 11 i.e. tender validity period.
 - d. Any of the page or pages of tender is / are removed or replaced.
 - e. All corrections or posted slips are not initiated by tenderer.
 - f. Any erasure is made in the tender.
 - g. Any condition which affect the cost.

IT - 27. PERFORMANCE GUARANTEE (SECURITY DEPOSIT)

As a contract security the tenderer to whom the award is made shall furnish a performance guarantee (Security Deposit) for the amount of **5% of the contract price for a period of 9 months** to guarantee the faithful performance, completion and maintenance of the works of the contract in accordance with all conditions and terms specified herein and to the satisfaction of the Engineer-in-charge and ensuring the discharge of all obligations arising from the execution of contract in one of the forms mentioned below:

- a. By demand draft on the RAJKOT Branch of any Schedule or Nationalized Bank except co operative bank.
- b. A fixed deposit receipt of any Schedule Bank or Government securities duly endorsed in favor of the RMC.
- c. Bank Guarantee of any Schedule Bank other than the Co-operative Bank or Private bank which could be encased at Rajkot Branch. Revalidate period of guarantee shall not be less than six year. The Bank Guarantee shall be unconditional and irrevocable.
 - a) The performance guarantee shall be delivered to the RMC within ten (10) days of the notice of award and at least three (3) days before the contract agreement is signed unless otherwise specified by the Engineer-in-charge.
 - b) On due performance and completion of the contract in all respects, the performance guarantee will be returned to the contractor without any interest after the defect liability period is over.

IT- 28. STAMP DUTY

The successful tenderer shall have to enter into **an agreement on a non-judicial stamp paper of prevailing rate** as decided by government as per the form of the agreement approved by the RMC. The cost of stamp paper and adhesive stamp shall be borne by the contractor.

IT- 29. BRAND NAMES

Specific reference in the specifications to any material by manufacturer's name, or catalogue shall be constructed as establishing a standard or quality and performance and not as limiting competition and the tenderer in such cases, may at his option freely use only other product, provided that it ensures an equal of higher quality than the standard mentioned and meets RMC approval.

IT- 30. NON TRANSFERABLE

Tender documents are not transferable.

IT - 31. COST OF TENDERING

The owner will not defray expense incurred by tenderers in tendering.

IT - 32. EFFECT OF TENDER

The tender for the work shall remain for a period of 180 calendar days from the date of opening of the tenders for this work and that the tenderer shall not be allowed to withdraw or modify the offer in his own during the period. If any tenderer withdraws or makes any modification or additions in the terms and conditions of his own tender, then the RMC shall, without prejudice to any other right or remedy, be at liberty to reject the tender and forfeit the earnest money in full.

IT - 33. CHANGE IN QUANTITY

The RMC reserves the right to vary the quantities of items or group as specified in the scheduled of prices as may be necessary.

IT - 34. NEW EQUIPMENT AND MATERIAL

All materials, equipment and spare parts thereof shall be new, unused and originally coming from manufacturer's plant to the corporation. The rebuilt or overhauled equipment/materials will not be allowed to be used on works.

IT - 35. RIGHTS RESERVED

The owner reserves the right to reject any or all tenders, to waive any informality or irregularity in any tender without assigning any reason.

The owner further reserves the right to withhold issue of work order even after agreement and no additional payment will be made to the successful tenderer on account of such withholding. The owner is not obliged to give reasons for any such action.

IT - 36. RIGHT OF OWNER

RMC reserves right to reduce the scope of work & award the tender to two or more agencies without assigning any reason even after the awards of contract.

IT - 37. MOBILIZATION ADVANCE

No mobilization advance will be given.

IT - 38. CONDITIONAL TENDER

- (a) The scope of work is clearly mentioned in the tender documents. The contractor shall have to carry out the work in accordance with the details specifications. No condition will be accepted. The conditional tender will liable to be rejected.
- (b) The tenderer, if he so wishes based upon his experience to propose any variation or modification in the type of construction, materials and / or specifications etc., he may furnish his proposals in full details IN THE TECHNICAL BID ONLY, stating each of the variation or modification proposed, details of his proposal over the provisions in the tender including the cost aspects. The tenderer shall however ensure that his proposals will not result into any change in the General requirement of tender. The Technical Committee of RMC will consider and examine such proposals, and if required may also inspect the works executed with such alternative proposals and convey the decision in the matter before opening of the Financial Bid.

It is compulsory to quote the prices for main offer without which alternate offer will not be considered.

IT - 39. Pre-Meeting Address

Pre-Bid meeting On Dt.26/10/2023 at 12:00 noon on following Address

**Office of add.city engineer sir,
Water Works Dept.
Room no. 6, 2ⁿ^d Floor,
Rajkot Municipal Corporation
Central Zone, Dr. Ambedkar Bhavan
Dhebarbhai Road,
RAJKOT - 360 001**

A.E (Mech) Dy. Exe. Engineer(Mech) Add.City Engineer (WW)

QUALIFYING CRITERIA

STATEMENT - A

01. Name of tenderer, full address, contact person and phone & fax nos.
02. Whether the firm is a Joint Stock Co., Undivided Hindu Family, Individual or Registered Partnership Firm. (Attested copy of Deeds or Articles of Association to be enclosed).
03. Name or person holding the Power of Attorney. (Attested copy of Power of Attorney to be enclosed).
04. Name of Partners with their Liabilities. (Attested copy of Partnership Deed to be enclosed).
05. Name of Bankers and Full Address.
06. Organization of Firm
07. Technical Qualification and Experience of the Proprietor or Partners & Leading Technical Employees in the Firm.
08. Details of Technical and Supervisory Staff proposed to be deployed on this Project.
 - a) Name
 - b) Qualification
 - c) Status
 - d) Experience in years
 - e) Date of Joining the Firm
09. **The following Undertaking shall be submitted:**
 - a. **I/We hereby certify that I/We am/are not Partner(s) blacklisted / terminated / debarred or connected with firm blacklisted in any state, C.P.W.D., M.E.S. / or Railways or any Government, Semi-Government or Private Body.**
 - b. **At present I/We am/are Registered as Approved Contractor(s), Firms in any State, C.P.W.D., M.E.S. or Railways.**
 - c. **We, the Partners / Owners of his Firm, hereby give an Undertaking that we are jointly and severally responsible to meet all the Liabilities ever and above the business of this firm and make good the above Financial Loss sustained by the RAJKOT MUNICIPAL CORPORATION as a result of our abandoning the works entrusted to us i.e. this firm.**

STATEMENT - B

(Details of work of similar type and magnitude carried out by the Tenderer in last seven years)

Name of the Contractor / Company

| Sr. No. | Name of work | Name of owner with address, phone and fax No. | Tendered Cost in Rs. | Time for and Date of Completion | Special Features |
|---------|--------------|---|----------------------|---------------------------------|------------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
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Note: A photo copy of completion certificate issued by competent authority of owner shall have to be furnish.

STATEMENT – D**(Details of Plant of Machinery to be deployed on this Work)**

Name of the Contractor / Company

| Sr. No. | Name of Plants / Machinery | Nos. Available (with make & Year) | Location at present | Nos. proposed to be deployed this Project (available or to be procured) | Present Value of Plant / Machineries |
|---------|----------------------------|-----------------------------------|---------------------|---|--------------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
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NOTE: Plant. Machineries which is / are proposed to be procured shall be procured at the earliest after the award of the work and before the start of the work.

STATEMENT - E**(Details of Technical Personnel with the Tenderer)**

Name of the Contractor / Company

| Sr. No. | Description | Name | Qualification | Professional Experience | Remarks |
|---------|-------------|------|---------------|-------------------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
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NOTE: Plant. Machineries which is / are proposed to be procured shall be procured at the earliest after the award of the work and before the start of the work.

STATEMENT – F

INFORMATION REGARDING FINANCIAL CAPACITY OF THE CONTRACTORS

Name of the Contractor / Company

| Sr. No. | Details | Amount (Rs. in lacs) | Remarks |
|---------|--|----------------------|---|
| 1. | Working capital | | A Banker's Certificate may please be attached |
| 2. | Annual Turnover | | A copy of annual Audited report certified by Chartered Accountant to be attached. |
| | 2021-22 | | |
| | 2020-21 | | |
| | 2019-20 | | |
| | 2018-19 | | |
| | 2017-18 | | |
| | 2016-17 | | |
| | 2015-16 | | |
| 3. | Price of biggest job carried out in recent past. | | |

NOTE:-

The bidder should have fund based working capital like over draft, cash credit, term loan etc. for which bidder to submit sanction letter from bank. If in balance sheet surplus and reserve are sufficient same can also be considered as a working capital. The solvency certificate cannot be considered as a working capital as same is not fund based credit.

STATEMENT: G
FORM OF CONTRACT AGREEMENT

THIS AGREEMENT made this _____ day of _____ by and between the RMC hereinafter called RMC and _____ hereinafter called "The Contractor".

WITNESSETH

Whereas, RMC has caused Specifications Drawings and other Contract documents to be prepared for certain works described as _____ and

Whereas Contractor has offered to perform the proposed works in accordance with the terms of the Contract Documents.

Now, therefore, in consideration of the natural covenants and Agreements of the parties herein contained and to be performed, contractor hereby agrees to complete the works at prices and on the Terms and Conditions herein contained and RMC hereby employees the contractor and agrees to pay him the contract prices provided herein for the fulfillment of the works and the performance of the covenants set forth herein.

The further terms, conditions and covenants of the contract, are set forth in the following exhibit parts each of which is attached hereto and by this reference made a part hereof.

- (a) The said tender and Appendix there.
- (b) The Pre-qualification Bid (Volume I-A).
- (c) The Conditions of Contract and Annexure thereto. (Volume I-B)
- (d) The Guarantee Bond.
- (e) The Specifications and Drawings.
- (f) The Price Bid (Volume II)
- (g) All Correspondence

The consideration of the payments to be made by the RMC to the Contractor as hereinafter mentioned, the contractor hereby covenants with the RMC to execution the works in conformity with the provision of the Contract.

The RMC hereby covenants to pay the contractor in consideration of the diligent and proper execution of the works the contract price at the time and in the manner prescribed by the Contract.

IN WITNESS WHEREOF, this Agreement has been executed in duplicate on the day and year first above written.

 Contractor

A.E (Mech) Dy. Exe.Engineer (Mech) Add. City Engineer (WW)

Instrumentation System Design Criteria

(ELECTROMAGNETIC FULL BORE TYPE FLOW METER)

1. The design criteria to be applied to instrumentation systems shall be as follows:
 - (a) All instruments shall be suitable for continuous operation.
 - (b) All transmitting instruments shall have a 4 - 20 mA linear output.
 - (c) All digital outputs shall be volt free.
 - (d) All instruments shall be designed for the ambient conditions of temperature and humidity.
 - (e) All wetted parts of instruments sensors shall be non-corrosive and suitable for use with potable water containing residual chlorine.
 - (f) All instrumentation systems for use out of doors shall be protected to IP 68.
 - (g) All analogue displays shall be of the digital type with no moving parts.
 - (h) Instrumentation shall utilize solid state electronic microprocessor technology and avoid the use where practical of any moving parts.
 - (i) Instruments shall resume operation automatically on application of power following a power failure.

2. Flow meters

- 2.1 Full Bore Electromagnetic Type Flow meters shall be provided on the of the pumping station. Flow computer/ converter shall be microprocessor based and shall have self diagnosis facilities.

General Requirement:

- (a) Flow measuring system shall consist of Flow Meter, Flow Computer and flow transmitter, digital flow indicator with interface to Data-logger and any other item required to complete the system.
- (b) Flow meter shall be rugged in construction and shall be suitable for continuous operation suitable for outdoor installation in chambers.
- (c) To avoid the effects of disturbances in the velocity profile, a straight and uninterrupted run, upstream as well as downstream from the location of the flow sensor shall be provided, as required by the flow meter manufacturer.
- (d) Contractor shall finalize the exact location of flow transducers in consultation with Engineer's Representative.
- (e) The flow transmitter shall be suitable for field mounting and shall accept input from the flow meter. It shall process the input signal and provide 4-20 mA output proportional to flow rate. Flow transmitters shall have backlit LCD/LED display to indicate instantaneous flow rate. The flow range shall be adjustable.
- (f) Flow measurement shall not be affected by physical properties of water viz. temperature, pressure, viscosity, density etc., within given limits. Contractor shall provide compensating electronic circuits, if required.
- (l) Material inspection & flow meter testing shall be carried out at manufacturer site by Agency and RMC Representative jointly. **Inspection charges shall be borne by Agency.** All necessary test certificates must be produced at the time of delivery.

Note : Those materials which are to be supplied for SITC under this Tender will be inspected by RMC officials & TPI agency approved by RMC. Its quality Acceptance Certificate must be produce with materials. **The cost of TPI is to be borne by Contractor.** No any extra payment will be given to the contractor for the same. The TPI will be from any Govt. undertaking agency. i.e RITES, WAPCOS, SGS or any suggested by RMC. Two person from RMC & One person from TPI will come for TPI Inspection. Agency has to make necessary arrangements at his own cost.

- (m) After Material received at site Concerned Engineer – in charge shall carry out the physical verification regarding material received in good and acceptable condition as well as Third Party Mark.
- (n) **The overall accuracy of flow measuring systems shall be at least +/- 0.5% of the measured value.**
- (o) Electromagnetic flow meters shall be provided on **Incoming line (MS) & Supply Line (DI)** of each pumping station.
- (p) The flow meter output shall be compatible with Data logger / Application Software.
- (q) Deleted
- (r) The Flow meter shall be capable of monitoring and displaying the following:
Flow Rate: Forward, Reverse, Net Flow & totals, Velocity
- (s) The Flow sensor shall be rated IP 68 and be suitable for indefinite submergence to a depth of 10 meters.
- (t) The Electronic display unit shall be protected to IP68.
- (u) The remote transmitter shall be capable of mounting up to 200m away from the sensor.
- (v) The software for meter shall have multi-password protection to prevent inadvertent or fraudulent programming/configuration changes.
- (w) The Meter shall be available with the following features:

| | | |
|-----|--|---|
| (1) | Service | Raw / Pure water Rising and Gravity Mains |
| (2) | Line size | As listed in Annexure () |
| (3) | Flow range | 0.5 to 100 ML/Day |
| (4) | Overall accuracy of measurement loop | +/- 0.5% of measured Flow |
| (5) | Process fluid | Potable water/ Raw water |
| (6) | Maximum pressure in the pipe | 12 Kg/ Sq. Cm |
| (7) | Material of the pipe & | |
| | Thickness of pipe | To be ascertained by bidder |
| (8) | Concrete chamber around the pipe for mounting the flow sensors | Required |
| (x) | lightning Surge protection devices (SPD) | Required for protection from lightning |

| | | |
|--------|--|--|
| | between each flow sensor and flow computing unit/flow transmitter. | surges. |
| (i) | Type | Multi Channel indicating type. |
| (ii) | Type of display | a) 5½ digit, LCD, min. 12 mm height for flow rate in m ³ /hr. b) 8 digit, LCD, min. 12 mm height for totalised flow in ML. |
| (iii) | Weather protection class | IP 68 of IS 13947 part 1. |
| (iv) | Power supply | 24 V DC / 240 V AC |
| (v) | Mounting | To be mounted on specified by engineer-in-charge. |
| (vi) | Input | From electromagnetic flow sensors |
| (vii) | Output | a) Isolated 4-20 mA. DC output for flow rate. b) Potential free 1 NO + 1 NC relay output for High and Low flow set point(adjustable) |
| (viii) | Zero and Span Adjustment | Required |
| (ix) | lightning Surge protection device(SPD) between flow computing unit and RTU in control room | Required for protection from lightning surges. 2nos. on the signal loop and 2nos. on the power supply loop. |
| (x) | Battery backup for totalised flow | Required |

The necessary Electromagnetic flow meter with transducer shall be provided for raw water and pure water channels in the Treatment plant in order to transmit the on-line flow status. This shall be designed suitably with parameters of internal dimension of channel, velocity and depth of flow.

The Contractor shall arrange for required no. of flanges which are essential for the erection of the meter. The cost shall include erection, testing and validation. No extra cost will be paid for allied works.

Before taking up of the work, the Contractor shall give the work schedule and got approved by the Engineer duly in consultation with the RMC authorities for obtaining shut down.

Notes:

1. Flow computer/ transmitter shall provide an isolated output of 4-20 mA proportional to flow rate for connecting to RTU for telemetry.
2. Wet calibration test for accuracy and repeatability, hydraulic tests for the flow sensor shall be performed by the vendor and test certificates for the same shall be submitted for consultant's/ purchaser's review and records.

3. All flow meters should be manufactured by any one of companies as mentioned in vendor list.
4. Agency who supply full bore type electromagnetic flow meter must have his own testing laboratory for testing electromagnetic flow meters up to pipe line of 1200 mm.dia.

5. CALIBRATION:-

All the flow meters shall be calibrated in manufacturer's test lab accredited by National agencies in accordance with ISO 17025. In case the manufacturer does not have accredited flow meter test lab, all flow meter then shall be calibrated at FCRI, PALAKKAD, KERALA. Cost of calibration of all flow meter shall be borne by the manufacturer.

3. Ultrasonic Water Level Sensors

- 3.1 For measurement of water levels in sumps, Ground Level Storage Reservoirs (GLSRs) and Elevated Storage Reservoirs (ESRs) or DAM Site. it is proposed to install non-contact type ultrasonic water level sensors having 4-20 mA output for interfacing with the data logger.
- 3.2 The proposed ultrasonic type water level sensors shall have following minimum technical specifications –
- 3.3 Level measurements shall be provided for clear water reservoirs, master balancing reservoir, terminal balancing reservoir, dewatering sumps and surge vessels.
- 3.4 Ultrasonic level measuring devices shall comprise a transducer and control unit.
- 3.5 The transducer shall be suitable for flange or bracket mounting as required and shall be environmentally protected to IP 68. It shall have ambient temperature compensation, adjustable datum setting facilities.
- 3.6 It shall be programmable with an integral programming keyboard and provide a digital display of the measured variable. It shall be provided with diagnosis facilities and shall provide an isolated 4 to 20 mA DC output signal proportional to the range of measurement.
- 3.7 The design and application of ultrasonic level meters shall take into account the vessel or channel construction, the material, size, shape, environment, process fluid or material, the presence of foam, granules, size etc.
- 3.8 The installation shall avoid any degradation of performance from spurious reflections, absorption, sound velocity variations, sensor detection area, temperature fluctuations, specific gravity changes and condensation. For applications where spurious reflections are unavoidable the control unit shall be provided with facilities for spurious reflection rejection.
- 3.9 If turbulence exists, shielding, stilling tubes or other measures shall be provided to avoid effects on the measurement.
- 3.10 The accuracy of level measuring system shall be $\pm 0.5\%$ of measured value.

| | | |
|--------|--------------------------------------|---|
| (i) | Service | Sumps & ESRs & Dam Site |
| (iii) | Accuracy of measuring loop | $\pm 0.5\%$ of full scale |
| (i) | Type | Ultrasonic |
| (ii) | Range | 0.30 to 20.00 Mtrs |
| (iii) | Output | To be connected to level transmitter |
| (iv) | Weather protection class | IP 68 as per IS 13947 part 1 |
| (v) | Mounting | From top of reservoir, tank |
| (vii) | Mounting nozzle | Required |
| (i) | Type | Microprocessor based (Indicating type) |
| (ii) | Output | Isolated 4-20 mA corresponding to level |
| (iii) | Mounting | In a lockable enclosure |
| (iv) | Power supply | 24 Vdc |
| (v) | Weather protection class | IP 68 as per IS 13947 part 1 |
| (vi) | Programming facility with programmer | Required |
| (vii) | Type of display | 3 1/2 digit, 7 segment, backlit LCD |
| (viii) | Span and zero adjustment | Required |

Note: Transmitter is integral to the transducer is also acceptable.

All level sensors should be manufactured by any one of companies as mentioned in vendor list.

4. Residual Chlorine Measurement System

- 4.1 Ascertaining the quality of water supplied to the consumer For measurement of residual chlorine, it is proposed to install online type Amperometric residual chlorine sensors having 4-20 mA output for interfacing with the data logger.
- 4.2 The proposed Amperometric residual chlorine sensors shall have following minimum technical specifications –

| | | |
|--|--------------------------|--|
| | Sensor | |
| | Method | Amperometric |
| | Electrodes | Gold Cathode/Silver Anode |
| | Sensor shaft | PVC |
| | Range | 0.05 to 5 mg/ltr as per Manufacturers standard |
| | Response Time | T90<2 min |
| | Temperature Sensor | NTC |
| | Temperature | 45 deg C |
| | Pressure | 1 bar in CCA 250 assembly |
| | Mounting | CCA 250 Assembly |
| | Flow rate | Min 30-120 l/hr max |
| | Transmitter | |
| | Type | Microprocessor based |
| | Display Type | 2 line LCD |
| | Accuracy | 0.5 % of Max range |
| | Repeatability | 0.2 % of Measuring range |
| | Resolution | 0.001 mg/lit |
| | Mounting | Field mount |
| | Analog Output | 4 – 20 mA, DC, for chlorine |
| | Temperature Compensation | Manual/Automatic |
| | Enclosure Protection | IP 65 |
| | Power Supply | 230 VAC, 50/60 Hz |

NOTE:- Residual Chlorine Measurement System should be manufactured by any one of companies as mentioned in vendor list.

5. Data Collection Platform (DCP)

- 5.1 Data Collection Platform (DCP) shall have state of art, rugged and robust field proven design for un-attended operation in harsh environmental conditions. Multiple input interface for variety of measurement sensors i.e. 4-20 mA, RS-485, Digital Inputs etc., and communication ports for interfacing wireless data communication devices (VHF Modems). Following are the minimum technical specifications for DCP.

| | |
|---------------------------------|---|
| Operating Temperature | 0 to 55°C |
| Relative Humidity | 0 to 99 % Non-Condensing |
| Data Collection Platform | |
| I/O | DI - 8, AI - 4, DO – 8 (AI- Expandable to 8) |
| Interface | 1 x RS-232, 1 x RS-485, |
| Memory | Program + 1 year data @ 15 min interval |
| Display | Graphics Display |
| Keyboard | 8 Membrane Keys/ Touch screen |
| ADC Resolution | 16 Bit or Better |
| μProcessor | 32 Bit or Higher |
| Power Supply | 10-16 V DC 0.50W (Max) |
| Enclosure | NEMA 4 / IP-54 |
| VHF Radio Modem | |
| Operation Band | VHF 136 & 176 Mhz. |
| Interface | RS-232 |
| Antenna | External Antenna |
| Baud Rate (over Air) | 300-1200 bps |
| Power output | As required (Programmable) |
| Mains Power Supply | |
| Battery Charger | Microprocessor Based |
| Indicators | Charging, Mains on, Battery Low, Battery Reverse |
| Protection | Short-circuit, Overload, Under-voltage |
| Battery(ies) | Sealed Maintenance Free (SMF) |
| Capacity | As required by power budget for DCP and sensors interfaced with the DCP |

| | |
|------------------|--|
| Enclosure | MS fabricated wall-mount panel enclosure for housing DCP, Power Supply, etc., with required ingress protection shall be provided at each station |
|------------------|--|

6. Computers, Printers etc., at Master Control Center (MCC)

- 6.1 Data and communication computers and work stations required at Master Control Center shall be of latest configuration, industrial grade, available in the market at the time of supply and shall be provided with the required operating system suitable for running the application software, and antivirus with 1-year subscription paid.
- 6.2 The printers i.e. report printers, event printers and alarm and trend printers shall be of reputed make and shall be latest model available in the market.

7. Application Software

- 7.1 Data and communication within the network shall be controlled and monitored by the existing application software running on computers and work stations at Master Control Center (MCC). Application shall be responsible for un-attended data collection from all the field stations, validation of the received data, display and store the validated data in the database and perform various operations to generate 'Bulk Water Audit Report' and other reports as per the requirement of water supply engineers in the RMC. All data should be storage on additional device for backup purpose.
- 7.2 Real time data and Daily Bulk Water Audit Report along with other static reports shall be uploaded to the Web portal periodically for web based remote monitoring. Access to the web portal shall be secured with password protection. Periodic data upload shall be done by the application software without any human intervention or manual uploading.
- 7.3 Collected data shall be made available for secured access through Android and IOS Application also for remote monitoring to all Smart phones with pre-loaded application for remote monitoring with message alert system of various parameters.
- 7.4 Functional requirements of the application software, Web based remote monitoring and Android and IOS application is only to illustrate the requirement and bidder is required to submit the detailed functionality, forms and screens of the existing application software along with his bid to demonstrate his technical capability and understanding of the system.
- 7.5 Formats for Reports, trends, alarms, events shall be finalized by the bidder in consultation with the operational staff and officers responsible for the operation of the water supply system.

A.E (Mech)

Dy.Exe.Engineer(Mech)

Add. City Engineer (WW)

RAJKOT MUNICIPAL CORPORATION WATER WORKS DEPARTMENT

Name of work:- SITC work of different size of Full bore type Electromagnetic Flowmeter with Level Sensor, Chlorine sensor & RTU panel at different head Works of Rajkot municipal corporation
SPECIAL CONDITIONS OF CONTRACT

1.0 CONDITIONS OF CONTRACT:

- 1.1 The supplier / manufacturer shall have fully equipped arrangement of manufacturing, testing, quality control and technical expertise for manufacturing Electromagnetic full bore type Flow Meter in India as a joint venture with reputed manufacturer abroad and to provide services during warranty and comprehensive maintenance period.
- 1.2 If found necessary tenderer will have to arrange visit of staff of Rajkot Municipal Corporation to verify the existence of facilities detailed in 1.1 above with the tenderer before opening of the Price Bid.
- 1.3 During the visit if it will be observed that the tenderer do not possess the required facilities then the price bid of the tenderer will not be considered for opening.
- 1.4 Quantity mentioned in tender document is tentative and subject to change. Contractor has to take written instruction from Add. City Engineer, Water Works, Rajkot Municipal Corporation, for dispatch of meters to Rajkot Municipal Corporation. No payment will be made for meters received by Rajkot Municipal Corporation without written instruction.
- 1.5 Rates quoted in tenders shall be valid from **180 days** from the date of opening of price bid of tender.
- 1.6 Location for flow meter, level sensors and chlorine sensors' installation shall be given by Engineer in charge, Water Works, Rajkot Municipal Corporation, at the time of issue of supply and installation order.
- 1.7 Investigation for most suitable position at given location or pipe shall be done by manufacturer for the working of flow meter as per specifications. No additional payment will be made.
- 1.8 Supplier shall prepare the site in all respects to start the work.
- 1.9 Excavation / construction of chamber / installation of meter instrumentation cable, electrical cable. Control cable power back up system, testing with hydraulic flow, electrical and instrumentation etc in all respect for trouble free operation of flow meter at given location and condition shall be carried out by manufacturer to ensure the normal working of meters.

- 1.10 The whole system shall be supplied with 1 year warranty and 5 year comprehensive maintenance contract inclusive of all the consumable required for operation and maintenance.
- 1.11 Contractor shall provide monthly report on common specific date / time for all the meters installed under the contract for 5 years for the parameters generated from flow meter apart from flow volume.
- 1.12 Exe Engineer, Water Works, Rajkot Municipal Corporation may ask manufacturer to verify the flow meter reading by checking measurement through portable Electromagnetic full bore type Flow Meter and / or volumetric method in case of any doubt arising out of flow meter readings.
- 1.13 In case of any malfunction observed by flow meter, manufacturer shall attend the complaint within 48 hours and if flow meter required to remove from site for major repairing manufacturer shall first arrange the alternate meter.
- 1.14 Power back up system for minimum 8 hours shall be part of whole system and hence warranty and annual maintenance contract shall be applicable to both the items.
- 1.15 If any of the meters is not working (2 years) for want of maintenance or spares, Rajkot Municipal Corporation will recover the penalty in the following manner from the amount due to contractor inclusive of S.D.
- | | | |
|-------------|-----------------------|---|
| 1.16 | Up to 2 days | No penalty |
| | 2-7 days | Rs.500/day/meter (flow, level and chlorine) |
| | 7-15 days | Rs.1000/day/meter (flow, level and chlorine) |
| | Beyond 15 days | Rs.2000/day/meter (flow, level and chlorine) |
- 1.17 DELETED
- 1.18 Physical security of flow meters, level sensors and chlorine sensors - after installation and commissioning of all, the responsibility of physical security of premises lies with Rajkot Municipal Corporation, however, successful bidder shall have to insure the work with insurance company and in addition shall provide RCC chamber for each meter with lock key arrangement and glass for local monitoring of flow parameters. Keys shall be with the bidder for a period of 5 years during O&M period.
- 1.19 Constant Voltage Transformer (CVT) is not required.
- 1.20 An UPS with built in battery charger, is required.
- 1.21 Since the printer is Laser type, the type of Transmitter shall be suitable to same, so that online data print out facility could be available.
- 1.22 DELETED
- 1.23 DELETED

- 1.24 Regarding eligibility, either original manufacturer or authorized dealer having all the requirement of financial as well as technical can quote the rate. If authorized dealer is quoting the prices, the matter of qualification criteria of original manufacturer will not be considered but the authorized dealer will have to be qualified from his own strength.
- 1.25 The bidder applying for this tender should bear the registration as well as experience certificate in his own name.
- 1.26 The experience of work for flow meter supplied without GSM system, such experience will be considered by Rajkot Municipal Corporation.
- 1.27 The bidder shall have to supply two batteries by matching to the load criteria of designer with backup capacity of 8 hours.
- 1.28 The bidders are requested to give their Price List for supply of spare parts.
- 1.29 In future, if required contractor/bidder is bound to supply, installation, testing and commissioning full bore type electromagnetic flow meter, level sensor & chlorine sensors and integrated it's data with existing system for any pipeline which is not mention in tender. Payment will be made as per quoted in this tender by bidder. Payment will be made as per contract awarded to him. Of course, enhance factor will be applied as mention below :

1.30

| Sr.no. | Year | Enhancement factor |
|--------|---------|--------------------|
| 1 | 2021-22 | 1.00 |
| 2 | 2020-21 | 1.10 |
| 3 | 2019-20 | 1.21 |
| 4 | 2018-19 | 1.33 |
| 5 | 2017-18 | 1.46 |
| 6 | 2016-17 | 1.61 |
| 7 | 2015-16 | 1.77 |
| 8 | 2014-15 | 1.95 |

Contractor/bidder is bound for five years to supply, installation, testing and commissioning full bore type electromagnetic flow meter, level sensors & chlorine sensors whenever required by Rajkot municipal corporation.

- 1.31 The design of RCC chamber, it was clarified that the design of RCC chamber shall depend on the diameter of the pipe + **1 meter working space on each side**. The construction of chamber shall be as per RMC prevailing specification.

- 1.32 Dewatering required for construction for RCC chamber will be in the scope of bidder.
- 1.33 **Successful bidder has to connect flow meters, level sensors and RTU with existing central server by installing RTU/DATA LOGGER etc.**
- 1.34 Successful bidder must arrange one telephone at control room for attending complains & complain register should be maintained.
- 1.35 Successful bidder must first of all install one flow meter, one level sensor and one chlorine sensor at any site and show its parameter in existing system on web site as well as on android and IOS application on smart phone.
- 1.36 Under the smart city project, RMC has developed intregrated command center (ICCC) develop at multi activity centre @ nana mauva cross road agency has to intrigrate entire scada system control room based at Dr. Amedkar bhavan central zone office the data availble at scada control room should be electronically transferd and should be made availble on tv screen

2.0 SECURITY DEPOSIT:

2.1 Security deposit of 5% of value of work .

3.0 PAYMENT TERMS FOR FLOW METERS AND ALLIED WORKS:

| | | |
|--|----|-------------|
| on Supply of meters with all accessories | .. | 45% |
| on Erection | .. | 30% |
| on Testing and commissioning | .. | 15% |
| after successful running of meter for 3 months | | 10% |
| Total .. | | 100% |

A.E (Mech) Dy.Exe.Engineer (Mech) Add. City Engineer (WW)

Testing of work

- 5.1 The bidder shall have workshop and testing facility for repairs, however, all the meters will be tested accredited laboratory which has been clarified in the tender documents.
 - 5.2 Regarding testing of the meter, same will be tested as per relevant IS Code or any International standard practice.
 - 5.3 In the tender document, it has been clarified that ISO requirement is compulsory.
-
- 6. The tenderer can visit all sites, master control room, ICCC room, existing software, Mobile application, existing flowmeters, level sensors, chlorine sensors , RTU Display units etc. between Dt.:13/11/2020 to Dt.22/11/2020
 - 7. during 10:00 AM to 6:00 PM and can contact for detail.
 - 8. D Y Trivedi (D.E.E - Mech) – 97234 63635

A.E (Mech) Dy.Exe.Engineer (Mech) Add. City Engineer(WW)

CLARIFICATION OF SPECIFICATIONS

**RAJKOT MUNICIPAL CORPORATION
WATER WORKS DEPARTMENT**

DETAILED SPECIFICATIONS

SITC work of different size of Full bore type Electromagnetic Flowmeter with Level Sensor, Chlorine sensor & RTU panel at different head Works of Rajkot municipal corporation .(RE TENDER)

| SR. NO. | Work details | QTY./MTR. | UNIT RATE | TOTAL RATE | |
|---------|---|-----------|-------------|-------------|--|
| | Designing, providing,installing,testing and commissioning of full bore type electromegnetic flow meters mentioned below including necessary transducers cables with overall accuracy of plus-minus 0.5 percent for complete system as details in item wise specifications with web & server connectivity with R.C.C. chamber of required size and expansion bellow/DJ | | | | |
| 1 | Inlet pipe size 300 mm from aji at swatipark pumping station. Line type DE | 1 | 5,88,429.00 | 5,88,429.00 | |
| 2 | Inlet pipe size 500 mm from bhadar at swatipark pumping station. Line type DE | 1 | 6,08,981.00 | 6,08,981.00 | |
| 3 | Inlet pipe size 400 mm from bhadar at narayannagar pumping station. Line type DE | 1 | 6,02,923.00 | 6,02,923.00 | |
| 4 | Inlet pipe size 400 mm from raiyadhar at bedi filter plant . Line type DE | 1 | 6,02,923.00 | 6,02,923.00 | |
| 5 | Inlet pipe size 450 mm from bhadar at vavdi pumping station. Line type DE | 1 | 6,02,923.00 | 6,02,923.00 | |
| 6 | Header pipe size 700 mm at aji raw water pump house to filter plant 1. Line type MS | 1 | 6,69,372.00 | 6,69,372.00 | |
| 7 | Header pipe at size 700 mm aji raw water pump house to filter plant 3. Line type MS | 1 | 6,69,372.00 | 6,69,372.00 | |
| 8 | Remoute terminal unit with LCD display ,power supply VHF/GSM data communication | 4 | 1,03,404.00 | 4,13,616.00 | |
| 9 | Instrumentation cable | 300 | 83.51 | 25,053.00 | |
| 10 | signal & power cable | 300 | 83.51 | 25,053.00 | |
| 11 | SITC of level sensor GSR 0-7 mtr. at vavdi pumping station | 1 | 75,274.00 | 75,274.00 | |
| 12 | SITC of level sensor ESR 0-10 mtr. at vavdi pumping station | 1 | 86,402.00 | 86,402.00 | |
| 13 | Clorine sensor at vavdi pumping station | 1 | 2,75,000.00 | 2,75,000.00 | |
| 14 | Linking of system with extisting SCADA system | 4 | 85,000.00 | 3,40,000.00 | |

| | | | |
|--|--|--------------|--|
| | TOTAL | 55,85,321.00 | |
| | SAY ESTIMATE RS. | 55,85,500.00 | |
| | SAY RS. FIFTY FIVE LACS EIGHTY FIVE THOUSAND FIVE HUNDRED ONLY | | |

1.0 GENERAL SPECIFICATIONS AND CONDITIONS:

- 1.1 Rajkot Municipal Corporation has provided the size of pipe is indicative. The actual size O.D./ I.D., thickness shall be measured by manufacturer before supply of meter, any deviation and delay or damage cost due to non-fitting of meter shall be borne by bidder. The liquidity damage due to delay in fitting for wrong selection of fittings and accessories lies with bidder.
- 1.2 If there is any problem with ovality of pipes after the pipes are out, the contractor as per the relevant standards shall jack up the pipes and the jointing work shall be carried out.
- 1.3 The contractor will have a full system of local offices in India and full service capability in the Metro-cities throughout the country. Full contact details for key personnel, both national and local shall be furnished on request. The supplier shall provide evidence of at least five years involvement in the manufacturing of meters worldwide.
- 1.4 The successful contractor shall arrange for training of 6 nos. RMC engineers in operation, maintenance and repairs of the flow meters for a period of 4 days at Manufacturer's premises in India or at RMC sites, so as to enable the engineers to get acquainted with technology and O&M. All the expenses towards training shall be borne by contractor.
- 1.5 The sensor / transmitter cables shall be capable of withstanding the climatic condition as applicable at site and should be weatherproof. the cable shall be installed in a suitable uPVC duct to minimize the risk of damage during excavations for other works. All cables shall be laid at a minimum depth of 0.5 m below the ground. Maximum length between the sensor and the transmitter shall not be more than that recommended by the meter manufacturer.
- 1.6 The transmitter shall operate so as to avoid loss of data in the event of temporary loss of electrical power supply and contractor shall include provision of maintenance free battery **back up facility (8 hours duration)** to cater for temporary loss of such power supply. The contractor must keep allowance for normal variations in mains electrical power parameters to be expected at site.
- 1.7 All the integrator should be of the same type and make i.e. they should be compatible for all the meters supplied as part of this bid. The logger should be suitable for local conditions. Each signal transmitter should be provided with a appropriate dual channel flow readings and of type approved by the client, with a data storage capacity of 365 days at 1 hour logging interval. Logger

shall be supplied with compatible communication leads from transmitters to loggers and loggers to portable download devices (hand held units / laptops).

- 1.8 The integrator shall receive a compatible pulse or continuous output as appropriate from the transmitter. Appropriate software of windows type or similar software approved shall be included for downloading the flow on to a portable download device. The loggers shall have integral maintenance free batteries with a minimum of 10 years life, on continuous operation and rated not worse than IP68 protection. transducer should be of appropriate type with an accuracy of + or - 2.0 %. The logging interval should have a range of 1 second to 24 hours.
- 1.9 The gateway for remote monitoring system should have minimum features as given below:
 - Communication via modem, Ethernet, VHF radio link or GSM
 - Uses standard internet protocols (TCP/IP, http)
 - Limit value monitoring with alarm signaling via e-mail or SMS
 - Synchronized time stamping of all measured values
 - Download device with WAP and GSM mobile phone.
- 1.10 The necessary software with installation CD, hardware and modem (Including computer) required for connectivity of all installed flow meters with centralized computer of water works department of RMC shall be provided by the successful bidder. Software shall provide minimum following parameters.

 Date Time, Flow Rate, Min - max - Average values of flow for given time span on particular date and water levels of GSRs & ESRs of each head works & filter plants, residual chlorine in water of each head works and filter plants. Min - max - Average values of water level & residual chlorine for given time span on particular date.
- 1.11 All safety precaution with lighting protection unit shall be provided to all the input of sensors and at power supply end. Hence totally 6 lighting protection devices per flow meter should be provided. the flow meters, the failure / damage to flow meter for any reason for the warranty and period of annual maintenance contract shall be with manufacture, hence, cost of insurance against all failure / damage (if any) shall be borne by manufacturer. No additional payment will be made.
- 1.12 Contractor shall provide training to client's nominated staff in 1) Installation of metering equipments 2) Programming of meters and data loggers 3) Meter reading practices 4) down load of data from data loggers 5) operation and maintenance of portable download devices 6) analysis of the data 7) Operation and maintenance of the online calibration validation equipment 8) Planned Preventive Maintenance of meters and other accessories 9) Remote monitoring set up by wireless technology.

2.0 TECHNICAL SPECIFICATIONS:

A) GENERAL TECHNICAL SPECIFICATIONS

1) Full Bore Electromagnetic Flow Meter

1. The Full bore electromagnetic flow meter shall work on the principle of “Faraday’s Law” suitable for water having turbidity up to 3000 ppm.
2. Flow measuring system shall consist of Flow Meter, Flow Computer and flow transmitter, digital flow indicator with interface to Data-logger and any other item required to complete the system.
3. Flow meter shall be rugged in construction and shall be suitable for continuous operation suitable for outdoor installation in chambers.
4. To avoid the effects of disturbances in the velocity profile, a straight and uninterrupted run, upstream as well as downstream from the location of the flow sensor shall be provided, as required by the flow meter manufacturer.
5. Contractor shall finalize the exact location of flow transducers in consultation with Engineer's Representative.
6. The flow transmitter shall be suitable for field mounting and shall accept input from the flow meter. It shall process the input signal and **provide 4-20 mA output** proportional to flow rate. Flow transmitters shall have LCD/LED display to indicate instantaneous flow rate. The flow range shall be adjustable.
7. Flow measurement shall not be affected by physical properties of water viz. temperature, pressure, viscosity, density etc., within given limits. Contractor shall provide compensating electronic circuits, if required.
8. After Material received at site Concerned Engineer - incharge shall carry out the physical verification regarding material received in good and acceptable condition and Each flow meter is bearing ISI Mark or any international standard make as well as Third Party Mark.
9. The overall accuracy of flow measuring systems shall be at least +/- 0.5% of the measured value.
10. Electromagnetic flow meters shall be provided on discharge common header of each pumping station.
11. The flow meter output shall be compatible with Data logger / Application Software.
12. The Contractor shall ensure that the range of flows from one to four transmission pumps running can be adequately measured by the flow meter system provided.
13. The Flow meter shall be capable of monitoring and displaying the following:
Flow Rate: Forward, Reverse, Net Flow & total Velocity
14. **The Flow sensor shall be rated IP 68** and be suitable for indefinite submergence to a depth of 10 meters. The sensor shall also be suitable for installation in underground pipes without the need for a metering RCC chamber.
15. The Electronic display unit shall be protected to IP 68 to facilitate installations in RCC chambers which may be likely to be flooding.

16. The remote transmitter shall be capable of mounting up to 200m away from the sensor.
17. The software for meter shall have multi-password protection to prevent inadvertent or fraudulent programming/configuration changes.

2. Ultrasonic Water Level Sensors

1. For measurement of water levels in sumps, Ground Level Storage Reservoirs (GLSRs) and Elevated Storage Reservoirs (ESRs) and Dam Site it is proposed to install non-contact type ultrasonic water level sensors having 4-20 mA output for interfacing with the data logger.
2. The proposed ultrasonic type water level sensors shall have following minimum technical specifications –
3. Level measurements shall be provided for clear water reservoirs, master balancing reservoir, terminal balancing reservoir, dewatering sumps and surge vessels.
4. Ultrasonic level measuring devices shall comprise a transducer and control unit.
5. The transducer shall be suitable for flange or bracket mounting as required and shall be environmentally protected to IP 68. It shall have ambient temperature compensation, adjustable datum setting facilities.
6. It shall be programmable with an integral programming keyboard and provide a digital display of the measured variable. It shall be provided with diagnosis facilities and shall provide an isolated 4 to 20 mA DC output signal proportional to the range of measurement.
7. The design and application of ultrasonic level meters shall take into account the vessel or channel construction, the material, size, shape, environment, process fluid or material, the presence of foam, granules, size etc.
8. The installation shall avoid any degradation of performance from spurious reflections, absorption, sound velocity variations, sensor detection area, temperature fluctuations, specific gravity changes and condensation. For applications where spurious reflections are unavoidable the control unit shall be provided with facilities for spurious reflection rejection.
9. If turbulence exists, shielding, stilling tubes or other measures shall be provided to avoid effects on the measurement.
10. The accuracy of level measuring system shall be $\pm 0.5\%$ of full scale.

3. Residual Chlorine Measurement System

1. Ascertaining the quality of water supplied to the consumer For measurement of residual chlorine, it is proposed to install online type Amperometric residual chlorine sensors having 4-20 mA output for interfacing with the data logger.

4. Data Collection Platform (DCP)

1. Data Collection Platform (DCP) shall have state of art, rugged and robust field proven design for un-attended operation in harsh environmental conditions. Multiple input interface for variety of measurement sensors i.e. 4-20mA, RS-485, Digital Inputs etc., and communication ports for interfacing wireless data communication devices (VHF Modems).

5. Computers, Printers etc., at Master Control Center (MCC)

1. Data and communication computers and work stations required at Master Control Center shall be of latest configuration, industrial grade, available in the market at the time of supply and shall be provided with the required operating system suitable for running the application software, and antivirus with 1-year subscription paid.
2. The printers i.e. report printers, event printers and alarm and trend printers shall be of reputed make and shall be latest model available in the market.

6. Application Software

1. Data and communication within the network shall be controlled and monitored by the application software running on computers and work stations at Master Control Center (MCC). Application shall be responsible for un-attended data collection from all the field stations, validation of the received data, display and store the validated data in the database and perform various operations to generate 'Bulk Water Audit Report' and other reports as per the requirement of water supply engineers in the RMC
2. Real time data and Daily Bulk Water Audit Report along with other static reports shall be uploaded to the Web portal periodically for web based remote monitoring. Access to the web portal shall be secured with password protection. Periodic data upload shall be done by the application software without any human intervention or manual uploading.
3. Collected data shall be made available for secured access through Android Application also for remote monitoring initially it is proposed to take 8 Smart phones with pre-loaded application for remote monitoring.
4. Functional requirements of the application software, Web based remote monitoring and Android application is only to illustrate the requirement and bidder is required to submit the detailed functionality, forms and screens of the proposed application software along with his bid to demonstrate his technical capability and understanding of the system.
5. Formats for Reports, trends, alarms, events shall be finalized by the bidder in consultation with the operational staff and officers responsible for the operation of the water supply system.

Item No.2:

SITC work of different size of Full bore type Electromagnetic Flowmeter with Level Sensor, Chlorine sensor & RTU panel at different head Works of Rajkot municipal corporation

1. The whole system shall be provided with 5 years operation and comprehensive annual maintenance contract. After successful commissioning of whole system

the comprehensive annual maintenance shall commence. During this period, the successful bidder will be responsible for developing and implementing a Planned Preventive Maintenance (PPM) program for all the meters and other accessories supplied and installed as part of this contract. Supply of labour, materials, tools and equipment to carry out the agreed PPM, including supply of all consumables and spare parts. The contractor to attend for an emergency breakdown immediately (within 48 hours).

2. The contractor shall submit the preventive maintenance plan to be adopted during the period of operation and comprehensive annual maintenance apart from the break down repairs.
3. Comprehensive maintenance includes regular preventive maintenance of all components and hardware software used for satisfactory working of flow meter with accuracy of $\pm 0.5\%$ of the measure value.
4. During the operation and comprehensive annual maintenance Add. City Engineer, Water Works may ask manufacturer to verify the flow meter reading either by checking measurement by portable Ultrasonic Flow Meter and / or volumetric method in case of any doubt arising out of flow meter readings.
5. In case of any malfunctioning is observed in system, contractor shall attend the complaint within 48 hours and if it is required to remove faulty part from site for major repairs then contractor shall first arrange the alternate part.
6. If any of the meters, level meters, chlorine meters is not working for want of maintenance or spares, Rajkot Municipal Corporation will recover the penalty in the following manner from the amount due to contractor inclusive of S.D.

| | | |
|----------|-----------------------|---|
| 7 | Up to 2 days | No penalty |
| | 2-7 days | Rs.500/day/meter (flow, level and chlorine) |
| | 7-15 days | Rs.1000/day/meter (flow, level and chlorine) |
| | Beyond 15 days | Rs.2000/day/meter (flow, level and chlorine) |
8. The scope of AMC has broadly defined in the tender documents. It is hereby further clarified that it will be responsibility of bidder to maintain all the meters in scientific way, so that meter will run continuously without any problem. All the relevant items of the meter will be in lock and key. Key will remain with the bidder only. RMC Engineer will not touch the meter. Bidder shall have to deploy qualified and experienced person who will all the time available at Rajkot.
9. **Circular no. RMC/C/329, Dt.22.12.2012 and order no. RMC/C/132, Dt.10.06.2013 of Municipal Commissioner, Rajkot are count as a part of a tender and bidder must submit it with his sign and stamp. Failing of these is treated as reason for disqualify of tender.**

The Contractor shall be required to perform the following services under these Conditions¹:

The Contractor shall be responsible for corrective maintenance of all equipment.

The Contractor shall be responsible for carrying out regular servicing and lubrication of moving parts, complying with maintenance instructions as defined in the Operation and Maintenance Manual, and ensuring that electromechanical equipment and motors operate correctly at all times.

The Contractor shall ensure that measurement systems operate correctly at all times.

The Contractor is also responsible for providing spare parts and material required for the operation and maintenance during the operation period, and shall bear the cost for the same, including the cost of storing and safeguarding.

The Contractor will make all necessary arrangements to ensure the continuous supply of spare parts and material for the works, and the rate of supply of these materials shall be in such quantities and amounts as would ensure uninterrupted operation.

At the time of agreement the agency shall have to give Name of the dedicated team with CV & contact numbers as well as details of remuneration to be paid.

Signature of Contractor

A.E (Mech) Dy.Exe. Engineer (Mech) Add. City Engineer(WW)

**Rajkot Municipal Corporation
Water Works Department**

¹ Provided here are certain standard services that RMC could require. However RMC may wish to review this and make changes depending on the exact nature of services they require from the Contractor.

Name of Contract: SITC work of different size of Full bore type Electromagnetic Flowmeter with Level Sensor, Chlorine sensor & RTU panel at different head Works of Rajkot municipal corporation

:: DECLARATION ::

I/We here declare that I/We have made myself thoroughly conversant with the local conditions regarding all material such as hardware material - all electrical goods availability of water etc. and labour on which I have based my rates for this work.

The specifications, clauses and conditions for this work have been carefully studied and understood by me before submitting the tender.

I/We undertake to use only the best materials, to be approved by the Engineer incharge before starting the work and also to abide by his decision of the Engineer incharge.

I/We hereby undertake to pay the labours engaged on the work as per Minimum Wages Act and its amendments from time to time is applicable to the zone concerned.

SEAL

UNDERTAKING FOR GUARANTEE

Rajkot Municipal Corporation
Water Works Department

Name of Contract: SITC work of different size of Full bore type Electromagnetic Flowmeter with Level Sensor, Chlorine sensor & RTU panel at different head Works of Rajkot municipal corporation

UNDERTAKING FOR GUARANTEE

I/WE GUARANTEE THAT:

1. I/We replace, repair and adjust free of all charges, to the employer (RMC), any part of work which fails to comply with the specifications or the amendment to such specifications, as referred to in our specifications attached to tender, fair, wear and tear except until the completion and for a period of 60 months from the date of Acceptance Certificate issued by Rajkot Municipal Corporation.
2. All the work will be reliable
3. All the work will be of a type which has been proved in service, to be suitable for the duty required by the specifications and will be in the appropriate standard specifications approved by the Engineer incharge.
4. I/We accept and abide by the clause relating to quality and guarantee of work.

SEAL

Acceptance of Bank Guarantee as
Security Deposit and Earnest
Money Deposit.

Government of Gujarat

Finance Department

GR. No.: FD/MSM/e-file/4/2023/0057/D.M.O.

Date: 21/04/2023

Read: FD GR. No.: EMD/4/2022/0002/DMO Dt. 20/05/2022

Preamble:

Tendering authorities of the State Government and its Boards/Corporations/PSUs frequently take Bank Guarantee from the bidders towards Security Deposit and Earnest Money Deposit. The State Government had issued the list of eligible banks vide above read resolutions of this department dated 20/05/2022.

After careful consideration, the Government has decided to approve the list of Banks whose Bank Guarantees would be accepted for the purpose mentioned above. It has now been decided to resolve as follows:

Resolution:

Government Departments and State Government Boards / Corporations / PSUs would accept Bank Guarantee (towards Security Deposit and Earnest Money Deposit) issued by any of the banks included in the **Annexure I**, attached to this Resolution.

The tendering authority will be required to ascertain the authenticity of the Bank Guarantee and set up necessary internal control procedures.

By order and in the name of the Governor of Gujarat.


(S. Chhakehhuak)

Additional Secretary (Budget)

Finance Department

Annexure I.

Finance Department, GR. No.: FD/MSM/e-file/4/2023/0057/D.M.O.

Date: 21/04/2023

(A) Guarantees issued by the following banks will be accepted as SD/EMD on permanent basis:

❖ All Nationalized Banks

(B) Guarantees issued by the following Banks will be accepted as SD/EMD for the period up to March 31, 2024. The validity cut-off date in the GR is with respect to the date of issue of Bank Guarantee irrespective of the date of termination of Bank Guarantee.

| Sr No | Name of Banks | Sr No | Name of Banks |
|-------|----------------------------|-------|--|
| 1 | AXIS Bank | 17 | Kotak Mahindra Bank |
| 2 | AU Small Finance Bank | 18 | South Indian Bank |
| 3 | Bandhan Bank | 19 | Standard Chartered Bank |
| 4 | BNP Paribas | 20 | Tamilnadu Mercantile Bank |
| 5 | City Union Bank | 21 | Utkarsh Small Finance Bank |
| 6 | CSB Bank | 22 | The Kalupur Commercial Co-op. Bank |
| 7 | DBS Bank India Limited | 23 | Ahmedabad Mercantile Co-op. Bank |
| 8 | DCB Bank | 24 | Nutan Nagarik Sahakari Bank Ltd. |
| 9 | Equitas Small Finance Bank | 25 | Rajkot Nagarik Sahakari Bank Ltd. |
| 10 | FEDERAL Bank | 26 | Saraswat Co-Operative Bank Ltd |
| 11 | HDFC Bank | 27 | SVC Co-Operative Bank LTD. |
| 12 | HSBC Bank | 28 | The Gujarat State Co-operative Bank |
| 13 | ICICI Bank | 29 | The Mehsana Urban Co-Op. Bank Ltd |
| 14 | IndusInd Bank | 30 | The Surat District Co-Operative Bank Ltd |
| 15 | Karnataka Bank | 31 | The Surat People's Co-Op. Bank Ltd |
| 16 | Karur Vysya Bank | 32 | Saurashtra Gramin Bank |

All the eligible banks are instructed to collect the original documents/papers of guarantee from the concerned tendering authority.


(S. Chhakehhuak)

Additional Secretary (Budget)

Finance Department

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રા.મ.ન.પા./લીગલ/જા.નં. ૧૬૫૬

રાજકોટ મહાનગરપાલિકા

લીગલ શાખા

તા.૨૮/૨/૨૦૧૭

હુકમ:

વંચાણે : લીગલ ફાઇલ નં.૩૭૧/૨૦૧૬-૧૭

રાજકોટ મહાનગરપાલિકાની કામગીરી માટે જુદી-જુદી શાખાઓ દ્વારા કામગીરીના પ્રકારને ધ્યાને લઈ નિયમ અનુસારની પ્રક્રિયા અનુસરીને એજન્સી/સપ્લાયર/કોન્ટ્રાક્ટર સાથે જોગવાઈઓ કરાવવામાં આવે છે. મહાનગરપાલિકાની કામગીરી સંદર્ભે તૈયાર કરવામાં આવતા ટેન્ડર/કરારનામામાં વખતો વખતની જરૂરીયાતને ધ્યાને લઈ આર્બિટ્રેશન (Arbitration) ની જોગવાઈઓનો સમાવેશ કરવામાં આવેલ છે.

રાજકોટ મહાનગરપાલિકાની કામગીરી માટે કરવામાં આવેલ કરારનામાની શરતો અનુસંધાને અમુક એજન્સી/સપ્લાયર/કોન્ટ્રાક્ટર દ્વારા છેલ્લા કેટલાક વર્ષોથી નામદાર હાઇકોર્ટ સમક્ષ આર્બિટ્રેટરશ્રીની નિયુક્તિ અંગે પીટીશનો કરવામાં આવે છે, જેના કારણે મહાનગરપાલિકાની કામગીરીના ભારણમાં વધારો થયેલ છે, અને સંબંધિત અધિકારીશ્રીઓને વારંવાર અમદાવાદ ખાતે હાજર રહેવું પડતું હોય તેના કારણે અગત્યના પ્રોજેક્ટો સહીત કચેરીની કામગીરી તેમજ પ્રજાકીય કામો ઉપર વિપરીત અસર થવા પામેલ છે, તેમજ અરજદારોને હેરાન થવું પડે છે. આ અંગે કાયદાકીય, શાખાના અભિપ્રાય અને પ્રકરણની વિગતો જોતા આ કામે વૈકલ્પિક ઉપાય (alternate remedy) ઉપલબ્ધ હોય મહાનગરપાલિકાના ટેન્ડર/કરારનામામાં આર્બિટ્રેશનની જોગવાઈઓને સામેલ કરવાનું ઉચીત જણાતું નથી.

આથી " રાજકોટ મહાનગરપાલિકાના કામે કરવામાં આવતા ટેન્ડર ડોક્યુમેન્ટ અને કરારનામામાં આર્બિટ્રેશન (Arbitration) ને લગત જોગવાઈઓ દૂર કરવાનો," અને તેના બદલે "ટેન્ડરની શરત/કરારનામાની શરતના અર્થઘટન સંદર્ભે મહાનગરપાલિકાના કમિશનરશ્રીનો નિર્ણય આખરી અને બંધનકર્તા રહેશે," અને "ટેન્ડરની/કરારનામાની શરતો અંગે કોઈ પણ બાબતે વિવાદ ઉપસ્થિત થયે રાજકોટની દિવાની અદાલતની હકુમત રહેશે," તેવી શરતોનો મહાનગરપાલિકાના કામ અર્થે તૈયાર કરવામાં આવતા તમામ કામગીરીના પરિપત્રો/ટેન્ડર ડોક્યુમેન્ટ તેમજ કરારનામામાં સમાવેશ કરવાનો આથી હુકમ કરવામાં આવે છે.

આ હુકમનો અમલ તાત્કાલિક અસરથી ચુસ્તપણે કરવો.

નકલ રવાના જાણ અર્થે : નાયબ કમિશનરશ્રી (તમામ)

નકલ રવાના જરૂરી કાર્યવાહી અર્થે : તમામ શાખાધિકારીશ્રીઓ

કમિશનર
રાજકોટ મહાનગરપાલિકા

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રાજકોટ મહાનગરપાલિકા

હિસાબી શાખા

તા. ૧૦/૭/૨૦૧૮

જા. નં - ૧૧૭૭

વિષય :

વિષય :- વેન્ડર રજીસ્ટ્રેશન અને પેમેન્ટ બિલ બાબત

રાજકોટ મહાનગરપાલિકાના એજન્સીઓ / પાર્ટીઓ / વેન્ડર્સના પરમેનન્ટ વેન્ડર્સ રજીસ્ટ્રેશન હિસાબી શાખા દ્વારા કરવામાં આવે છે. વેન્ડર રજીસ્ટ્રેશનમાં બેંક ડીટેઈલ, પાન નંબર, જી.એસ.ટી. નંબર વગેરે જેવી અગત્યની બાબતો હોય આ તમામ બાબતો (૧) રેઈટ કોન્ટ્રાક્ટના ઠરાવ તેમજ એગ્રીમેન્ટ સમયે દર્શાવવાની રહેશે (૨) નોન રેઈટ કોન્ટ્રાક્ટ / ટેન્ડર વખતે ઠરાવ, હુકમ અને એગ્રીમેન્ટમાં દર્શાવવાના રહેશે. (૩) એગ્રીમેન્ટ સિવાયના કિસ્સામાં હુકમ/ઠરાવ થી સુધારો કરવાનો થાય છે.

પરમેનન્ટ વેન્ડર રજીસ્ટ્રેશન તેમજ તેના સુધારા સમયે વેન્ડર કોર્પ જરૂરી ડોક્યુમેન્ટ સાથે ઉપરોક્ત વિગતો સાથેનું એગ્રીમેન્ટ/ઠરાવ લગત શાખા અધિકારીશ્રી દ્વારા સર્ટિફાઇડ કરી આપવાનું રહેશે તેમજ આ વિગતોને આધારે બેંક પેમેન્ટ, ટી.ડી.એસ. અને જી.એસ.ટી. રીટર્ન ફાઈલ થતા હોય આ બાબતે તમામ જવાબદારી લગત શાખા અધિકારીશ્રીની રહેશે.

આ ઉપરાંત પાર્ટી/એજન્સીઓના બિલ - પેમેન્ટ વાઉચર બનાવતી વખતે પાર્ટીનું નામ, બેંક ડીટેઈલ, પાન અને જી.એસ.ટી.નંબર બિલ વાઉચર અને વેન્ડર / પાર્ટી સિલેક્શનમાં ચેક કર્યા બાદ જ લગત શાખા દ્વારા પેમેન્ટ અર્થે આગળની કાર્યવાહી માટે સીડીટ અને હિસાબી શાખામાં મોકલવું તેમજ આ બાબતમાં કોઈ પણ પ્રકારની ભૂલ હશેતો તેની સંપૂર્ણ જવાબદારી જે શાખા દ્વારા બિલ બનાવવામાં આવેલું હોય તેના શાખા અધિકારીશ્રીની રહેશે.

નાયબ કમિશનર

રાજકોટ મહાનગરપાલિકા

નકલ અમલવારી અર્થે:-

(૧) તમામ શાખા અધિકારીશ્રી

રાજકોટ મહાનગરપાલિકા
જી. એસ. ટી. નંબર
સે. નં. ૬૫૬ નંબર
સરીખ

(સહી)

તમામ ડેપુટી કમિશનર
વે. (C&M, Med. & Ed)
સહાયક કમિશનર ક્રીમી

28/8

સુધારા કરવાની રહેશે
6/8/18
C&M

(5) C&M

R.M.C./C./ ૬૩૨

કચિન્નર વિભાગ,
રાજકોટ મહાનગર સેવાસદન
તા. ૧૦/૬/૨૦૧૩

હુકમ :-

વિષય:- ઈ-ટેન્ડર / ઓપન ટેન્ડર પદ્ધતિથી મંગાવવામાં આવતી તમામ પ્રકારની ઓફરો સાથે બિનઅધિકૃત રજુ થતા ડોક્યુમેન્ટસ સામે કડક કાર્યવાહી હાથ ધરવા બાબત.

સંદર્ભ :- આ ગણાઉનાં પરીપત્ર નં. આર.એમ.સી./સી./૩૨૯, તા.૩૨/૧૨/૨૦૧૨.

રાજકોટ મહાનગર સેવાસદનના ત્રણ જોનનાં તમામ વોર્ડમાં શહેરનાં વિકાસ તથા જાળવણી માટે વિવિધ કામગીરી કરાવવા ઈ-ટેન્ડર / ઓપન ટેન્ડર પદ્ધતિથી અલગ અલગ એજન્સીઓ પાસેથી સ્પર્ધાત્મક ધોરણે અખબારી પ્રસિધ્ધિથી ભાવો ટુ બીડ સીસ્ટમ (૧) ટેકનીકલ બીડ (૨) પ્રાઈઝ બીડ થી મંગાવવામાં આવે છે.

સંદર્ભના પ્રસિધ્ધ કરેલ પરીપત્ર મુજબ તમામ ઈ-ટેન્ડર / ઓપન ટેન્ડરથી મંગાવવામાં આવતાં ભાવો સાથે ભાવ ભરનાર એજન્સીઓ / બીડરો દ્વારા ટેન્ડર બીડ માટે રજુ કરવાનાં થતાં તમામ ડોક્યુમેન્ટસ ફરજિયાતપણે ખરી નકલમાં અથવા સેલ્ફ એટેસ્ટેડ રજુ કરવા આદેશ કરવામાં આવેલ છે. જે સંબંધે નીચે મુજબનાં હુકમની અમલવારી તાત્કાલીક અસરથી કરવા આદેશ કરવામાં આવે છે.

(૧) તમામ ટેન્ડરકામોના ટેકનીકલ બીડ ઓપન કરતી વખતે જે ટેન્ડર બીડ ભરનાર એજન્સીઓ દ્વારા તમામ ડોક્યુમેન્ટસ કે તે પૈકી કોઈપણ એક ડોક્યુમેન્ટસ ખરી નકલમાં અથવા સેલ્ફ એટેસ્ટેડ રજુ કરેલ ન હોય તો રજુ થયેલ ટેકનીકલ બીડ ઓપન કરવાની કાર્યવાહી દરમ્યાન ટેકનીકલ બીડ ઓપન કરનાર સંબંધિત અધિકારીશ્રી / કર્મચારીશ્રીએ Disqualify પ્રકારનો રબ્બર સ્ટેમ્પ બિનઅધિકૃત રજુ થયેલ ટેન્ડરનાં તમામ પાને લગાવી ટેકનીકલ બીડમાં ટેન્ડર Disqualify ફરજિયાતપણે કરવાનું રહેશે.

જે ટેન્ડર ખરી નકલ કે સેલ્ફ એટેસ્ટેડ સાથે રજુ થયેલ નથી, તેવું ટેકનીકલ બીડમાં ધ્યાને આવ્યેથી રજુ થયેલ ટેન્ડરને Disqualify ન કરી, તે બીડરનું જો પ્રાઈઝ બીડ ખોલવામાં આવશે તો આવા પ્રાઈઝ બીડ ખોલનાર તમામ સંબંધિત અધિકારીશ્રી / કર્મચારીશ્રી સામે સખત શિક્ષાત્મક પગલાં લેવાની ફરજ પડશે.

(૨) તમામ ટેન્ડરોનાં કિસ્સાઓમાં સંબંધિત ખરી નકલમાં રજુ થયેલ તમામ ડોક્યુમેન્ટસની મુળ (ઓરીજીનલ) નકલ મંગાવી તેની ખરી નકલની ચકાસણી ફરજિયાતપણે સંબંધિત ડી.ઈ.ઈ.શ્રી તથા મ.ઈ.શ્રી / અ.મ.ઈ.શ્રીએ કરવાની રહેશે. જે મુળ નકલ સાથે વેરીફાઇ કર્યાની સહી ફરજિયાતપણે દરેક ખરી નકલમાં સંબંધિત ડી.ઈ.ઈ.શ્રી / મ.ઈ.શ્રી / અ.મ.ઈ.શ્રીએ કરવાની રહેશે. તે પહેલાં તે ટેન્ડરની પ્રાઈઝ બીડ ઓપન કરી શકાશે નહીં, જેમાં ફરજનુક થયેથી સંબંધિત જવાબદાર ડી.ઈ.ઈ.શ્રી / મ.ઈ.શ્રી / અ.મ.ઈ.શ્રી ની સામે કડક ખાતાકીય પગલાં લેવાની ફરજ પડશે.

(૩) ક્રમ નં. (૧) તથા (૨) મુજબની ચકાસણી કરવા છતાં જે કિસ્સામાં ટેકનીકલ બીડ ઓપન કરતાં બીડર દ્વારા કોઈપણ પ્રકારનાં ફોડ ડોક્યુમેન્ટસ રજુ કરી કામ મેળવવા માટે પ્રયાસ કર્યાનું સાબિત થશે, તેવા કિસ્સામાં બીડર / એજન્સીને બ્લેકલીસ્ટ કરી, આવા બીડર સામે ફરજિયાતપણે કોજદારી કાર્યવાહી સંબંધિત શાખાના વડા તથા વીજલન્સ અધિકારીશ્રી (પ્રોટેક્શન) દ્વારા જોઈન્ટલી ટિન-૭ માં કરવા આદેશ કરવામાં આવે છે. જેની લેખિતમાં

જાણ તાત્કાલીક અંગે કરવાની રહેશે, જેમાં ચૂક થયેથી સંબંધીત તમામ અધિકારીશ્રી / કર્મચારીશ્રી સામે કડક પગલાં લેવા ફરજ પડશે.

- (૪) સંદર્ભનો પરીપત્ર તથા આ હુકમ તમામ પ્રકારનાં ટેકનીકલ કામના દરેક ટેન્ડર પ્રશિધ્ધ કરતી વખતે ટેન્ડરનો હિસ્સો ગણતરી ટેન્ડરના ભાગ તરીકે પ્રશિધ્ધ કરવાનું ફરજિયાત રહેશે, તથા બીડર દ્વારા ટેન્ડરમાં પ્રશિધ્ધ થતાં સંદર્ભનાં પરીપત્ર તથા આ હુકમનાં દરેક પાને સહી ચિકકા સાથે ભરેલ ટેન્ડરની ટેકનીકલ બીડ ફરજિયાત રજુ કરવાની રહેશે.

ઉપરોક્ત હુકમનો તાત્કાલીક અસરથી ચુસ્તપણે અમલ કરવા આદેશ કરવામાં આવે છે.



કમિશ્નરશ્રી.

રાજકોટ મહાનગર સેવાસદન

નકલ રવાના (જાણ અર્થે):-

નાયબ કમિશ્નરશ્રીઓ (તમામ)

નકલ જાણ તથા અમલવારી અર્થે :-

(૧) સહાયક કમિશ્નરશ્રીઓ (તમામ)

(૨) શાખાધિકારીશ્રીઓ (તમામ)

આર.એમ.સી./સી. ૩૨૪

રાજકોટ મહાનગરપાલિકા

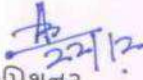
કમિશનર વિભાગ

તા.૨૨/૧૨/૨૦૧૨

પરિપત્ર:-

ઇ-ટેન્ડર પદ્ધતિ / ઓપન ટેન્ડર પદ્ધતિથી માંગવામાં આવતી ઓફરોમાં એજન્સીઓ દ્વારા ટેકનીકલ બીડમાં રજુ કરવામાં આવતા ડોક્યુમેન્ટ્સ જેવા કે ટર્નઓવર, અનુભવના પ્રમાણપત્રો વિગેરે ખરી નકલમાં રજૂ કરવામાં આવતા નથી. આથી હવે પછીથી એજન્સીઓ દ્વારા રજૂ થતાં ટેકનીકલ બીડમાં રજુ કરવામાં આવતા ડોક્યુમેન્ટ્સ ખરી નકલમાં અથવા સેલ્ફ એટેસ્ટેડ હોવા જરૂરી છે તેમજ જે એજન્સીનું ટેન્ડર ટેકનીકલ બીડમાં ક્વોલીફાય થાય અને ખરી નકલ ગેઝેટેડ ઓફીસર મારફત પ્રમાણિત કરાવેલ ન હોય તેવા કેસમાં તેના ઓરીજીનલ ડોક્યુમેન્ટ્સ પ્રાઇસબીડ ખોલતા પહેલા ચકાસી અને ખરી નકલ રજૂ કરાવીને જ ખોલવાના રહેશે તથા આ બાબતનું શાખાધિકારીશ્રીઓએ ચુસ્તપણે પાલન કરાવવાનું રહેશે. આમ ન થયેથી પુરતી ચકાસણીને અભાવે જો કોઇ એજન્સીને ખોટા કે અધુરા આધારો સાથે કામ આપવાની ક્ષતિજનક બાબત જાણમાં આવ્યે તે ટેન્ડર ડોક્યુમેન્ટ્સની ચકાસણી કરનાર કર્મચારીશ્રીઓ તેમજ શાખાધિકારીશ્રીની જવાબદારી નક્કી કરવામાં આવશે, જેની સર્વે શાખાધિકારીશ્રીઓએ નોંધ લેવી.

ઉપરોક્ત બાબતનો અમલ તાત્કાલિક અસરથી કરવો.


કમિશનર

રાજકોટ મહાનગરપાલિકા

નકલ રવાના :- (જાણ અર્થે)

- નાયબ કમિશનરશ્રીઓ (તમામ)

નકલ જાણ તથા અમલવારી અર્થે :-

- સહાયક કમિશનરશ્રીઓ (તમામ)

- શાખાધિકારીશ્રીઓ (તમામ)

જોજદારી કાર્યરીતી અધિનિયમ ૧૯૭૩ (૧૯૭૪ નં. ૨) ની કલમ ૧૪૪ અન્વયે ઠાકેલ ફુકમ

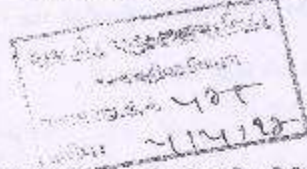
જોજદારી કાર્યરીતી અધિનિયમ ૧૯૭૩ (૧૯૭૪ નં. ૨) ની કલમ ૧૪૪ અન્વયે ઠાકેલ ફુકમ

કચ્છ બોસ.બી./મજુર/જાહેરનામું/૧૬૩૬/૨૦૧૪.

પોલીસ કમિશનરીની કચેરી,

રાજકોટ શહેર, રાજકોટ.

તા. ૨૬/૦૪/૨૦૧૪



રાજકોટ શહેરમાં રાજકોટ સીડીના બનાવો વખતે પાસે છે. ભુતકાળના રાજકોટ શહેરમાં બનેલ ઘરકોટ સીડીના બનાવોની તપાસ કરતા તપાસમાં આવા ગુનો કરનાર (સીડીકોટ) પકડાયેલ છે. ત્યારે તપાસમાં આવા ગુનો વાળા આરોપીઓ ગુનાના બનાવના દિવસે અગાઉ રાજકોટ શહેરમાં નવા બંધાતા ગામોમાં જુદી જુદી ઓધોગીક કંપનીઓમાં, કોર્પોરેશનમાં મજુરી કામ અને ટેલીફોન કંપનીઓ વગેરે તથા ગેસ પાઇપ લાઇન માટે ખોદાતા ખાડાઓની મજુરી કામ મેળવી અથવા તેના બહાના ફેકલ આવી રોકાણ કરી આજુબાજુની સ્થાનિક પરીસ્થિતીનું સર્વે કરી માફિયાનાર થઈ મિલકત વિરુધ્ધના ગુનોઓ આચરતા હોય છે. મજુરી કામના બહાના ફેકલ આતંકવાદીઓ પણ આશરો મેળવી લેતા હોય છે જેથી જાહેર જનતાની જાન-માલ (મિલકત)ની સલામતી તથા સુરક્ષા સારૂ શોડા નિયંત્રણો મુકવા જરૂરી અગાથ છે.

જેથી ફુ મોકલ અ. (સ.પ.સ.), પોલીસ કમિશનર, રાજકોટ શહેર જોજદારી કાર્યરીતી અધિનિયમ (સી.આર.પી.સી.) ૧૯૭૩ (૧૯૭૪ નં. ૨) ની કલમ ૧૪૪ અન્વયે અમોને મળેલ સત્તાની હેઠળ આથી ફુ ફુકમ કરુ છુ કે, રાજકોટ શહેરના પોલીસ કમિશનર વિભાગના લેબર કોન્ટ્રાક્ટર/મુકાદમનારોએ પોતાની ખાસે જે મજુર કામે રાખેલ હોય અને મજુરી કામકાજ માટે સપ્લાય કરતા હોય તેઓએ નીચે જણાવેલ કોર્મ મુજબ દરેક મજુરોના પાલન-અલગ કોર્મ સારી કરજીયાત પાડે સ્થાનિક પોલીસ સ્ટેશનને જણા કરવાની રહેશે તથા મજુરી જથ્થાને મજુરી કામ તથા રાજકોટ શહેર છોડી જતા રહે ત્યારે લેબર કોન્ટ્રાક્ટર/મુકાદમે તે અંગેની જાણ નામ/સરનામા સહિતની વિગત સાથે સ્થાનિક પી.સી.પા કરવાની રહેશે.

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| ૧ | લેબર કોન્ટ્રાક્ટર / મુકાદમ (સપ્લાયર) નું પુરું નામ સરનામું | - |
| ૨ | મો.નં., નંબર સહિત | - |
| ૩ | મજુરનું નામ તથા ઉ.વ. | - |
| ૪ | મજુરનું કાલનું સરનામું ટેલીફોન નંબર | - |
| ૫ | મજુરનું મૂળ વતનનું સરનામું ગામ, તાલુકો, જિલ્લો | - |
| ૬ | કાલની મજુરીનું સ્થાન / કંપનીનું નામ | - |
| ૭ | મજુરનું વતનનું સ્થાનિક પી.સી.નું નામ તથા ટેલીફોન નંબર | - |
| ૮ | મજુરના વતનના આગેવાનનું નામ, સરનામું, ટેલીફોન નંબર | - |
| ૯ | મજુર અગાઉ કોઈ પોલીસ ગુનામાં પકડાયેલ હોય તો તેની વિગત | - |
| ૧૦ | કચ્છ સીડી કોન્ટ્રાક્ટર / કોન્ટ્રાક્ટર મજુરી કામ માટે રાખેલ છે | - |
| ૧૧ | મજુરનું જોનામ માટેનું આલકી પુરું (કોટા સારું નું) | - |
| ૧૨ | રાજકોટ શહેરમાં કઈ તારીખથી મજુરી કામ કરે છે ? અને રકમ તારીખે જવાની છે ? | - |
| ૧૩ | રાજકોટ શહેરમાં નજીકના સંબંધી કોઈ કોયતો તેનું નામ, સરનામું | - |

મજુરનો તાજેતરનો ફોટો

મજુરના અંગુલનું નિશાન

મુકાદમ/સપ્લાયર/કોન્ટ્રાક્ટરની સહી

નામ

આ ફુકમ તા. ૦૧/૦૪/૨૦૧૪ થી તા. ૩૦/૦૪/૨૦૧૪ સુધી અમરમાં રહેશે.

આ ફુકમનો લેંગ. કરનાર અધિકારી વરુણેશ દેસ સહિતનાની કલમ ૧૮૮ મુજબ શિક્ષાને પાત્ર થશે.

સહી: _____

સહી: _____

સહી: _____

સહી: _____

સહી: _____

સહી: _____

તામાને વ્યક્તિગત રીતે મોડી સંખ્યા બજાવવી કરવી શક્ય ન હોય આથી એકતરફી દુકમ કરૂં છું. જાહેર જનતાની જાણ સારું સ્થાનીક વતીવાન પણ આજ્ઞાવાળી બંને ફરદજન કેન્દ્ર પારકતે પ્રસિધ્ધી દવારા તથા પોલીસ સ્ટેશનના પોલીસ સ્ટેન્ડર્ડર, મહત્વની પોલીસ કમિશર, આચાર્ય પોલીસ કમિશર તથા પોલીસ કમિશર કચેરીના બોર્ડીશ બોર્ડ ઉપર દુકમની નકલ યોગ્ય પ્રસિધ્ધી કરવામાં આવશે તેમજ સહેલાઈથી જોઈ શકાય તેવી જાહેર જગ્યાઓ ઉપર દુકમની નકલ યોગ્ય પ્રસિધ્ધી કરવામાં આવશે ગુજરાત પોલીસ એકઠા કરાયા ૧૬૨ મુજબ પોલીસ અધિકારીઓ પણ આ દુકમની જાહેરાત કરવા અધિકૃત ગણાશે.

આજ તારીખે ૨૦/૧૧/૨૦૧૬ ના રોજ મારે હાથ અને સિગ્ને કરી આગેલ છે.



(મોકલ બા)
પોલીસ કમિશર,
રાજકોટ શહેર, રાજકોટ

નકલ રવાના

- (૧) અગ્ર સચિવશ્રી, ગૃહ વિભાગ, ગાંધીનગર.
- (૨) પોલીસ મહાનિરીક્ષક અને મુખ્ય પોલીસ અધિકારીશ્રી, ગુ. રા. ગાંધીનગર
- (૩) અધિક પોલીસ મુખ્ય ડિરેક્ટરશ્રી (સી.સી.) ગુ. રા. ગાંધીનગર.
- (૪) પોલીસ કમિશરશ્રી, જમદારવાર કચેર, રાજકોટ શહેર, ગુરુત શહેર.
- (૫) ખાસ મુખ્ય પોલીસ અધિકારીશ્રી, રાજકોટ કેન્દ્ર, રાજકોટ.
- (૬) જીલ્લા પોલીસ અધિકારીશ્રી, રાજકોટ જિલ્લો, રાજકોટ.
- (૭) રાજકોટ શહેર, રાજકોટ શહેર.
- (૮) મ્યુનિસિપલ કમિશરશ્રી, રાજકોટ શહેર.
- (૯) નિયામકશ્રી, માહિતી પ્રાપ્ત ડી.જી.વરગઢ પહેલ સરવળ જુના સચિવાલય પ્લોટ નં.૩, વીજા માથે, ગુ. રા. ગાંધીનગર.
- (૧૦) જીલ્લા સરકારી નકલશ્રી, સેક્શન કોડે, રાજકોટ.
- (૧૧) મેનેજરશ્રી, જલ્દીગંજ પો.સ. રાજકોટ. (સી.સી. ગાંધીનગર માં પ્રસિધ્ધ કરવા સારું).
- (૧૨) મહત્વની પોલીસ કમિશરશ્રી, પૂર્વ/ પશ્ચિમ વિભાગ, રાજકોટ શહેર.
- (૧૩) આર્થિક કમિશરશ્રી (સી.સી.), રાજકોટ રીક્રીમલ, રાજકોટ.
- (૧૪) આચાર્ય પોલીસ અધિકારીશ્રી/પો.કે.સી. રાજકોટ જેલ, જંઞાન પો.સી.
- (૧૫) તમામ પો.સે.ઈન્ચાર્જશ્રીઓ રાજકોટ રહેવાનગરો પોલીસ ડાઉન સ્પીકર વાગેલ દવારા જાહેરાત કરાવવા સારું.
- (૧૬) તમામ જાનોડ તથા શાખા ઈન્ચાર્જશ્રીઓ, રાજકોટ શહેર.
- (૧૭) રાજકોટ ઈન્ચાર્જશ્રી, રાજકોટ શહેર (પાટ નકલ) વર્તમાનપત્રોને આપવી.
- (૧૮) રેવર કમિશરશ્રી, ... તમામ જાનોડી સભ્યશ્રીને અવગત કરાવવા સારું.

નકલ સચિવાલય રવાના

- (૧) રજીસ્ટ્રારશ્રી, રાજકોટ, ગુ. રા. રાજકોટ જાનરલ.
 - (૨) રજીસ્ટ્રારશ્રી, રીસ્ટ્રીક્ટ એન્ડ સેશનલ કોર્ટ, રાજકોટ.
 - (૩) રજીસ્ટ્રારશ્રી, સીડી જનુકીશ્વર મેજીસ્ટ્રી કોર્ટ, રાજકોટ.
 - (૪) રજીસ્ટ્રારશ્રી, મેડીસલ સેશનલ જજ કોર્ટ, રાજકોટ.
 - (૫) એક્ઝીક્યુટીવ મેજીસ્ટ્રી, રાજકોટ શહેર.
 - (૬) એક્ઝીક્યુટીવ મેજીસ્ટ્રી, રાજકોટ તાલુકો.
 - (૭) સચુકત માહિતી નિયામકશ્રી, રાજકોટ.
- (સ્થાનીક વર્તમાનપત્રો, આજ્ઞાવાળી તથા ફરદજન કેન્દ્રમાં પ્રસિધ્ધ કરવા અને વર્તમાનપત્રોની કાપડીઓ શોધાવવા સારું)

૧૭/૧૧/૧૬

Note: The Declaration submitted earlier to this office will not be considered as such a fresh Declaration shall have to be done as on the milestone dates of this tender document

**(Declaration To be submitted on Non-Judicial Stamp Paper of Rs.300/-)
DECLARATION**

I / We hereby declare that I/ We am/ are not partner(s) black listed / Terminated / Debarred or connected with firm black listed in any States, CPWD / MES / Railways or any Government, Semi-Government, Autonomous Body or Private body. Also, no complaint is lodged against the Firm / Company.

At present I / We am/are registered as approved contractor(s), firms in _____ State, CPWD/MES/Railways.

We, the partners/ owners of this firm, hereby give an undertaking that we are jointly and severally responsible to meet all the liabilities ever and above the business of this firm and make good the above financial loss sustained by the Rajkot Municipal Corporation as a result of our abandoning the works entrusted to us.

Date:

Seal and Signature of the Bidder