



<b>Name of Work :-</b>	<b>Leakage repairing work of different sizes of M.S. pipe ,G.R.P. pipe and C.I. / D.I. lines in East Zone-B, West Zone, North Zone and Central Zone area, Surat. (2nd Attempt)</b>
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E-Tender

TENDER NOTICE (online) NO: ADD. C.E. & I/C. C.E./Drainage/02/2026-27, Work No.03

**VOLUME-I: TECHNICAL BID**

**Last date of download of tender documents from website smctender.nprocure.com** : 25/06/2026 to 13/07/2026 up to 18.00 hrs.

**Pre-bid query** : 02/07/2026

**Last date of submission of online tender** : Up to 13/07/2026, up to 18:00 hrs.

**Last date of submission of tender fees, EMD and other documents in hard copy (as mentioned in Tender Document)** : From 14/07/2026 to 22/07/2026 to Chief Accountant SMC, Tapipura, Muglisara, Surat by R.P.A.D./Speed Post up to 17:00 hrs.

**Estimated Cost** : Rs.1,75,00,000.00 (Without GST)

**Earnest Money Deposit (EMD)** : Rs. 1,75,000.00  
100% EMD amount shall be in form of crossed Demand Draft of Nationalised Bank payable at Surat.

**Document Fees** : Rs.4248.00(Incl. CGST 9% and SGST 9%)

**Opening of Tender (Online)** : From 14/07/2026, 10.30 Hrs. onwards. If possible

**Tender to be submitted to:**  
**The Chief Accountant,**  
**Surat Municipal Corporation,**  
**Tapipura, Muglisara, Surat – 395 003.**

## **TENDER DOCUMENT**

**Name of Work :- Leakage repairing work of different sizes of M.S. pipe ,G.R.P. pipe and C.I. / D.I. lines in East Zone-B, West Zone, North Zone and Central Zone area, Surat. (2nd Attempt).**

1. Notice To Intending Tenderers: .....
2. Qualification Of Tenderer: .....
3. Information To Tenderer:.....
4. Submission Of Tender.....
5. Document To Be Submitted In Hard Copy:.....
6. Details / Document To Be Submitted In Qualification (Online).....
7. List Of Approved Bank.....
8. Annexures For Pre-Qualification To Be Filled In By Tenderer.....
9. Percentage Rate Tender And Contract For Works General Rules And Directions For The Guidance Of Contractors.....
10. Tender For Works .....
11. Contract Agreement For.....
12. Surety .....
13. GST Clause .....
14. Important Points To Be Brought To Tenderer's Notice.....
15. Conditions Of Contract .....
16. Schedule -A .....
17. Schedule – B .....
18. Important Instruction To Tenderer.....
19. Memorandum Of Works: .....
20. Special Conditions Of Contract.....
21. Additional Instructions To The Tenderers .....
22. General Specifications .....
23. General Technical Specification For Building Works .....
24. Specifications Of Materials.....
25. Itemwise Detailed Technical Specification.....

## **1. NOTICE TO INTENDING TENDERERS :**

### **(A) RECEIPT AND OPENING OF TENDER :**

Online Tenders will be received from the established and reliable contractors on or before 18.00 hours on 13/07/2026 on website smctender.nprocure.com. The tender received after due time and date specified will not be accepted.

### **(B) NAME OF WORK :- Leakage repairing work of different sizes of M.S. pipe ,G.R.P. pipe and C.I. / D.I. lines in East Zone-B, West Zone, North Zone and Central Zone area, Surat. (2nd Attempt).**

1. Estimated Cost :- Rs. 1,75,00,000.00 (Without GST)
2. Earnest Money Deposit :- Rs. 1,75,000.00  
100% EMD amount shall be in form of crossed Demand Draft of Nationalized Bank payable at Surat.
3. Time Limit :- 24 (Twenty Four) months (Including monsoon)
4. Document Fee :- Rs. 4248.00(Incl. CGST 9% and SGST 9%)
5. Registration required :- “ B ” Class

### **(C) OPENING OF TENDERS:**

The tenders will be opened online subject to receiving the copy of Tender Fees, EMD, Affidavit on non-judicial stamp paper of Rs.300/- and undertaking of not blacklisted on non-judicial stamp paper of Rs.300/-with documents required for qualification. The tenders will be opened in two stages i.e. Technical Bid and price Bid.

### **(D) PURCHASE OF TENDER DOCUMENTS:**

Tender Documents can be downloaded from smctender.nprocure.com upto dt. 13/07/2026, 18.00 hrs.

Tender documents fees per set which is required for submission of tender towards the cost of tender documents in form of pay order or by demand draft of any nationalized bank, in favour of "The Commissioner, Surat Municipal Corporation" payable at Surat and shall be submitted along with EMD and other documents. The cost of the Tender Documents will not be refunded in any circumstances. The Surat Municipal Corporation shall not be liable for any postal delay in any case.

Demand Draft for E.M.D. & Tender (Bid) fee shall be submitted in electronic format through online mode (by scanning) while uploading the bid. This submission shall mean that E.M.D. & tender fee are received for purpose of opening of the bid. Accordingly offer of those shall be opened whose E.M.D. & tender (bid) fee is received electronically. However, for the purpose of realization of D.D. bidder shall send the D.D. in original through RPAD / Speed post as per Clause as to reach to Chief Accountant, SMC within 7 days from the last date of online submission of the bid as per tender notice.

Penaltative action will be taken for not submitting original Demand Draft in the account department of Surat Municipal Corporation within 7 days from the last date of online submission of the bid for the first time as mentioned below.

Sr. No.	Tender Amount	Penalty Amount in Rs.
1.	Up to Rs. 1 Crore	Rs. 10,000/-
2.	More than Rs. 1 Crore and Upto Rs. 10 Crore	Rs. 20,000/-
3.	More than Rs. 10 Crore and Upto Rs. 50 Crore	Rs. 30,000/-
4.	More than Rs. 50 Crore and Upto Rs. 100 Crore	Rs. 70,000/-
5.	More than Rs. 100 Crore	Rs. 1,00,000/-

If bidder will not submit the penalty amount within 10 days to Surat Municipal Corporation and/or bidder will not submit the demand draft in original for the second time and after, Penaltative action shall be taken for abeyance of registration and cancellation of E-tendering code for 6 (six) months.

Any documents in supporting of bid shall be in electronic format only through online (by scanning) & hard copy will not be accepted separately.

**(E) CONTRACT PERIOD:**

The total contract period is hereby fixed as **24 (Twenty Four) months including monsoon from the 15<sup>th</sup> Day of issuance of work order.**

No Execution work shall be permitted on site from 20<sup>th</sup> May to 30<sup>th</sup> September. However, material procurement shall be permitted.

**(F) Tenderer must comply with and agree to all instructions & requirements in the Notice and in the Instructions to Tenderers, including requirements in the Contract Documents.**

- (a) All tenders must be submitted in the prescribed Tender form.
- (b) Each Tender must be accompanied by the completion Schedule.
- (c) Each tender must be accompanied by Tender Security (Earnest Money Deposit) as specified in the tender notice.
- (d) The successful tenderer shall execute the Contract Agreement within fifteen days after the date of Notice of award.
- (e) The successful Tenderer will be required to furnish a performance bond (Security Deposit) of an amount equal to (2%) Two percent of the tendered amount.
- (f) The successful Tenderer shall furnish insurance in accordance with the contract documents.
- (g) The Surat Municipal Corporation may withhold issuance of the Notice of proceed for a period not exceeding fifteen days after the date of execution of the contract agreement.
- (h) The tender and tender guarantee bond (Earnest Money Deposit) shall be submitted by the Agency in whose name tender has been issued. Transfer of tender documents to any other party is prohibited.
- (i) All intending tenderers will have to purchase digital signatures in order to participate in the online bidding process.
- (j) All the applicant contractors are required to have their own employers' code number under EPF Act, 1952 and are required to comply the applicable provisions of said statute regularly and totally.

**(G) TENDER VALIDITY PERIOD:**

The validity period of the tender submitted for this work shall be of one hundred twenty (120) calendar days from the last days of online receipt of tender for this work and the Tenderer shall not be allowed to withdraw or modify the tender offer on his own during the validity period.

**(H) RIGHTS RESERVED:**

Without assigning any reason, The Surat Municipal Corporation reserves the right to reject the lowest or any other or all tenders or part of it. To waive any informality or irregularity in any tender, which in the opinion of the Surat Municipal Corporation does not appear to be in its best interest and the tenderer shall have no cause of action or claim against the Surat Municipal Corporation or its officers, employee, successors or assignees for rejection of this tender.

The Surat Municipal Corporation further reserves the right to withhold issuance of the notice to proceed, after execution of the contract agreement by the successful Tenderer. The Surat Municipal Corporation is not obliged to give reasons for any such action.

During Tender validity period, if any Tenderer withdraws or makes any modifications or additions in the terms and conditions on his own in this tender, then The Surat Municipal Corporation shall without prejudice to any right or remedy be at liberty to reject the tender and forfeit the Earnest Money Deposit in full. Such Tenderer may be disqualified from tendering for further works under the jurisdiction of The Surat Municipal Corporation.

The Surat Municipal Corporation reserves the right to increase or decrease the scope of work and split the tender in two or more parts without assigning any reason even after the award of contract.

- (I)** The EMD and Tender Fee shall be of any nationalized bank or the list of banks provided in the tender, in favor of “The Commissioner, Surat Municipal Corporation” payable at Surat.

SEAL&SIGNATURE OF THE CONTRACTOR:-

ADDRESS:-

DATE:-

Executive Engineer  
Drainage Department  
Surat Municipal Corporation

## **2. QUALIFICATION OF TENDERER:**

The requirements mentioned below under this clause constitute qualification criteria for this work. All submitted documents shall be colored Scanned copies to be seen as original with self-attested or Notarized with copy clearly displaying stamp, number and name of the notary. Submitted documents shall be valid and identical to the qualification criteria. Please note that absence of online submission of following essential mandatory documents shall lead the bidder to straight disqualification. No relaxation shall be provided to the bidder at a later stage.

Mainly tenderer shall fulfil following Technical & Financial pre-qualification criteria as a main contractor. The tenderer shall submit the following all points requirements / experiences for qualification.

A. Average Annual Turnover during last 3 years, ending 31st March of previous financial year, should be at least 30% of total estimated cost of the tender including GST. Here, if last financial year's turnover certificate is not available or not audited, then years before last financial year shall be considered.

B. The Bidder should have satisfactorily completed any of the works during last seven years ending last day of month previous to the one in which applications are invited, matching the following criteria for qualifying the tenderer.

(1a) Three similar completed works, each costing not less than amount equal to 40% of the estimated cost, (i.e. 40% of Rs. 175 Lacs) i.e. Min. Rs. 70.00 Lacs. (Without GST) or {i.e. 40% of (Rs. 175 Lacs + 18% GST)} i.e. Min. Rs. 82.60 Lacs. (With GST)

**OR**

(2a) Two similar completed works, each costing not less the amount equal to 50% of the Estimated Cost, (i.e. 50% of Rs. 175 Lacs) i.e. Min. Rs. 87.50 Lacs. (Without GST) or {i.e. 50% of (Rs. 175 Lacs + 18% GST)} i.e. Min. Rs. 103.25 Lacs. (With GST)

**OR**

(3a) One similar completed works, each costing not less the amount equal to 80% of the Estimated Cost, (i.e. 80% of Rs. 175 Lacs) i.e. Min. Rs. 140.00 Lacs. (Without GST) {i.e. 80% of (Rs. 175 Lacs + 18% GST)} i.e. Min. Rs. 165.20 Lacs. (With GST)

**Similar works means works of M.S./ C.I./ D.I./ P.S.C./G.R.P. / Pressure Line Network laying &/Or Leakage maintenance work for line.**

- (A) The works carried out for Government or Semi-Government or ULB shall only be considered for qualification. The necessary work completion certificate from not below the rank of Executive Engineer shall only be considered.
- (B) The Bidder should submit Solvency Certificate minimum value of 20 % of the total estimated capital cost (Including GST) put to the tender issued by scheduled bank/Nationalized bank only and should be effective and in force on the last date of receipt of bids. It will be the responsibility of the bidder to get the extension of the effectiveness of solvency certificate from corresponding bank, up to the tender validity period. If the same is getting expired before that, the same should be produced with necessary extension within 15 days of expiry of such solvency or as and when asked by S.M.C., whichever is earlier. Failing which will be liable for rejection of bid without assigning any reason thereof. (Considering validity as 1 year from date of issue of Solvency Certificate).

- (C) Colored Scanned notarized copy of registration with MES, various departments of State Government, Surat Municipal Corporation, CPWD etc.  
**Registration required: “B”class**
- (D) List of the works already completed in last 07 years in prescribed Performa and attested copies of certificates from head of the office concerned for completion of the works.
- (E) Following enhancement factors will be used for the cost of works executed and financial figures to arrive at common base for the value of the works completed in India.

**Cut of month shall be considered from last day of month previous to the one in which applications are invited. If tender submission Date changes in any of addenda corrigendum the cut off month shall be changed accordingly.**

Financial Year	Multiplying factor
2025-2026	1.1
2024-2025	1.21
2023-2024	1.33
2022-2023	1.46
2021-2022	1.61
2020-2021	1.77
2019-2020	1.95

\*Financial Year 2019-2020 means 1 April 2019 to 31 March 2020.

Bidder should indicate actual figures of costs and amount for the work executed in Annexure – I without accounting for the above-mentioned factors.

- (F) Declaration regarding the work on hand with the tenderer shall also be given in prescribed Performa as per Annexure-II. Attested copies of work orders, interim certificates if any shall also be attached as supporting documents.
- (G) Attested copy of partnership deed, power of attorney etc.
- (H) For records reasons, SMC shall have absolute powers to qualify the bidder for any particular work irrespective of its monetary value.
- (I) The tenderer shall furnish a written statement with details in Annexure enclosed.
- (J) Joint Venture or sublet or back to back work shall not be allowed.
- (K) Experience of Joint Venture or sublet or back to back work shall not be allowed.
- (L) The Tenderer shall submit only one tender for the work put to this tender.
- (M) Addenda and Corrigendum online and hard copy (if any). (colored scanned and self-attested)
- (N) The bidder shall note that in case the bidder is Blacklisted/stated as defaulter/Barred participating in tenders by any of government agencies/semi government agencies or any other equivalent agencies during last 5 years then in that case the bidder will be disqualified and will not be allowed to participate in the bidding process, though bidder satisfies all the qualification conditions, mentioned above. In this regard, the decision of the Surat Municipal Corporation will be final and binding to bidder.
- (O) Even though the Bidder meets the above criteria, they are subject to be disqualified if they have  
i) Made misleading or false presentations in the forms, statements and attachments submitted in proof of the qualification requirements; and /or

ii) During verification if it is found from client that of poor performance such as abandoning the works, for financial failure or abnormal delay in work etc.

iii) Regarding Litigation, in case where Bidder or JV partner or MOU Partner is involved in illegal practice like any activities of corruption, coercive practice or debarred/ blacklisted in last 10 years by Any Govt / Organization in respect of performance of Bidder / MOU partner /JV partner, SMC authority requires that bidders under this contracts, observe the highest standard of ethics during the procurement and execution of such contracts.

(1) Will reject a proposal for award if it determines that the bidder has engaged in any corrupt or fraudulent practices in competing for this contract or in past history and

(2) Will reject a proposal if it found debarred/blacklisted by any State Govt. /Govt. of India/Semi Government/ PSU in last 10 years.

iv) The bidder or MOU partner shall not be under any Insolvency Bankruptcy code (IBC) resolution process at National Company Law Tribunal (NCLT) or undergone any Corporate Debt Restructuring (CDR) mode in the past 10 years in India from the date of the submission of the bid.

**Please note that online submission of all above essential documents are mandatory, else bidder shall be liable for rejection - disqualification, and no communication shall be made thereof**

SEAL &SIGNATURE OF THE CONTRACTOR :-

ADDRESS :-

DATE :-

Executive Engineer  
Drainage Department  
Surat Municipal Corporation



### **3. INFORMATION TO TENDERER :**

1.	Tender validity period	:-	120 days (One hundred & Twenty days) from the last date of receipt of tender
2.	Earnest Money Deposit	:-	Rs.1,75,000.00 100% EMD amount shall be in form of crossed Demand Draft of Nationalized Bank payable at Surat.
3.	Security Deposit	:-	As per Chapter No. 15 Condition of Contract, Clause – 1.
4.	Time of Completion	:-	24 (Twenty Four) months (including monsoon)
5.	Defect liability period	:-	12 (Twelve) Months after completion of work
6.	Penalty for delay	:-	Zero Point two percent (0.2%) of the contract price per day maximum up to 10 % (ten percent) of the contract price.
7.	Last date of download of tender	:-	Date:- 25/06/2026 to 13/07/2026 18.00hrs.from <b>smctender.nprocure.com</b>
8.	Last date of submission of online Tender	:-	Date:- 13/07/2026 18.00 hrs.
9.	Last date of Physical submission of Tender fees, EMD and other Documents	:-	From Date :- 14/07/2026 to 22/07/2026 up to 17.00 hrs.
10.	Online query	:-	Bidders shall have to post their queries on e-mail address <a href="mailto:exen.drainage@suratmunicipal.org.in">exen.drainage@suratmunicipal.org.in</a> on or before Date:- 02/07/2026

SEAL & SIGNATURE OF THE CONTRACTOR :-

ADDRESS :-

DATE :-

Executive Engineer  
Drainage Department  
Surat Municipal Corporation

#### **4. SUBMISSION OF TENDER**

- A. E.M.D. & Tender fee shall be submitted in electronic format only through online (by scanning) while uploading the bid. This submission shall mean that E.M.D. & tender fee are received for purpose of opening the Technical bid. Accordingly, offer/tenders of those tenderers whose E.M.D. & tender fee is received electronically, shall be opened. However, for the purpose of realization of EMD and Tender Fee, bidder shall send the EMD as well as Tender fee in required format in original through RPAD/Speed Post so as to reach to Account Department (Main Office) during 14/07/2026 to 22/07/2026 till 17:00 hrs, Punitive action shall be initiated for non submission of EMD & Tender fees in original to Account Department (Main office) by bidder including abeyance of registration and cancellation of E-tendering code for Six Months. All documents in supporting of bid shall be in electronic format only through online (by colour scanning) during the bidding period & hard copy will not be accepted separately.”

- All supporting documents must be colored scanned to be seen as original, and each document must be self-attested or notarized with the stamp, number, and name of the notary clearly visible, as scanning in black and white or gray will not be acceptable.
- Price bid shall have to be quoted strictly online only. Technical Bid in Hard copy shall be Submitted only by Successful bidders upon intimation from SMC.
- Addenda/corrigenda to these tender documents, if issued must be signed and submitted online & in Hard copy also.

#### **5. TENDER DOCUMENT TO BE SUBMITTED IN HARD COPY:**

"Following Documents shall only be submitted in HARD COPY to Surat Municipal Corporation by all bidders."

- Earnest Money Deposit as mentioned in the Tender. (i.e. D.D)
- Tender Fees as mentioned in the tender. (i.e. D.D)
- Affidavit on Non-Judicial Stamp Paper of Rs.300/- (Annexure- III)
- Undertaking by the tenderer for not blacklisted on Rs. 300/- non-judicial stamp paper of Rs. 300. (Annexure– IX)
- Addenda and Corrigendum (if any). (colored scanned and self-attested)

"Technical Bid and Qualification documents mentioned in the tender and price bid are not to be submitted in Physical Form. Please note that Non-submission of Hard copies of Technical Bid as well as price bid does not absolve the bidders from any liability created from the bid condition and bidding process. Price Bid shall have to be quoted strictly online only. Technical-Bid in Hard copy shall be submitted only by Successful Bidders upon intimation from SMC."

SEAL & SIGNATURE OF THE CONTRACTOR: -

ADDRESS: -

DATE: -

Executive Engineer  
Drainage Department  
Surat Municipal Corporation

## **6. DETAILS / DOCUMENT TO BE SUBMITTED IN QUALIFICATION (online)**

List of documents to be submitted along with the tender documents online on smc.nprocure.com:

**All submitted documents shall be colored Scanned copies to be seen as original with self-attested or Notarized with copy clearly displaying stamp, number and name of the notary)**

- a) The scan copies of Tender fees and EMD. **(Colored scanned)**
- b) Affidavit non-judicial stamp paper of Rs. 300 (Annexure-III) and undertaking of not blacklisted on non-judicial stamp paper of Rs. 300 (Annexure-VII) (Colored Scanned & Notarized copy with clearly displaying stamp, number and name of the notary)
- c) Annexure- I, II, IV, V, VI, VIII and IX in required Performa.
- d) Necessary documents required for various details mentioned in Tender Clause No. (2)  
“Qualification of Tenderers”. (Form 3(A) Experience Certificate, work order of work on hand)
- e) Class Registration Certificate.
- f) Solvency Certificate
- g) Turnover Certificate
- h) Scan Copy of Addenda and Corrigendum (if any).
- i) Company Registration Certificate / Partnership deed / Memorandum of Association (MOA)
- j) Power of Attorney (Except Proprietor Firm)
- k) Contractor’s GST Registration
- l) Audit Balance Sheet for the last 3 years.
- m) Income Tax Return Certificate for the last 3 years)

**PLEASE NOTE THAT THE PRICE BID SHALL HAVE TO BE QUOTED STRICTLY ONLINE ONLY. NO HARD COPY OF PRICE BID SHALL BE ACCEPTED AND IN SUCH CASE THE BIDDER SHALL BE TREATED OUTRIGHTLY REJECTED AND DISQUALIFIED.**

## 7. APPROVED LIST OF BANKS:

- (A) With reference to List of Banks declared by Government of Gujarat, Finance department GR No- FD/MSM/e-file/4/2024/2859/D.M.O. dtd. 01/05/2025 Annexure I bank guarantee issued by following bank shall be accepted.

Guarantees issued by following banks will be accepted as SD/ EMD on permanent basis. All Nationalized Banks.

Guarantees issued by following Banks will be accepted as SD / EMD for period up to March 31, 2026. The validity cut The validity cut-off date in GR is with respect to date of issue of Bank Guaranteed irrespective of date of termination of Bank Guarantee.

- |   |   |
|---|---|
| 1. A U Small Finance Bank                         | 22. Karur Vysya Bank                            |
| 2. Ahmedabad Mercantile Co-operative Bank Limited | 23. Kotak Mahindra Bank                         |
| 3. Axis Bank                                      | 24. NutanNagrikSahakari Bank Limited            |
| 4. Bandhan Bank                                   | 25. Rajkot NagarikSahakari Bank Limited         |
| 5. Barclays Bank                                  | 26. Saraswat Co-operative Bank                  |
| 6. Baroda Gujarat Gramin Bank                     | 27. SBPP Co-operative Bank Ltd.                 |
| 7. City Union Bank                                | 28. SVC Co-operative Bank Ltd.                  |
| 8. CSB Bank                                       | 29. Saurashtra Gramin Bank                      |
| 9. DBS Bank India Limited                         | 30. Standard Chartered Bank                     |
| 10. DCB Bank                                      | 31. South India Bank                            |
| 11. Equitas Small Finance Bank                    | 32. Tamilnadu Mercantile Bank                   |
| 12. ESAF Small Finance Bank                       | 33. The Gujarat State Co-operative Bank         |
| 13. Federal Bank                                  | 34. The Cosmos Co-Op Bank Ltd.                  |
| 14. HDFC Bank                                     | 35. The Mehsana Urban Co-operative Bank Limited |
| 15. HSBC Bank                                     | 36. The Surat District Co-operative Bank        |
| 16. ICICI Bank                                    | 37. The Surat People's Co-Operative Bank Ltd.   |
| 17. IDBI Bank                                     | 38. The Kalupur Commercial Co-op. Bank          |
| 18. IDFC First Bank                               | 39. The Panchmahal District Co-operative Bank   |
| 19. Jammu and Kashmir Bank                        | 40. The Baroda District Co-operative Bank       |
| 20. Jana Small Finance Bank                       | 41. Utkarsh Small Finance Bank                  |
| 21. Karnataka Bank                                | 42. Yes Bank                                    |

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

SEAL & SIGNATURE OF THE CONTRACTOR :-

ADDRESS :-

DATE :-

Executive Engineer  
Drainage Department  
Surat Municipal Corporation

## 8. ANNEXURES FOR PRE-QUALIFICATION TO BE FILLED IN BY TENDERER

### ANNEXURE-I

**Performa for list of works of similar nature already completed by the Tendered.**  
**During last 7 years**

Sr. No	Name of work and place	Cost on Completion	Time taken in months to complete the work	Client Name	Date of Completion
1	2	3	4	5	6

**Note:-**

- It is mandatory to submit the supporting documents / certificates through online (Color Scanned & Notarized or Self attested Copy)
- Bidder shall give completion certificate from client. In absence of such completion certificate, experience shall not be considered for evaluation. If completion certificate covers “Similar work with other work” then bidders shall have to submit copies of final bill indicating similar work or certificate of amount indicating “Similar work” from relevant authority.

SEAL & SIGNATURE OF THE CONTRACTOR

ADDRESS: -

DATE: -

## **ANNEXURE-II**

### **Performa for declaration regarding works on hand with the tenderer:**

Sr. No.	Name of work with place	Estimated Cost	Date of issue of work order	stipulated period of completion	Amount of work done	Brief details of delay, if any	Name of Client
1	2	3	4	5	6	7	8

**Note:**

- It is mandatory to submit the supporting documents / certificates through online(Color Scanned & Notarized or Self attested Copy)
- Amount of work done in Column 6, should be given up to the month previous to the month in which tenders are invited).

SEAL &SIGNATURE OF THE CONTRACTOR

ADDRESS: -

DATE: -

**ANNEXURE-III**  
**AFFIDAVIT**

**Name of Work :- Leakage repairing work of different sizes of M.S. pipe ,G.R.P. pipe and C.I. / D.I. lines in East Zone-B, West Zone, North Zone and Central Zone area, Surat. (2nd Attempt).**

- 1.0 I, the undersigned, do hereby certify that all the statements made in the required attachments are true and correct. I also understand that in case of wrongful/false information, Surat Municipal Ccorporation is entitled to take any civil & criminal punitive action against me/us.
- 2.0 The undersigned also hereby certifies that neither our firm M/s \_\_\_\_\_ nor any of its constituent partners have abandoned any work in India nor any contract awarded to us for such works has been rescinded during last five years, prior to the date of this bid.
- 3.0 The undersigned hereby authorize(s) and request(s) any bank, person, authorities, government or public limited institutions, firm or corporation to furnish pertinent information deemed necessary and requested by the SMC to verify our statements or our competence and general reputation.
- 4.0 The undersigned understands and agrees that further qualifying information may be requested and agrees to furnish any such information at the request of the SMC.
- 5.0 The SMC and its authorized representatives are hereby authorized to conduct any inquiries or investigations to verify the statements, documents, and information submitted in connection with this application and to seek clarification from our bankers and clients regarding any financial and technical aspects. This Affidavit will also serve as authorization to any individual or Authorized representative of any institution referred to in the supporting information, to provide such information deemed necessary and requested by you to verify statements and information provided in the Tender or with regard to the resources, experience and competence of the Applicant.

\_\_\_\_\_  
Signed by the Authorized signatory of the firm

\_\_\_\_\_  
Title of the office

\_\_\_\_\_  
Name of the firm

\_\_\_\_\_  
Date

**Note: -**

- The affidavit format as indicated above to be furnished on non-judicial stamp Paper of Rs.300 and duly notarized.
- It is mandatory to submit the above Affidavit through online (Notarized Color scanning) and in hard copy.

## **ANNEXURE-IV**

### **Details of Technical staff with tenderer**

<b>Sr. No.</b>	<b>Name of personnel</b>	<b>Qualification</b>	<b>Total experience</b>	<b>Who is proposed to be posted for this work</b>

**Submit the above Annexure through online (by colored Scanned copies to be seen as original with self-attested or Notarized)**



**ANNEXURE-V**

**List of tools, plants and equipment with tenderer (Format as per tenderer's choice)**

**Submit the above Annexure through online (by colored Scanned copies to be seen as original with self-attested or Notarized)**

## **ANNEXURE-VI**

**List of tools, plants and equipment to be deployed by the tenderer for the work (Format as per tenderer's choice).**

**Submit the above Annexure through online (by colored Scanned copies to be seen as original with self-attested or Notarized)**

**ANNEXURE-VII**

**Contractors Schedule for execution of work in the form of Bar chart**

<b>Sr. No.</b>	<b>Description of Activity</b>	<b>Start month and date and completion month and Date</b>

**Submit the above Annexure through online (by colored Scanned copies to be seen as original with self-attested or Notarized)**

## **ANNEXURE-VIII**

### **Structure and Organization of the Company**

1. **Name of Applicant**
2. **Nationality of Applicant**
3. **Office Address**  
Telegraphic Address  
Telephone No. (O) (M)  
Telex No.  
Fax No.  
Email address:
4. Year and location of establishment
5. The Applicant is
  - a) An individual
  - b) A proprietary firm
  - c) A firm in partnership
  - d) A limited company or Corp.  
(if a firm in partnership)
6. For how many years has your organization been in business of similar work under its present name? what were your fields when your organization was established?

**Signature of Applicant.**

**Date:**

**Note :- Submit the above Annexure through online (by colored Scanned copies to be seen as original with self-attested or Notarized)**

**ANNEXURE-IX**

**UNDERTAKING BY THE TENDERER FOR NOT BLACK LISTED ON RS.300/-NON-JUDICIALSTAMPPAPER**

**Name of Work :- Leakage repairing work of different sizes of M.S. pipe ,G.R.P. pipe and C.I. / D.I. lines in East Zone-B, West Zone, North Zone and Central Zone area, Surat. (2nd Attempt).**

I M/s. \_\_\_\_\_(Name of the Bidder along with name and address of registered office) hereby certify and confirm that we or any of our promoter/s/ director/s are not barred by Government of Gujarat (GoG)/ any other entity of GoG or blacklisted by any state government or central government/ department/agency/local self Government/Surat Municipal Corporation in India from participating in Project/sand not has been banned/suspended business dealings with the said firm, either individually or as member of a Consortium as on \_\_\_\_\_ (Bid Submission Date).

We further confirm that we are aware that our Bid for the captioned Project would be liable for rejection in case any material mis-representation is made or discovered with regard to the requirements of this Tender at any stage of the Bidding Process or there after during the agreement period.

Dated this \_\_\_\_ day of \_\_\_\_\_ 2026

SIGNATUREANDSEALOFTHECONTRACTOR:

NAMEANDADDRESS:

DATE:

- ❖ It is mandatory to submit the above UNDERTAKING through online (Notarized colour scan copy) and also in hard copy.

## **9. ANNUAL RATE TENDER AND CONTRACT FOR WORKS**

### **GENERAL RULES AND DIRECTIONS FOR THE GUIDANCE OF CONTRACTORS :-**

- (1) All work proposed to be executed by contract shall be notified in a form of invitation to tender Posted online on the website of Surat Municipal Corporation or on a board hung up in the Municipal Office and signed by the Commissioner.

This form will state the work to be carried out, as well as the date for submitting and opening tenders, and the time allowed for carrying out the work; also the amount of earnest money to be deposited with the tender, and the amount of the security deposit to be deposited by the successful tenderer and the percentage, if any to be deducted from bills. It will also state whether are fund of quarry fees, royalty's dues ground rents & water-charges will be granted. Copies of the specifications, designs drawings and estimated rates; schedule rates and any other documents required about the work which will be signed by the Executive Engineer, for the purpose of identification shall also be opened for inspection by contractors at the office of the Executive Engineer, during office hours.

Where the works are proposed to be executed according to the specifications recommended by a contractor and approved by a competent authority on behalf of the Surat Municipal Corporation such specification with designs and drawings shall form part of the accepted tender.

- (2) In the event of the tender being submitted by a firm, it must be signed by each partner thereof, and in the event of the absence of any partner, it shall be signed on his behalf by a person holding a power of attorney authorizing him to do so.
- (3) Receipt for payments made on account of any work when executed by a firm, should also be signed by all the partners, except where the contractors are described in their tender as a firm, in which case the receipts shall be signed in the name of the firm by one of the partners, or by some other person having authority to give effectual receipt for the firm.
- (4) Any person who submits a tender shall fill up the usual printed form including the column total according to estimated quantities, stating at what rate he is willing to undertake each item of the work. Tenders which propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort, will be liable to rejection. No single tender shall include more than one work, but contractors who wish to tender for two or more works shall submit a separate tender for each. Tenders shall have the name and the number of the works to which they refer written outside the envelope.
- (5) ~~The Commissioner or his duly authorized Assistant will open tenders in the presence of any intending contractors who may be present at the time, and will enter the amounts of the several tenders in a comparative statement in suitable form. In the event of a tender being accepted, the contractors shall thereupon, for the purpose of identification sign copies of the specifications and other documents mentioned in Rule.1. In the event of a tender being rejected the deposit will be refundable on application.~~
- (6) The Municipal Corporation shall have the right of rejecting all or of the tenders without assigning any reason.
- (7) No receipt for any payment alleged to have been made by a contractor regard to any matter relating to this tender or the contract shall be valid and binding on Municipal Corporation unless it signed by the Executive Engineer.

- (8) The memorandum of work to be tendered for and the schedule of materials to be supplied by the Municipal Corporation and their rates shall be filled in and completed by the office of the Executive Engineer, before the tender form is issued. If a form issued to an intending tenderer has not been so filled in and completed, he shall request the said office to have this done before he completes and delivers his tender.
- (9) All work shall be measured net by standard measure and according to the rules and custom of the Municipal Department of Surat Municipal Corporation without reference to any local custom.
- (10) Under no circumstances shall any contractor be entitled to claim enhanced rates for any items in this contract.
- (11) Every contractor shall, if so desired by the Commissioner, produce along with his tender a banker's certificate of his financial stability. If he fails to produce such a certificate his tender will not be considered.
- (12) All corrections and additions or pasted slips should be initialed.
- (13) The measurements of work will be taken according to the usual method in use in the SMC and no proposals to adopt alternative methods will be accepted. The Commissioner's decision as to what the usual method in use in the SMC will be final.
- (14) The tender for work shall remain open for a period of 120 days from the last date of online submission of tender for this work and that the tenderer shall not be allowed to withdraw or modify the offer on his own during this period. If any tenderer withdraws or makes modifications of additional in the terms and conditions of his tender not acceptable to the corporation shall without prejudice to any right or remedy be at liberty to forfeit in full said earnest money absolutely.
- (15) Rate Quoted by bidder shall be inclusive of all taxes but Excluding GST. GST shall be paid extra as per prevailing rules.
- (16) Tenderers shall also note that as per the provisions of government, 01 % (one percent) construction cess on the work done amount shall be levied and shall be deducted from each running bill & final bill. The contractor shall quote the rate accordingly.
- (17) The successful tenderer shall submit the copy of technical bid duly sealed & signed within fifteen days of issue of work order.
- (18) The tenderer shall invariably submit the Certificate of Provident Fund of Employee without which bill for payment shall not be processed.
- (19) The successful tenderer shall submit the copy of labour license within fifteen days of issue of work order.
- (20) For the necessary modification / alteration / addition to complete the job, if any civil breaking or repairing is to be done, shall have to be carried out by contractor at his own cost, as per standard engineering practice. It shall be sole responsibility of contractor to clear construction and demolition waste (C.D. Waste) by their own risk and cost. The contractor shall ensure that their site must be clear in all respect by disposing C.D. Waste generated during the work. If it is found that contractor is irregular and showing negligence to dispose C.D. Waste than SMC is empowered to dispose the said C.D. waste through SMC authorized C.D. waste contractor /agency. All the necessary expenditure made towards disposal of this C.D. waste shall be recovered from the contractor along with the administrative charges and penalties.

- (21) During Execution of this tender, the tenderer must strictly follow “The Prohibition of Employment as Manual Scavengers and Their Rehabilitation Act-2013”, “The Prohibition of Employment as Manual Scavengers and Their Rehabilitation Rules-2013”, Supreme Court Judgment for writ petition (Civil) No. 583 of 2003, Government Guidelines for working of Manual Scavengers with their latest embedment etc. Failing which Tenderer/Contractor shall be prosecuted as per the prevailing Rules /Laws/Regulations.

The court hereby directs the Union and the States to ensure that the compensation for sewer deaths is increased (given that the previous amount fixed, i.e., Rs 10 lakhs) was made applicable from 1993. The current equivalent of that amount is Rs.30 lakhs. This shall be the amount to be paid, by the concerned agency, i.e., the Union, the Union Territory or the States as the case may be. In other words, compensation for sewer deaths shall be Rs 30 lakhs. In the event, dependents of any victim have not been paid such amount, the above amount shall be payable to them. Furthermore, this shall be the amount to be hereafter paid, as compensation.

Likewise, in the case of sewer victims suffering disabilities, depending upon the severity of the disabilities, compensation shall be disbursed. However, the minimum compensation shall not be less than Rs. 10 lakhs. If the disability is permanent, and renders the victim economically helpless, the compensation shall not be less than Rs. 20 lakhs.

**NOTE: Also Referred Separate attachment for above point 21.**

SEAL &SIGNATURE OF THE CONTRACTOR :-

ADDRESS :-

DATE :-

Executive Engineer  
Drainage Department  
Surat Municipal Corporation



## 10. TENDER FOR WORKS

I/We hereby tender for the execution for the Surat Municipal Corporation (herein before and herein after referred to as "Municipal Corporation") of the work specified in the memorandum within the time specified in such memorandum at the tendered rates specified in schedule B (memorandum showing items of work to be carried out) and in accordance in all respects with the specification, designs, drawings and instructions in writing referred to in clause 13 of the annexed conditions of contract and agree that when materials for the work are provided by Municipal Corporation such materials and the rates to be paid for them shall be as provided in schedule A hereto should this tender be accepted.

I/We hereby agree to abide by and fulfill all the terms and provisions of the conditions of contract annexed hereto so far as applicable, and in default thereof to forfeit and pay to Municipal Corporation in office the sums of money mentioned in the said conditions.

Receipt No. \_\_\_\_\_ dated \_\_\_\_\_ from Municipal Corporation in respect of the sum of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) / A crossed order cheque of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) No. \_\_\_\_\_ dated \_\_\_\_\_ on the \_\_\_\_\_ in favour of the Commissioner, Surat Municipal Corporation is herewith forwarded representing the earnest money the full value of which is to be absolutely forfeited to Municipal Corporation should I/We not deposit the full amount of security deposit specified in the Memorandum, in accordance with Clause 1 of the said conditions

Contractor:

Address:

Dated the \_\_\_\_\_ day of \_\_\_\_\_ 2026.

(Witness)

(Address)

(Occupation)

The above tender is hereby accepted by me on behalf of the Surat Municipal Corporation.

Deputy Commissioner  
Surat Municipal Corporation

Dated \_\_\_\_\_ day of \_\_\_\_\_ 2026.

## 11. CONTRACT AGREEMENT FOR

**Name of Work :- Leakage repairing work of different sizes of M.S. pipe ,G.R.P. pipe and C.I. / D.I. lines in East Zone-B, West Zone, North Zone and Central Zone area, Surat. (2nd Attempt).**

**AGREEMENT  
Between  
Name of Contractor  
AND  
SURAT MUNICIPAL CORPORATION**

**Name of Work :- Leakage repairing work of different sizes of M.S. pipe ,G.R.P. pipe and C.I. / D.I. lines in East Zone-B, West Zone, North Zone and Central Zone area, Surat. (2nd Attempt).**

**Tender Amount :-**

**Sanctioned Authority :-**

**Work Order No. :-**

This Agreement made on \_\_\_\_\_ day of \_\_\_\_\_ month of year 2026(Two Thousand Twenty Six) between the First Part as ..... (hereinafter called the Contractor) and the Surat Municipal Corporation, a body Corporate and body constituted under the Bombay Municipal Provincial Corporation Act, 1949 and having its office at Tapipura, Muglisara, Surat-395 003 (hereinafter called "The Corporation" which expression shall, unless excluded by or repugnant to the context to be deemed to include its successors and assignees) of the Second Part presented **I/c. City Engineer** of Surat Municipal Corporation on their behalf.

WHEREAS the said Contractor has Tender for the work of Leakage repairing work of different sizes of M.S. pipe ,G.R.P. pipe and C.I. / D.I. lines in East Zone-B, West Zone, North Zone and Central Zone area, Surat. (2nd Attempt), Surat in his Tender **Date:** .....complete with specifications, conditions of contract and annexure attached to the same

AND WHEREAS Corporation having considered the proposal made by the Contractor and having found the tender of the said Contractor is reasonable and adequate.

AND WHEREAS the Corporation has accepted Contractor's tender by **Standing Committee Resolution No....., Dtd.....**having tender amount **Rs. ....**

AND WHEREAS Work Order has been sent to the Contractor vide **DNG/OUT/W/No....., Dtd.....**and contractor has furnished Security Deposit of **Rs.....**vide .....for execution of this work contract.

**NOW IT IS AGREED AS FOLLOWS:**

- (i) That the Contractor agrees to carry out the work as per conditions of contract, specifications, terms & conditions, rates and other condition mentioned as approved by **Standing Committee Resolution No. ...., Dtd.....**in favor of .....
- (ii) That the following shall constitute the part of the contract documents.

- (A) **E- Tender Notice No.** .....  
(B) Tender documents duly filled in all respect signed and sealed by the Contractor.  
(C) Tender Dtd.....  
(D) Sanction of **Standing Comm. Res. No.** .....  
(E) **Work Order No. DNG/OUT/W/No.**.....

IN WITNESS WHEREOF the common seal of the Surat Municipal Corporation has been hereinto affixed in the presence of Two Members of Standing Committee and the **I/c. City Engineer** of Surat Municipal Corporation has hereinto set his hands and sealed and signature of .....has been herein to affixed this day and year of first part above written.

Signed, sealed and delivered by the said Contractor: -

Contractor,

I am responsible if the Contractor does not abide by the condition of this contract.

Signed and sealed by the Surety

Signed in the presence.

Signed in the presence.

SURETY

(Name withfull Address)

**Executive Engineer  
Drainage Department  
Surat Municipal Corporation**

**I/c. City Engineer  
Surat Municipal Corporation**

The common seal of the Municipal Corporation of Surat was affixed on the \_\_\_\_\_ day of month of \_\_\_\_\_ 2026 in presence of (1) and (2) members of the Standing Committee of the Municipal Corporation of Surat city.

1.

2.

**MEMBERS  
STANDING COMMITTEE,  
SURAT MUNICIPAL CORPORATION.**

## 12. SURETY

This bond is made on \_\_\_\_\_ day of the month of \_\_\_\_\_ year 2026 (Two Thousand Twenty-six) between I/We (hereinafter called the Surety / Sureties) of the first part of .....and Second Part **I/c. City Engineer** on behalf of the Surat Municipal Corporation.

WHEREAS the Contractor/Contractors of .....has/have entered into a contract with the Surat Municipal Corporation for the works detailed in next page:

Name of Work	Tender Amount Rs. Ps.	Resolution No. & date sanctioning contract.

AND WHEREAS one of the conditions of the contract being that the Contractor/Contractors shall give Surety/Sureties to the Corporation for the due fulfillment of the contract to the full value of the total expenditure of the work.

Now THIS BOND WITNESSES and it is hereby agreed and declared as follows:

I/We Surety/Sureties hereby bind myself/ourselves responsible for the due fulfillment of the contract in all its respects by the Contractor/Contractors and I/We do hereby agree and undertake to indemnify and keep harmless The Surat Municipal Corporation jointly as well as severally if the Contractor/Contractors fails/fail to carry out the whole or any part of the contract work as per the conditions and specifications of the contract work and as agreed to between the parties to the contract to the extent of full value of the total expenditure to be incurred in that behalf by the Municipal Corporation provided always that the expression "The Surety / Sureties" herein before used shall include the heirs, executors assigns or administrators of each and every person in this context.

IN WITNESS WHEREOF the Surety/Sureties and the **I/c. City Engineer** on behalf of the Surat Municipal Corporation have hereinto set their respective hands this day of the month of the year Two Thousand Twenty-Four.

Signed & sealed by Surety

Signed in the presence.

Signed in the presence.

**Executive Engineer  
Drainage Department  
Surat Municipal Corporation**

**I/c. City Engineer  
Surat Municipal Corporation**

The common seal of the Municipal Corporation of Surat was affixed on the \_\_\_\_\_ day of month of \_\_\_\_\_ 2025 in presence of (1) and (2) members of the Standing Committee of the Municipal Corporation of Surat city.

1. \_\_\_\_\_  
2. \_\_\_\_\_

**MEMBERS  
STANDING COMMITTEE  
SURAT MUNICIPAL CORPORATION.**

## UNDERTAKING

**Name of Work**        :-    **Leakage repairing work of different sizes of M.S. pipe ,G.R.P. pipe and C.I. / D.I. lines in East Zone-B, West Zone, North Zone and Central Zone area, Surat. (2nd Attempt).**

**Tender Amount**        :-

Articles of Agreement made on this \_\_\_\_\_ day of the month of \_\_\_\_\_ 2026 between .....hereinafter called the “Contractor” (which expression shall include their administrator and assignees of the First party) and **I/c. City Engineer** of Surat Municipal Corporation, Surat, Gujarat (which expression include his successors and assignees of Second party).

WHEREAS the Contractor above name had tendered for the above work and the contract agreement for which has been executed on Rs.300.00 Stamp Paper for executing the above work, It is hereby agreed by the Contractor that the value of stamp affixed on the original document is as per inquiry made by the Contractor.

It is further agreed by the Contractor that if the value of the stamp affixed on original contract fails short on the requirement on the date of signing the contract, it shall be made good by the Contractor at his cost as per Government Rules prevailing on the date of signing the agreement and any damage arising due to the original agreement made on stamp paper of Rs.300.00 shall be on account to the Contractor.

**Signed, Sealed & delivered by Contractor  
in the presence of**

**Sign & seal of Contractor.**

Name:

Address:

Name :

Address :

### **13. GST CLAUSE**

#### **FOR CONSTRUCTION / ERECTION / COMMISSIONING / INSTALLATION / REPAIRS MAINTENANCE / RENOVATION /FABRICATION OF STRUCTURE INCLUDING BUILDING (MEANS ALL WORKS CONTRACT / TURN KEY PROJECT / SUPPLY OF MATERIAL / GOODS)**

- GST (Goods and Service Tax) has come in existence from 1<sup>st</sup> July 2017. Contractor /Successful Bidder is bound to pay any amount of GST prescribed by the Govt. of India as per the Terms of Contract agreed upon during the course of execution of this Contract.
- The bidder must consider the prevailing tax structure on last date of bid submission for quoting the tender. During the course of execution of Contract, if there is any change in Rate of GST (Goods and Service Tax) by the Government, the same shall be reimbursed / recovered separately by SMC, subject to the submission of Original Receipt / Proof for amount actually remitted by the successful Tenderer / Contractor to the competent Authority along with a certificate from Chartered Accountant of Contractor / Successful Bidder Certifying that the amount of GST paid to the Government and the same shall be intimated / submitted /claimed within 30 (Thirty) Days from the date of payment. Remittance of GST within stipulated period shall be the sole responsibility of the Successful Bidder / Contractor, failing which, SMC may recover the amount due, from any other payable dues with SMC and decision of Municipal Commissioner shall be final and binding of the Contractor / Successful Bidder in this regard. Further, the nonpayment of GST to the Government may lead to the termination of contract and forfeiture of security Deposit/ Performance Guarantee Amount.
- All duties, taxes, and other levies except GST payable by the contractor under the contract, or for any other cause shall be included in the rates, prices and total Bid Price submitted by the Bidder. (GST will be paid extra)
- Payment of GST (prevailing rates) on the amount payable under the contract to the Contractor will be made by the Employer. Hence, it is the responsibility of the contractor to pay the GST to the concerned Authority.
- The rates quoted by the Contractor must be inclusive of all taxes prevailing on due date of bid submission except GST. However, any subsequent changes in the tax structure by Government after due date of bid submission will be compensated (+/-) on availability or submission of actual documentation. Contractor will have to intimate Engineer regarding changes occurred in the tax structure after bid submission. If the contractor fails to provide such information and if any financial obligation may arise due to change in tax structure, same will be recovered from the contractor. GST will be paid separately on the bills. Hence, it is the responsibility of the contractor to pay the GST to the concerned Authority.

SEAL &SIGNATURE OF THE CONTRACTOR :-

ADDRESS :-

DATE :-

Executive Engineer  
Drainage Department  
Surat Municipal Corporation

**14. IMPORTANT POINTS TO BE BROUGHT TO TENDERER'S NOTICE**

**THE TENDER MAY BE REJECTED OUTRIGHT IF THE TENDERER**

- (A) Stipulates the validity period less than what is stated in the form or tender.
- (B) Stipulates his own conditions.
- (C) Does not quote his rates inclusive of terminal or sales tax or central taxes etc. in his rates.
- (D) Does not disclose the full names and addresses of all his partners in the case of partnership concern.
- (E) Does not fill in and sign the tender form as well as the bill of quantities and rates, annexure, specifications etc.
- (F) Does not pay the Earnest Money Deposit by Pay Order or demand draft with the PART – A: QUALIFICATION/TECHNICAL BID of the tender.
- (G) Does not submit the tender before the stipulated time on the specified date in the accounts office as directed.

SEAL & SIGNATURE OF THE CONTRACTOR :-

ADDRESS :-

DATE :-

Executive Engineer  
Drainage Department  
Surat Municipal Corporation

## **15. CONDITIONS OF CONTRACT**

### **Clause 1.**

The total Security Deposit is 4% (Four) percent of contract value and shall be as under:

The successful tenderer shall have to pay initial security deposit at 2% (two) percent of the tendered amount.

- Initial Security Deposit (2%) shall be paid in form of Cash or Demand Draft/ Pay Order if the Tender Amount of work is **less than Rs. 2.00 crore.**
- Initial Security Deposit (2%) shall be paid in form of Cash or Demand Draft/ Pay Order / bank Guarantee (encashable at Surat city)/ FDR if the tender Amount of work is **more than Rs. 2.00 crore & 2.00 crore.**

The person/persons whose tender may be accepted [here-in after called the Contractor, which expression shall unless excluded by or repugnant to the context include his heirs, executors, administrators and assignees] shall [within 15 days of the receipt by him of the notification of the acceptance of his tender] deposit with Municipal Commissioner cash or Government securities endorsed to the Commissioner sum sufficient which will make up the full security deposit specified in the tender.

If the amount of the security deposit to be paid in lump sum within the period specified above is not paid the tender contract already accepted shall be considered as cancelled. The security deposit lodged by Contractor shall be refunded after the expiry of the Defects Liability period as shown in the attached Memorandum after deducting dues, if any, which become liable to be recovered from the Contractor under the terms and conditions of this Agreement.

**Regarding remittance and release of Security Deposit (SD), Retention money deposit (RMD) following clause will supersede over and above all the clauses depicted in the tender document.**

#### **Tender costing Less than Rs.2.00 Crore.**

##### **(a) Remittance of SD/RMD**

- (i) The total security deposit shall be recovered at the rate of 4% from contractor. Out of which, 50% of amount as Initial Security Deposit shall be payable at the rate of 2% of approved tender cost in form of Cash or Demand Draft/ Pay Order of any Nationalized Bank (encashable at Surat city).
- (ii) The remaining amount of the Security Deposit i.e. 2% to be deducted from each running account bill.
- (iii) 5% Retention money deposit (RMD) to be retained from each running account bill.

##### **(b) Release of SD/RMD**

- (i) The 2% Initial security deposit shall be released after clearance of Final bill by Audit Dept.
- (ii) Whereas, the 2% security deposit recovered from the each running account bills Shall be released only after clearance of Final bill by Audit Dept. & completion of defect liability period.
- (iii) 5% Retention money deposit (RMD) to be released along with final bill.

#### **Tender costing Rs.2.00 Crore. & More than Rs.2.00 Crore.**

##### **(a) Remittance of SD/RMD**

- (i) The total security deposit shall be recovered at the rate of 4% from contractor. Out of which, 50% of amount as Initial Security Deposit shall be payable at the rate of 2% of approved tender cost in form of D.D. / Pay order / FDR / Bank Guarantee of any Nationalized Bank (encashable at Surat city).



- (ii) The remaining amount of the Security Deposit i.e. 2% to be deducted from each running account bill.
- (iii) 5% Retention money deposit (RMD) to be retained from each running account bill.

**(b) Release of SD/RMD**

- (i) The 2% Initial security deposit shall be released after clearance of Final bill by Audit Dept.
- (ii) Whereas, the 2% security deposit recovered from the each running account bills Shall be released only after clearance of Final bill by Audit Dept. & completion of defect liability period.
- (iii) 5% Retention money deposit (RMD) to be released along with final bill.

The amount recovered from the running bills as security deposit shall not be allowed to be transferred in the form of Bank Guarantee. However, the remaining 50% (2% of Security Deposit) of the amount so, deducted from running bills will be allowed for conversion in the form of interest bearing fixed deposit receipt, (FDR) issued in favour of the Municipal Commissioner, Surat Municipal Corporation, Surat by a Nationalized Bank located at Surat only. Additional stamp duty payable as per government prevailing rule shall be paid by contractor for remittance of this FDR.

It is clarified that the amount of security deposit shall be collected on the basis of contract price and not on the basis of Estimated Amount put to tender. As initial Security Deposit as mentioned above, accepted by the competent Authority shall have to be paid toward Security Deposit at the time of execution of agreement.

Interest will be payable on FDR (that is deducted from Running Bill and converted in to FDR for initial SD) for One year, after completion of work. After that no further interest shall be paid for any extended period what so ever.

If the Security Deposit is not paid within 15 days from the date of L.O.I. / Work Order than penalty at the rate of 0.065% per day of the amount of Security Deposit will charged. If the Security Deposit is not paid within one month with interest, necessary actions as per condition of contract will be taken.

**Initial Security Deposit (i.e. 2% of Tender Amount) in form of Bank Guarantee may be accepted as per relevant tender provision, However BG shall be valid till final date of completion of work+1year (Whether final bill is audited and paid or not). It shall be contractor's responsibility to extent the BG On Or Before expiry of time limit of BG. In case of late renewal of BG, penalty of security deposit shall be levied at the interest rate of 4.0% per day of BG amount for breaking period.**

**The successful tenderer shall have to enter into an agreement on a non-judicial stamp paper of Rs. 300/- if initial Security Deposit paid in form Bank Guarantee or Demand draft as per the form of the agreement approved by the Municipal Corporation, Surat.**

**If initial Security deposit is paid in form of Fixed Deposit, additional stamp paper amounting @ 4.90% (OR as per SMC's prevailing rules and regulations) of Security Deposit shall be used to execute the agreement.**

The undertaking shall be executed on Non-Judicialstamp paper worth Rs. 300/- .

The Surety shall be executed on Non-Judicialstamp paper worth Rs. 300/- .

**Clause 2.**

The time allowed for carrying out the work as entered in the tender shall be strictly observed by the Contractor and shall be reckoned from the date on which the order to commence work is given to the Contractor. The work shall throughout the stipulated period of the contract be proceeded with, all due diligence [time being deemed to be the essence of the contract on the part of the Contractor] and the

Contractor shall pay as compensation a percentage amount [shown in the attached Memorandum] of the tendered cost of the whole work as shown by the tender for every day that the work remains uncompleted or unfinished after the proper days. And further to ensure good progress during the execution of the work the Contractor shall be bound, in all cases in which the time allowed for any work exceeds one month, to complete parts of the work during the period shown in the attached Memorandum.

In the event of the Contractor failing to comply with these conditions he shall be liable to pay as compensation ,the amount mentioned above for every day that the due quantity of work remained incomplete, provided always that the total amount of compensation to be paid under the provision of this clause shall not exceed 10 percent of the tendered cost of the work as shown in the tender.

### **Clause 3.**

In any case in which under any clause of or clauses this contract the Contractor shall have tendered himself liable to pay compensation amounting to the whole of this security deposit[whether paid in one sum or deducted by installments] or in the case of abandonment of the work owing to serious illness or death of the contractor or any other cause, the Commissioner on behalf of the Corporation shall have power to adopt any of the following courses, as he may deem best suited to the interest of the Municipal Corporation.

- a To rescind the contract [of which rescission notice in writing to the Contractor under the hand of the Commissioner shall be conclusive evidence] and in that case that security deposit of the Contractor shall stand for feited and be absolutely at the disposal of the Municipal Corporation.
- b To employ labor paid by the Drainage Department and to supply material to carry out the works, or any part of the work debiting the Contractor with correctness of which cost and price the certificate of the Executive Engineer (Drainage) shall be final and conclusive against the Contractor and crediting him with the value of the work done, in all respects in the same manner and at the same rates had been carried out by the Contractor under the terms of his contract, and in that case the certificate of the Executive Engineer (Drainage)as to the value of the work done shall be final and conclusive against the Contractor.
- c To order that the work of the Contractor be in measured up and to take such part thereof as shall be executed out of his hands, and to give it to an other Contractor to complete, in which case any expenses which may be incurred in excess of the sum which would have been paid to the original Contractor, if the whole work had been executed by him[as to the amount of which excess expenses the certificate in writing of the Executive Engineer (Drainage) shall be final and conclusive] be borne and paid by the original Contractor and shall be deducted from any money due to him by the Municipal Corporation under the contract or other wise from his security depositor the proceeds of sale thereof, or a sufficient part thereof.

In the event of any of the above courses be adopted by the Commissioner the Contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchases or procured any materials or entered into any engagements or made any advances on account of or with a view to the execution of the work or the performance of the contract. And in case the contract shall be rescinded under provision aforesaid, the Contractor shall not be entitled to recover, or be paid any sum for any work thereto actually performed by him under this contract unless and until the Executive Engineer (Drainage) shall have certified in writing the performance of such work and the amount payable to him in respect thereof, and he shall only be entitled to be paid the amount so certified.

for any work thereto actually performed by him under this contract unless and until the Executive Engineer (Drainage) shall have certified in writing the performance of such work and the amount payable to him in respect thereof, and he shall only be entitled to be paid the amount so certified.

**Clause 4:**

If the progress of any particular portion of the work is unsatisfactory the Commissioner shall notwithstanding that the general progress of the work is satisfactory in accordance with Clause 2, be entitled to take action under Clause 3 [b] after giving the Contractor 10 days' notice in writing and the Contractor will have no claim for compensation for any loss sustained by him owing to such action.

**Clause 5.**

In any case in which any of the powers conferred upon the Commissioner by clause 3 and 4 here of shall have become exercisable and the same shall not have been exercised the non-exercise thereof shall not constitute a waiver of any of the conditions here of such powers shall notwithstanding be exercisable in any future case default by the Contractor for which by any clause or clauses here of he is declared liable to pay compensation amounting to the whole of his security deposit and the liability of the Contractor for past and future compensation shall remain unaffected.

In the event of the Commissioner taking action under the sub-clause (a) or (c) of clause 3, he may, if he so desires to take possession of all or any tools plant materials and stores in or upon the works, or the site thereof or belonging to the Contractor, or procured by him and intended to be used for the execution of the work of any part thereof, paying or allowing for the same in accordance with the contract rates, or in the case of contract rates not being applicable at current market rates, to be certified by the Executive Engineer (Drainage) whose certificate thereof shall be final. In the alternative the Commissioner may, by notice in writing to the Contractor or his clerk of the works, foremen or other authorized agent require him to remove such tools, plant, materials, or stores from the premises within a time to be specified in such notice and in the event of the Contractor failing to comply with any such requisition, the Commissioner may remove the same at the Contractor's expense or sell them by auction or private sale at the risk and account of the Contractor in all respects and certificate of the Executive Engineer (Drainage) as to the expense of any such removal, and the amount of the proceeds and expense of any sale shall be final and conclusive against the Contractor.

**Clause 6.**

If the Contractor shall desire an extension of the time for completion of the work on the ground of his having been unavoidably hindered in its execution or on any other ground, he shall apply in writing to the Commissioner within 30 days from the date on which he was hindered as aforesaid or on which the cause for asking for extension occurred and the Commissioner may, if in his opinion, there are reasonable grounds for granting an extension, grant such extension as he thinks necessary or proper. The decision of the Commissioner in this matter shall be final.

**Clause 7.**

On the completion of the work the Contractor shall be furnished with a certificate by the Executive Engineer (Drainage) [hereinafter called the Engineer-in-charge] of such completion, but no such certificate shall be given, nor shall the work be considered to be complete until the Contractor shall have removed from the premises on which the work shall have been executed all scaffolding, surplus materials and rubbish, and shall have cleaned off the dirt from all wood work, doors, windows, walls, floors or other parts of any building, in or upon which the work has been executed, or of which he may have had possession for the purpose of executing the work, nor until the work shall have been measured by the Engineer-in-charge or where the measurement has been taken by his subordinates until they have received the approval of the Engineer-in-charge, the said measurement being binding and conclusive against the Contractor.

If the Contractor shall fail to comply with the requirement of this clause as to the removal of scaffolding, surplus material and rubbish, and cleaning off dirt on or before the date fixed for the completion of the work, the Engineer-in-charge may, at the expense of the Contractor remove such scaffolding surplus materials and rubbish, and dispose of the same as he thinks fit and clean off such dirt as aforesaid; and the Contractor shall forthwith pay the amount of all expenses so incurred, but shall have no claim in respect of any such scaffolding or surplus materials as aforesaid except for any sum actually realized by the sale thereof.

#### **Clause 8.**

No payment shall be made for any work, estimated to cost less than Rupees one thousand, till after the whole of the said work shall have been completed and a certificate of completion given. But in the case of works estimated to cost more than rupees one thousand, the Contractor shall, on submitting a monthly bill therefore be entitled to receive payment proportionate to the percentage shown in the attached Memorandum of the part of the work than approved and passed by the Engineer-in-charge, whose certificate of such approval and passing of the sum so pay able shall be final and conclusive against the Contractor.

All such intermediate payments shall be regarded as payments by way or advance against the final payments only and not as payments for work actually done and completed and shall not preclude the Engineer-in-charge from requiring bad, unsound imperfect or unskillful work to be removed and taken away and reconstructed, or re-erected, nor shall any such payments be considered as an admission of the due performance of the contractor any part thereof in such respect of the accruing of and claim nor shall it conclude, determine or affect in any way the Powers of the Engineer-in-charge as to the final settlement and adjustment of the accounts or otherwise, or in any other way vary or affect the contract. The final bill shall be submitted by the Contractor within one month of the date fixed for the completion of the work, otherwise the Engineer-in-charge's certificate to the measurement and of the total amount payable for the work shall be final and binding on all parties.

#### **Clause 9.**

The rates for several items of the work agreed to within, shall be valid only when the item concerned is accepted as having been completed fully in accordance with the sanctioned specifications. In cases where the items of works are not accepted and so completed the Engineer-in-charge may make payment on account of such items at such reduced rates as he may consider reasonable in the preparation of final or on account bills.

#### **Clause 10.**

A bill may be submitted by the Contractor once in each month on or before the date fixed by the Engineer-in-charge for all works executed in the previous months, and the Engineer-in-charge shall take or cause to be taken the requisite measurement for the purpose of having the same verified, and the claim, so far as it is admissible shall be adjusted if possible within fifteen days from the presentation of the bill. If the Contractor does not submit the bill within the time fixed as aforesaid, the Engineer-in-charge may depute a subordinate to measure up the said work in the presence of the Contractor or his duly authorized agent whose counter signature to the measurement list shall be sufficient warrant, and the Engineer-in-charge may prepare a bill from such list which shall be binding on the Contractor in all respects.

#### **Clause 11.**

The Contractor shall submit all bills on the printed forms to be hand on application at the office of the Engineer-in-charge. The charges to be made in the bills shall always be entered at the rates specified in the tender or in the case of any extra work or dered in pursuance of these conditions, and not mentioned or provided for in the tender at the rates hereinafter provided for such work.

#### **Clause 12.**

~~If the specification or estimate of the work provides for the use of any special description of materials to be supplied from the S.M.C. Store or if it is required that the Contractor shall use certain stores to be provided by the Engineer in charge (such materials and stores and the prices to be charged thereof as hereinafter mentioned being so far as practicable for the convenience of the Contractor but not so as in any way to control the meaning or effect of the contracts specified in the schedule or memorandum hereto annexed) the Contractor shall be supplied with such materials and stores as may be required from time to time to be used by him for the purpose of the Contract only and the value of the full quantity of materials and stores so supplied shall be set off deducted from any sums then due, or thereafter to become due to the Contractor under the contract, or otherwise from the security depositor the proceeds of sale thereof shall be held in Government securities; the same or a sufficient portion thereof shall in that case be sold for the~~

~~purpose. All material supplied to the Contractor shall remain the absolute property of the Municipal Corporation, and shall on no account be removed from the site of the work, and shall at all times be open to inspection by the Engineer-in-charge. Any such materials unused and in perfectly good condition at the time of completion or determination of the contract shall be returned to the Drainage Department store, if the Engineer-in-charge so requires by a notice in writing given under his hand, but the Contractor shall not be entitled to return any such material except with such consent and he shall have no claim for compensation on account of any such material supplied to him as aforesaid but remaining unused by him or for any wastage in or damage thereto.~~

#### **Clause 13.**

The Contractor shall execute the whole and every part of the work in the most substantial and workmanlike manner, and both as regards materials and in every other respect in strict accordance with the specifications. The Contractor shall also conform exactly, fully and faithfully to designs, drawings and instructions in writing relating to the work signed by the Engineer-in-charge and lodged in his office and to which the Contractor shall be entitled to have access for the purpose of inspection at such office, or on the site of the work during office hours, and the Contractor shall, if he so requires, be entitled at his own expenses to make or cause to be made copies of the specifications and of all such designs, drawings and instructions on aforesaid.

#### **Clause 14.**

The Engineer-in-charge shall have power to make any alterations in, or additions to the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and the Contractor shall be bound to carry out the work in accordance with any instructions in this connection which may be given to him in writing signed by the Engineer-in-charge and such alteration shall not invalidate the contract, and any additional work which the Contractor may be directed to do in the manner above specified as part of the work shall be carried out by the Contractor on the same conditions in all respect on which he agreed to do the main work and at the same rates as are specified in the tender for the main work. And if the additional and altered work includes any class of work for which no rate is specified in this contract, then such class of work shall be carried out at the rate entered in the schedule of rates of the Municipal Corporation or at the rates mutually agreed upon between the Engineer-in-charge and the Contractor whichever are lower if the additional or altered work for which no rate is entered in the schedule of rates of the Municipal Corporation is ordered to be carried out before the rates are agreed upon then the Contractor shall, within seven days of the date of the receipt by him of the order to carry out the work, inform the Engineer-in-charge of the rate which it is his intention to charge for such class of work and if the Engineer-in-charge does not agree to this rate he shall be at liberty to cancel his order to carry out such class of work, and arrange to carry it out in such manner as he may consider advisable provided always that if the Contractor shall commence the work or incur any expenditure in regards thereto before the rates shall have been determined as lastly here in before mentioned, then in such a case he shall only be entitled to be paid in respect of the work carried out or expenditure incurred by him prior to the date of the determination of the rate as aforesaid according to such rate or rates as shall be fixed by the Engineer-in-charge. In the event of a dispute, the decision of the Commissioner will be final.

Where, however, the work shall have to be executed according to the designs, drawings and specifications recommended by the Contractor and accepted by the competent authority the alteration above referred to shall be within the scope of such designs, drawings and specification appended to the tender.

The time limit for the completion of work shall be extended in the proportion that the increase in its cost occasioned by alterations or additions to the cost of the original contract work, and the certificate of the Engineer-in-charge as to such proportion shall be conclusive.

#### **Clause 15A**

A. If at any time after the execution of the contract documents, the Engineer-in-charge shall for any reason whatsoever, require the whole or any part of the work as specified in the tender, to be stopped for any period or shall not require the whole or part of the work to be carried out at all or to be carried out by the Contractor, he shall give notice in writing of the fact to the Contractor who shall thereupon suspend or

stop, the work totally or partially, as the case may be. In any such case, except as provided here in under, the Contractor shall have no claim to any pay mentor compensation whatsoever on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not so derive in consequence of the full amount of the work nor having been carried out, or on account of any loss that he may be put to on account of materials purchase do ragreed to be purchased, or for unemployment of labour recruited by him. He shall not also have any claim for compensation because any alteration having been made in the original specifications, drawings, designs and instructions may involve any curtailment of the work as originals contemplated. Where which however, materials have already been purchased or agreed to be purchased by the Contractor, before receipt by him of the said notice, the Contractor shall be paid for such materials at the rate determined by the Engineer-in-charge, whose decision shall be final. If the Contractor suffers any loss on account of his having to pay labour charges during the period during which to stoppage of work has been ordered under this clause the Contractor shall on application be entitled to such compensation on account of labour charges as the Engineer-in-charge, the labour could have been employed by the Contractor else where for the whole or part of the period during which the stoppage of the work has been ordered as aforesaid.

**Clause 15 B.Deleted**

**Clause 16.**

The Contractor is to set out and Levi the work and will be responsible for the accuracy of the same. He is to provide and maintain measuring and surveying instruments including steel tapes, the odolite and dumpy level at all times for proper carrying of the work and for the use of the Executive Engineer (Drainage) and his representatives including skilled attendance.

**Clause 17.**

The Contractor is to cover up and protect the works from the weather and is to suspend all wet operations during such weather which, in the Executive Engineer (Drainage) opinion, will be detrimental to the work.

**Clause 18.**

Samples of each class of material and workmanship shall be submitted by the Contractor for the approval of the Executive Engineer (Drainage) and after such approval these samples shall be deposited at any place the Executive Engineer (Drainage) may appoint and the Contractor shall be required to perform all the works of this contract in accordance with the samples.

**Clause 19.**

On completion, all work must be cleaned down, rubbish removed, and the works and land cleaned of rubbish; surplus material sand other accumulations, and everything left in a clean and ordinary condition.

**Clause 20.**

The Contractor shall provide, erect and maintain proper shed sand temporary buildings for the storage and protection of materials and goods and for the execution of work which may be fabricated or brought on the site.

**Clause 21.**

The Contractor is to set out and level the works and will be responsible for the accuracy of the same. He shall also be responsible for the correctness of the positions, levels, dimensions and alignment of all parts of the structure as shown in the drawings supplied to him. If at any time any error should appear during the progress of any part of the work, the Contractor shall at his own expense rectify such error if called upon to the satisfaction of the Executive Engineer (Drainage).

**Clause 22.**

The Contractor shall permit the execution of the work not provided for in the tender by artists; tradesman, or others engaged by the Municipal Corporation. The Contractor shall allow all reasonable facilities and the use of his scaffolding and water for the execution of such work but is not required to provide any special scaffolding for the execution of such work except by special arrangement with the Municipal Corporation.

**Clause 23.**

Under no circumstances whatsoever shall the Contractor be entitled to any compensation from the Municipal Corporation on any account unless the Contractor shall have submitted a claim in writing to the Engineer-in-charge within one month of cause of such claim occurring.

**Clause 24.**

If at anytime before the security deposit is refunded to the Contractor, it shall appear to the Engineer-in-charge or his subordinate in charge of the work that any work has been executed with unsound imperfect, or unskillful workmanship or with materials of inferior quality; or that any materials or articles provided by him for the execution of the work are unsound, or of a quality inferior to that contracted for, or otherwise not in accordance with the contract, it shall be lawful for the Engineer-in-charge to intimate this fact in writing to the Contractor and then notwithstanding the fact that the work, materials or articles complained of may have been in advertently passed, certified and paid for, the Contractor shall be bound forthwith to rectify, or remove and reconstruct the work so specified in whole or in part as the case may require, or if so required, shall remove the materials or articles so specified and provide other proper and suitable materials or articles at his own charge and cost; and in the event of his failing to do so within a period to be specified by the Engineer-in-charge in the written intimation aforesaid, the Contractor shall be liable to pay compensation at the rate of one percent on the amount of the estimate for every day not exceeding ten days, during which the failure so continues and in the event of any such failure as aforesaid the Engineer-in-charge may rectify or remove and re-execute the work or remove and replace the materials or articles complained of or as the case may be at the risk and expense in all respects of the contractor, should the Engineer-in-charge consider that any such inferior work or materials as described above may be accepted or made use of it; shall be within his discretion to accept the same at such reduced rates along with the appropriate penalty as the Commissioner may deem fit. The period to be counted from that date of final completion and handing over of the work to the Municipal Corporation during which the Contractor is so liable for any defects in the work shall be the Defects Liability Period shown in the attached Memorandum.

**Clause 25.**

All works under in course of execution or executed in pursuance of the contract shall at all time be open to the inspection and supervision of the Engineer-in-charge and his subordinates, and the Contractor shall at all times during the usual working hours, and at all other time save at which reasonable notice of the intention of the Engineer-in-charge or his subordinate to visit the work shall have been given to the Contractor, either himself be present to receive orders and instructions, or have a responsible agent duly accredited in writing present for that purpose, Orders given to the Contractor's duly authorized agent shall be considered to have the same force and effect as if they had been given to the Contractor himself.

**Clause 26.**

The Contractor shall give not less than five days' notice in writing to the Engineer-in-charge or his subordinate in charge of the work before covering up or otherwise placing beyond the reach of measurement any work in order that the same may be measured; and correct dimensions thereof taken before the same is so covered up or placed beyond the reach of measurement any work without the consent in writing of the Engineer-in-charge or his subordinate in charge of the work, and if any work shall be covered up or placed beyond the reach of measurement without such notice having been given or consent obtained, the same shall be uncovered at the contractor's expense, and in default thereof no payment or allowance shall be made for such work or for the materials with which the same was executed.

**Clause 27.**

If the Contractor or his workmen; or servants shall break, deface injure or destroy any part of a building in which they may be working, or any building, road, fence enclosure or grass land or cultivated ground continuous to the premises on which the work of any part there of is being executed, or if any damage shall be done to the work for any cause whatever while it is in progress or if any imperfection becomes apparent in it within the Defect liability period mentioned above by the Engineer-in-charge the Contractor shall make good the same at his own expense, or in default the Engineer-in-charge may cause the same to be made good by other workmen and deduct the expenses [of which certificate of the Engineer-in-charge shall be final] from any sum that maybe due or thereafter be come due to the Contractor, or from his security deposit or the proceeds of sale thereof or of a sufficient portion thereof.

**Clause 28.**

The Contractor shall supply at his own cost all materials [except such special materials, if any, as may be supplied from the S.M.C. Stores in accordance with the contract]. Plant tools, appliance implements, ladders, cordage ,tackle, scaffolding and any temporary works which may be required for the proper execution of the work, in the original; altered or substituted from, and whether included in these specification or, other documents forming part of the contractor referred to in these conditions he is entitled to be satisfied, or which he is entitled to require together with carriage there for, to and from the work, the Contractor shall also supply without charge the requisite number of persons with the means and materials necessary for the purpose of setting out works and counting, weighing, and assisting in the measurement of examination at any time and from time to time of the work or materials, failing this the same may be provided by the Engineer-in-charge at the expense of the Contractor and the expense may be deducted from any money due to the Contractor under the contract, or from his security deposit or the proceeds of sale there for of sufficient portion there of. The Contractor shall provide all necessary fencing and lights required to protect the public from accident ;and shall also be bound to bear the expenses of every suit, action or other legal proceedings, at law, that may be brought by any person for injury sustained owing to negligence of the above precautions, and to pay damages and costs which may be awarded in any such suit, action or proceedings, to any such person, or which may with the consent of the Contractor be paid in compromising any claim by any such person.

**Clause 29.**

The Contractor shall make his own arrangements for drinking water for the labour employed by him.

**Clause 30.**

Compensation for all damaged one intentionally or unintentionally or by the contractor's laborers whether in or beyond the limits of the Municipal property shall be estimated by the Engineer-in-charge or such other office as he may appoint and estimates of the Engineer-in-charge subject to the decision of the Commissioner on appeal be final and the Contractor shall be bound to pay the amount of the assessed compensation on demand failing which the same will be recovered from the Contractor as damage from the security depositor deducted by the Engineer-in-charge from any sum that may be due or become due from the Municipal Corporation to the Contractor under this contract or otherwise.

The Contractor shall bear the expenses of defending any action or other legal proceedings that may be brought by any person from injury sustained by him owing to negligence of precautions to prevent the spread of fire and he shall also pay any damages and cost that may be awarded by the court in consequence.

**Clause 31.**

No work shall be done on Sunday/Holidays without the sanction in writing of the Engineer-in-charge.

**Clause 32.**

The contract shall not be assigned or sublet without the written approval of the Engineer-in-charge, and if the Contractor shall assign or sublet his contract or attempt to do so or become insolvent or commence



any proceedings to be adjudicated an insolvent or make any composition with his creditors or attempts or attempt to do the Engineer-in-charge may, by notice in writing rescind the contract. Also if any bribe, gratuity gift, load, perquisite, reward or advantage, pecuniary or otherwise, shall either directly or indirectly be given, promised, or offered by the Contractor, or any of his servants or agents to any public officer or person in the employ of the Municipal Corporation in any way relating to his office or employment, or if any such officer or person shall become in any way directly or indirectly interested in the contract the Engineer-in-charge may by notice in writing rescind the contract. In the event of contract being rescinded, the security deposit of the Contractor shall thereupon stand forfeited and be absolutely at the deposit of the Municipal Corporation and the same consequences shall ensue as if the contract had been rescinded under clause 3 hereof and in addition the Contractor shall not be entitled to recover or be paid for any work there to for, actually performed under the contract.

**Clause 33.**

All sums payable by a Contractor by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the use of the Municipal Corporation without reference to the actual loss or damage sustained and whether any damage has or has not been sustained.

**Clause 34.**

In the case of a tender by partners any change in the constitution of a firm shall be forthwith notified by the Contractor to the Engineer-in-charge for his information.

**Clause 35.**

All works to be executed under the contract shall be executed under the directions and subject to the approval in all respects of the Executive Engineer (Drainage) who shall be entitled to direct at what point or points and in what manner they are to be commenced, and from time to time carried on.

**Clause 36.**

Except where otherwise specified in the contract the decision of the Commissioner shall be final, conclusive and binding on all parties to the contract upon all questions relating to the meaning of the specifications, drawings, designs and instructions here in be for ementioned and as to the quality of workmanship, or materials used on the work, or as to any other question, claim, right, matter, or thing whatsoever in anyway arising aloof, or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions, or other wise concerning the works or the execution or failure to execute the same, whether arising, during the progress of the work or after the completion or abandonment thereof.

**Clause 37.**

When the estimate on which a tender is made includes lump sums in respect of parts of the work the Contractor shall be entitled to payment in respect of the items of work involved or the part of the work in question at the same rates as are payable under this contractor such items or if the part of the work in question is not in the opinion of the Engineer-in-charge capable of measurement the Engineer-in-charge may at his discretion pay the lump sum amount entered in the estimate, and the certificate in writing of the Engineer-in-charge shall be final and conclusive under the provisions of the clause.

**Clause 38.**

In the case of any class of work for which there are no such specifications as are mentioned in Rule 1 such work shall be carried out in accordance with the Municipal or Gujarat Government P.W.D. specifications, and in the event of there being no Municipal or Government P.W.D. specifications, then in such a case the work shall be carried out in all respects in accordance with the instructions and requirements of the Engineer-in-charge.

**Clause 39.**

The expression "works" or "work" where used in these conditions shall, unless there be some thing in the subject or context repugnant to such construction be construed to mean the work or works the contracted to be executed under or in virtue of the contract, whether temporary or permanent, and whether original, altered, substituted or additional.

**Clause 40.****Taxes and Duties on Material**

All the taxes, duties, Vat, and such all incidentals and such incidental imposed in future must be borne by the Contractor only. "P", "D", or "C" form shall not be supplied by The Surat Municipal Corporation.

The bidder is advised, directed to take into consideration all the Central/State/ Local Self-Government taxes, levies. No tax/nor any Govt. levy shall be paid extra and/or separately. However, the deduction of Tax/Levy, if any, shall be ensured from payment due to be made time to time in accordance with the provisions of Central/State Govt. Laws, orders issued from time to time and remaining in force.

GST (Goods and Service Tax) has come in existence from 1<sup>st</sup> July 2017. Contractor /Successful Bidder is bound to pay any amount of GST prescribed by the Govt. of India as per the Terms of Contract agreed upon during the course of execution of this Contract.

The bidder must consider the prevailing tax structure on last date of bid submission for quoting the tender. During the course of execution of Contract, if there is any change in Rate of GST (Goods and Service Tax) by the Government, the same shall be reimbursed / recovered separately by SMC, subject to the submission of Original Receipt / Proof for amount actually remitted by the successful Tenderer / Contractor to the competent Authority along with a certificate from Chartered Accountant of Contractor / Successful Bidder Certifying that the amount of GST paid to the Government and the same shall be intimated / submitted /claimed within 30 (Thirty) Days from the date of payment. Remittance of GST within stipulated period shall be the sole responsibility of the Successful Bidder / Contractor, failing which, SMC may recover the amount due, from any other payable dues with SMC and decision of Municipal Commissioner shall be final and binding of the Contractor / Successful Bidder in this regard. Further, the nonpayment of GST to the Government may lead to the termination of contract and forfeiture of security Deposit/ Performance Guarantee Amount.

All duties, taxes, and other levies except GST payable by the contractor under the contract, or for any other cause shall be included in the rates, prices and total Bid Price submitted by the Bidder. (GST will be paid extra)

Payment of GST (prevailing rates) on the amount payable under the contract to the Contractor will be made by the Employer. Hence, it is the responsibility of the contractor to pay the GST to the concerned Authority.

The rates quoted by the Contractor must be inclusive of all taxes prevailing on due date of bid submission except GST. However, any subsequent changes in the tax structure by Government after due date of bid submission will be compensated (+/-) on availability or submission of actual documentation. Contractor will have to intimate Engineer regarding changes occurred in the tax structure after bid submission. If the contractor fails to provide such information and if any financial obligation may arise due to change in tax structure, same will be recovered from the contractor. GST will be paid separately on the bills. Hence, it is the responsibility of the contractor to pay the GST to the concerned Authority.

**Clause 41.**

The Contractor shall be responsible for and shall pay any compensation to his workmen payable under the Workmen's Compensation Act 1923 [VIII of 1923] or any statutory modification thereof for injuries caused to workmen. The Workmen Compensation policy and all the insurances pertaining to Plant and Equipment, fire, burglary shall be in the Contractors scope. However, the events such as earthquake and flood shall be considered as a Force Majeure and relevant clauses of the tender shall apply for the same

**Clause 42.**

Quantities shown in the tender are approximate and no claim shall be entertained for quantities of work executed being either more or less than those entered in the tender of estimate.

**Clause 43.**

No compensation shall be allowed for any delay caused in the starting of the work on account of any acquisition of land in the case of clearance work, for any delay in accordance to estimate.

**Clause 44.**

No compensation shall be allowed for any delay in execution of the work on account of water standing in borrow pits or compartments. The rates are inclusive for hard or cracked soil, excavation in mud, sub-soil water or water standing in borrow pits, and no claim for an extra rate shall be entertained, unless otherwise expressly specified.

**Clause 45.**

The Contractor shall not enter upon or commence any portion of work except with the written authority and instructions of the Engineer-in-charge or of his subordinate in charge of the work failing such authority the Contractor shall have no claim to ask for measurements of or payment for work.

**Clause 46.**

No Contractor shall employ any person who is under the age of 18 years. If any contractor found employing person or persons under the age of 18 years, during course of the construction at any stage, legal actions shall be taken against him as stipulated in Child Labour (Prohibition & Regulation) Act 1986 and also, a penalty of Rs.20,000/- (Rupees Twenty thousand) shall be imposed which shall be deposited with District Collector in Child Labour Rehabilitation cum Welfare Fund.

No Contractor shall employ donkeys or other animals with breeching of string or thin rope. The breeching must be at least three inches wide and should be of tape [Nawar].

No animals suffering from sores, lameness or emaciation or which is immature shall be employed on the work.

The Engineer-in-charge or his agent is authorized to remove from work any person or animal found working which does not satisfy these conditions and no responsibility shall be accepted by the Municipal Corporation for any delay caused in the completion of the work by such removal.

The Contractor shall pay fair and reasonable wages to the workmen employed by him in the contract undertaken by him in the event of any dispute arising between the Contractor and his workmen on the grounds that the wages paid are not fair and reasonable, the dispute shall be referred without delay to the Executive Engineer who shall decide the same.

The decision of the Executive Engineer shall be conclusive and binding on the Contractor, but such decisions shall not in any way affect the condition in the contract regarding the payment to be made by the Municipal Corporation at the sanctioned tender rates.

**Clause 47.**

Payment to the Contractors shall be made by cheque drawn on any bank in Surat, provided the amount

exceeds Rs. 10. Amounts not exceeding Rs. 10 will be paid in cash.

**Clause 48.**

Any Contractor who does not accept these conditions shall not be allowed to tender for works.

**Clause-49**

The work contract tax shall not be paid to the contractor.

**Clause-50.**

Disputes if any, shall be discussed and mutually settled and in case of disagreement the same shall be referred to Commissioner. After referring to Commissioner if the said dispute is not solved, the same shall be referred to the court subject to Surat Jurisdiction only.

**Clause-51**

The following condition are being included in this tender and shall be considered as a part of tender document.

In case the total amount of work done is 5% less than the contract value, prorata S.D. to that extent may be refunded to the contractor while releasing the payment of final bill. In short, the S.D. to be retained by the Corporation after payment of final bill shall be equal to 2% of the amount of final bill as per the prevailing norms or as per the norms decided from time to time.

If there is increase in amount of work more than 5% of the Contract value. The Additional S.D. shall be recovered from the running bill. When the total of any of work done by the Contractor up to running bills under consideration is more than 5% of the contract value. However, such S.D. shall be recovered in the round figure of Rs. 1000/- i.e., the amount of work done when it exceeds 5% of the contract value it shall be rounded off to the nearest multiple of Rs.25000/- such additional S.D. shall be recovered for the works amount to Rs. 5 Lacs or more at the rate of 4% of the additional amount.

In many cases, the contractors are stopping the work half-way due to number of reason and when the department has to take actions in accordance with clause 3(a) or (b) or (c) of the contract the remaining work has to be carried out by advertising the tender for the remaining work and the whole administrative process right from inviting tenders to finalizing the tender etc.

In such cases a fixed amount of Rs. 1000/- should be recovered from the original contract towards the cost of advertisement and other administrative charges incurred by the department in finalizing the contract for the remaining work.

In case a separate advertisement is issued for a single work actual cost of advertisement shall be recovered such recovery shall be in addition to the recovery to be made under clause-3 or such other relevant clauses.

**Clause 52. Deleted**

**Clause 53.**

Amount on account of Earnest Money should be paid in pay order or demand draft only to the Municipal Commissioner. Earnest Money in the form of cheque will not be accepted. The amount will be forfeited in case after his quotation is accepted, the contractor does not complete the contract documents and pay the amount of Security Deposit of tender amount within the specified time as mentioned in clause 1 of condition of contract, otherwise it will be refunded. The work is to be completed within 12 (Twelve) months (Excluding Monsoon) from the date of written order to commence the work. The Insurance Company's bond will not be accepted against the Security Deposit.

Note: - The contractor is also allowed to pay the 50% amount of earnest money in pay order or demand

draft of any Nationalized Bank payable at Surat in favor of the commissioner Surat Municipal Corporation only and rest of 50% in form of Bank guarantee of any Nationalized Bank located at Surat.

**Clause 54.**

The contractor shall have to quote rate online only.

**Clause 55.**

No alteration in the form of quotation and in schedule of quantities and no additions in the shape of special stipulation will be permitted. Quotation which do not fulfill all or any of the above conditions or are incomplete in any respect are liable to be rejected.

**Clause 56.**

The tenderer must obtain for himself on his own responsibility and at his own expense all the information which may be necessary for the purpose of filling this tender and for entering into a contract for the execution of the same from the office of the Executive Engineer , Surat Municipal Corporation, Surat, during the office hours between 11:00 A.M. to 6:00 P.M. on weekdays except Sunday & Holidays and must examine the drawings and inspect site of the work and acquaint himself with all local conditions and matters pertaining thereto before submitting the tender.

**Clause 57.**

Each of the pages (having reference for signature of the contractor) of the tender documents is required to be signed by the person or persons submitting the tender in token of his/their having acquainted himself/themselves with General Conditions etc., as laid down. Any tender with any of the documents not so signed which will be rejected.

**Clause 58.(Deleted)**

**Clause 59.**

The rates quoted by the contractor shall include all eventualities such as heavy rain, sudden floods, etc. which may cause damage to the executed work, or which may totally wash out the work. Until the completion certificate is issued to the contractors, S.M.C. shall not be responsible for such damage or wash out to the construction work.

**Clause 60.**

Time is the essence of the contract. The work should be completed within 12 (Twelve) months (Excluding Monsoon) from the date of the work order issued to the contractor to commence the work. The successful contractor will have to give a schedule of the various items of work to be done so that the work is completed within the stipulated time.

**Clause 61.**

Extra item of work shall not vitiate the contract. The Contractor shall be bound to execute extra items of work as directed by the Engineer-in-charge. The rate for extra item shall be derived from the Latest S.O.R. (R&B Division Surat) or Latest GWSSB- SOR and quoted premium of the tender. If the rate of the extra item is not available in S.O.R. then it will be derived on prevailing market rates. However, the decision of the Engineer-in-charge shall be final and binding to the Contractor.

**Clause 62.**

In case of delay in execution of work the penalty at the rate of 0.2% of contract value per day subject to the maximum of 10% of the contract value, shall be payable by the contractor to the Corporation towards compensation.

**Clause 63.**

No claim for any extra or compensation for damage will be entertained on account of such variation, except where the quantity is increased by more than 30%. No claim for any extra or compensation for damages will be entertained on account of such variation where the quantity is decreased to any percentage or where the item is totally deleted.

**Clause 64.**

It should be noted that the contractor shall have to complete the work in stipulated time of 12 (Twelve) months (Excluding Monsoon) as per the terms of the contract. The Contractor shall submit complete CPM/PERT chart and get it approved within one month of the award of the work.

**Clause 65.**

The Contractor shall also arrange to obtain the license from the competent Authority under the contract labour (regulation and abolition) Act 1970.

**Clause 66. Deleted.****Clause 67.**

The following additional information shall be forwarded by the tenderer along with the submission of the tender:

- a. A list of works of comparable nature executed, along with their value and time of completion.
- b. A list of works in hand showing the cost of the work to be completed against each with the certificate from the Head of the office concerned.
- c. A list of machinery in their possession and which they will bring for the proposed work.
- d. Solvency certificate without which such tenders are liable to be rejected. The Solvency certificate should be for the amount equal to 20% of the estimated value of the work.
- e. Every contractor shall furnish along with the tender, information regarding income-tax the circle of the district in which he is assessed for income-tax the reference No. and year of assessment.

**Clause 68.**

Acceptance of quotation will rest with the competent authority who does not bind himself to accept the quotation and reserves the right to reject any or all quotations/tenders and no reasons will be given for acceptance or rejection thereof. The tenderer whose quotation is accepted will have to enter into a regular contract and abide by all rules and regulations embodied in the tender.

**Clause 69.**

The tender will be liable to be rejected outright, if while submitting it ---

- a. the tenderer proposes any alteration in the work specified in the tender or in the time limit allowed for carrying out the work or any other condition.
- b. Any of the pages of the tender are removed or replaced.
- c. in the case of item rate tender, the rates are not entered in ink in figures and words and the total of each item and grand total are not struck by the tenderer in ink in the last column of Schedule 'B' under his signature.
- d. Any errors are made by him in the tender.
- e. All corrections and additions or pasted slips are not initiated by tenderers.
- f. the tenderer or in the case of a firm each partner thereof does not sign, or the signature/signatures

is/are not attested by a witness on page of the tender in the space provided for the purpose.

- g. The tenderers which do not fulfill any of the conditions of those in the printed form and those tenders which are incomplete.

**Clause 70.**

The contractor has to make all arrangements for procuring the materials required on his own work.

**Clause 71.**

in case of any discrepancy with tender document the contractor may contact the Executive Engineer (Drainage), Surat Municipal Corporation, Surat.

**Clause 72.**

In view of the difficult position regarding the availability of foreign exchange, no foreign exchange would be released by the SMC for the purchase of plant and machinery required for the execution of the work contracted

**Clause 73.**

The contractor will have to construct shed for storing valuable materials at works site having locking arrangement. The material will be taken for use in the presence of the SMC person. No materials will be allowed to be removed from the site of works.

**Clause 74.**

Tender once accepted shall be binding on the contractor even if the formal agreement is not signed.

**Clause 75.**

Tender once offered cannot be withdrawn except with the express permission of the Municipal Corporation.

**Clause 76.**

The successful tenderer may be required to furnish surety of 10% of the contract value on stamp paper if so desired by the Commissioner.

**Clause 77.**

The tenderers are requested to give complete specification of prices quoted.

**Clause 78.**

For all R.C.C. works such as Footings, Columns, Beams, Slabs, Chhajjas, Pardis, Lintels, etc., a 15 cm x 15 cm x 15cm sizes test cube as per the P.W.D. Standard will have to be taken by the contractor and as per instructions and directions of the Engineer-in-charge. These test cubes will be for 7 days and 28 days respectively. After 7 days, 28 days these test cubes will be tested in the Government approved laboratory by the contractor at his own expense and results will be submitted directly to the respective head of the SMC.

**Clause 79.**

This tender document (Technical Bid – excluding drawings), which should be furnished along with earnest money deposit, duly filled in and signed. No pages can be removed from the conditions of contract, specifications of drawings, otherwise it will be considered as an intentional fault and the tender will be liable for rejection and the amount of earnest money deposit forfeited.

**Clause 80.**

If the work executed is found to be of inferior quality OR of any substandard quality not conforming to the specifications at any point of time during the inspection of by Engineer-in-charge or any Higher Authority, the contract shall be terminated without assigning any reasons there off and no payment shall be made towards the probable damages or loss caused to the contractor and materials purchased by him for this work and no compensation whatsoever either shall be paid to contract by Municipal Corporation.

**Clause 81.**

The Successful contractor shall take "all contract risk insurance policy" for the tendered cost of the work. "Work's man compensation policy" for all workers and labour of contractor and clients working at site and "Third party insurance policy" to fully cover all third-party type risk for the whole contract i.e. Construction, supply, installation, testing and commissioning and Operation & maintenance of sewage treatment plant. The insurance policy so taken by the contractor for such purpose shall be in the joint name of the contractor and the client and the policy shall be deposited with the clients.

**Clause 82.**

The Contractor should note that the conditional tenders shall be out rightly rejected.

**Clause 83.**

Out of the amount payable/creditable to contractor's account, the Central Government/State Government tax/taxes shall be deducted at source in accordance with the relevant laws/rules from time to time prevailing.

**Clause 84.**

Now no octroi is to be paid as the same is exempted and therefore the question of reimbursement does not arise. The contractors shall quote their rates considering this aspect of exemption of octroi.

**Clause 85.**

Surat Municipal Corporation shall not provide 'C' or 'D' Form for tax purposes.

**Clause 86.**

**No Price variation or escalation shall be paid to the contractor.**

**Clause 87.**

The final bill shall be paid only after successful completion the total work.

**Clause 88.**

**Special Clause regarding EPF act 1952 and payroll and muster roll.**

All the applicant contractors are required to have their own employer code number under EPF Act, 1952 and are required to comply the applicable provisions of said statute regularly and totally.

Further the contractors for services are required to produce the certified copies of related documents in respect of employees/workers employed by said contractor in respect of work allotted by Surat Municipal Corporation.

All the prevailing rules regarding labours, PF, Insurance etc. shall be followed by contractor and he shall be solely responsible for compliance of same. If be needed documents shall be submitted for the same.

**Clause 89.**

Liasoning with any Government- Semi Government Body Etc. public / private sector should be in the



scope of Supplier/ Tenderer for related tender material.

Contractor has to collect the necessary data and drawing from Highway Authority/Railway Authority/ Irrigation/ Government Authority and also prepare and submit the essential documents and drawings, apply for the approvals, make necessary changes as proposed by Highway Authority/Railway Authority/ Irrigation/ Government Authority, follow up with Highway Authority/Railway Authority/ Irrigation/ Government Authority and get the final approval as per the norms of Highway Authority/Railway Authority/ Irrigation/ Government Authority. Contractor has to fulfill all requirements of Highway Authority/Railway Authority/ Irrigation/ Government Authority for approval of pushing & laying the line at his own cost. Surat Municipal Corporation will only pay the statutory fees for approval of pushing and laying of pipeline parallel to Railway/road/Highway/canal given by Highway Authority/Railway Authority/ Irrigation/ Government Authority.

SEAL & SIGNATURE OF THE CONTRACTOR: -

ADDRESS: -

DATE: -

Executive Engineer  
Drainage Department  
Surat Municipal Corporation

## **16. SCHEDULE -A**

### **CEMENT AND STEEL:**

Surat Municipal Corporation shall not issue cement and reinforcement steel to be used for this work.

Basic rate of cement at Rs. 5,600/- (Without GST) per MT. The rate of CRS steel is Rs. 53,000/- (Without GST) per MT and TMT Steel is Rs. 50,500/- (Without GST) per MT extension (RAC/Out/No. 331, Dtd. 02.06.2026)

The cement and reinforcement steel required for the above said work shall be procured by contractor at its own cost.

The brands for cement shall be:

- For Structure: Bridge, Fly over, Intake well, Tall Building and Specialized Structures.
  1. AMBUJA
  2. ULTRATECH
  3. SANGHI
  4. J. K. LAKSHMI
- For Structure: EWS Housing and other works.
  1. AMBUJA
  2. ULTRATECH
  3. SANGHI
  4. J. K. LAKSHMI
  5. HATHI
  6. SIDHEE

confirming to IS 12269/87 (with its latest amendments) of OPC 53 grade only.

Approved make of CRS Fe 500 reinforcement steel :

For Structure: Bridge, Fly over, Intake well, Tall Building and Specialized Structures.

1. RINL
2. TATA
3. SAIL
4. JSW STEEL LTD.

- For Structure: EWS Housing and other works.
  1. RINL
  2. TATA
  3. SAIL
  4. JSW STEEL LTD.
  5. ELECTROTHERM (INDIA) LTD.
  6. RAMSAROOP
  7. NATIONAL
  8. GALLANT METAL LTD.
  9. "POLAAD" TMT STEEL

Purchase bill / testing certificate of that product shall be obtained from company itself and the name of the contractor /work shall be appeared on the bill /testing report`.

Any of the above mentioned brands of Cement and Reinforcement steel shall only be used by the contractor at the time of execution.

The cement content shall be between maximum and minimum values for various grades of controlled concrete as specified in the IS 456 : 2003 and its latest amendments below:

Concrete Grade	Minimum (Kg/M <sup>3</sup> )	Max. W/C Ratio
M15	240	0.60
M 20	350	0.55
M 25	375	0.50
M 30	415	0.45
M 35	425	0.45

For concrete with volumetric / nominal mix and other items with use of cement the same shall be as per prevailing Surat Municipal Corporation standards

For concrete with volumetric / nominal mix and other items with use of cement the same shall be as per prevailing Surat Municipal Corporation standards.

#### **WASTAGE OF CEMENT AND REINFORCEMENT STEEL :**

As the contractor is to bring the cement and steel, the question of considering the wastage on the basis of issue rate does not arise i.e. no separate payment shall be made for any kind of wastage in the materials. The payment for reinforcement bar will be made on theoretical weight basis. The weight shall be computed on the basis of the length of the steel used in the work multiplied by the standard unit weight of TMT bar as mentioned in IS code No. 1786, IS-432 or IS-226.

The steel consumption lesser than 7.5% of the standard consumption shall be penalized at the double existing corporation issue rate or the prevailing market rate, whichever is more.

Similarly, for cement also, the lesser consumption beyond 5% shall be penalized at the double existing corporation issue rate or the prevailing market rate, whichever is more.

#### **TESTING OF CEMENT AND STEEL:**

It should be specifically noted that the cement and steel brought by the contractor at site of work shall be used only after the same is tested at the approved laboratory as per the direction of the Engineer-in-charge. Such approved laboratory may be located at Surat, Baroda, Ahmedabad or Mumbai.

All the charge for the transport and testing of the samples shall have to be borne by the contractor. The frequency of testing such material shall be in accordance to the relevant Indian Standards as directed by Engineer-in-charge.

#### **Price Variation for Cement, Steel brought by Contractor:**

Surat Municipal Corporation shall not issue cement and reinforcement steel to be used for this work and **No price variation for Cement and steel shall be paid by SMC.**

SEAL & SIGNATURE OF THE CONTRACTOR: -

ADDRESS: -

DATE: -

Executive Engineer  
Drainage Department  
Surat Municipal Corporation

## **17. SCHEDULE – B**

AS PER SEPARATE PRICE BID uploaded.

Note:

1. All works shall be carried out as per Government of Gujarat's P.W.D. Handbook and our specifications contained in this document and as directed.
2. The Schedule of Quantities and Rates are to be read for the purpose of pricing in conjunction with instructions of tenderers, technical specifications, drawings and General conditions for contract for Civil works.
3. The price quoted in the summary of costs, sheets of schedule of quantities and rates shall be of all inclusive value for the work described including all costs and expenses which may be required in for the execution of the work described together with all general risks, liabilities and obligations set forth or implied in the document on which the tender is based.
4. The quantities furnished are approximate. In the event of actual quantities varying from those furnished herein below or items deleted or added, the percentage (Plus/Minus) quoted for the entire work shall remain, firm and no extra claims in this respect will be entertained. The payment shall be made based on the actual quantities executed for the completion of work.
5. All works shall be carried out strictly as per detailed specification whether actually specified or not. If not specified, as per directions of owner/Engineer-in-charge.
6. Percentage (Plus/Minus) quoted by tenderer shall be firm even if the contract is split.
7. Percentage (Plus/Minus) and the total amount entertained in the summary of cost, sheet of schedule of quantities and Rates shall be written in ink and shall be entered both in figures and words.
8. Detailed specifications of items of work are described under section Detailed Technical Specification for each item of schedule of quantities and Rates. The section gives guidelines to the reference of relevant clauses of specifications and mode of measurement. Tenderer shall read this in conjunction with other technical specifications and quote accordingly.
9. The measurements shall be as described in the detailed Technical specification of items of work, all measurements being not in accordance with the drawings with no allowance for waste.
10. If Tenderers need any clarifications, they should obtain the same in writing from Owner/Engineer-in-charge. No notice will be taken of any verbal discussion in such matters.
11. Rates quoted include clearance of site (prior to commencement of work and at its close before handing over) in all respects and hold good for work under all conditions, site, moisture, weather etc.
12. If Tenderers need any clarifications, they should obtain the same in writing from Owner/Engineer-in-charge. No notice will be taken of any verbal discussion in such matters.

mm	Millimeters
cm	Centimeters
mt.	Meters
Km.	Kilometers
Sq.mt.	Square Meters
Cu.mt.	Cubic Meters
R.Mt.	Running Meters
No.	Numbers
C.I.	Cast Iron
R.C.C.	Reinforced Cement Concrete
Wt.	Weight
Kg.	Kilogram
M.T.	Metric Tonne
M.D.	Meter Depth
M.S.	Mild Steel
I.S.	Indian Standard
D.I.	Ductile Iron

SEAL &SIGNATURE OF THE CONTRACTOR: -

ADDRESS: -

DATE: -

Executive Engineer  
Drainage Department  
Surat Municipal Corporation

## 18. IMPORTANT INSTRUCTION TO TENDERER

1.

Affix latest  
passport size  
photo of  
tenderer

2.

\_\_\_\_\_  
Specimen Signature of the Contractor.

1	2	3	4
AFFIX LATEST PASSPORT SIZE PHOTOGRAPH OF ALL PARTNERS IN CASE OF PARTNERSHIP AGENCY			

Specimen signature of all partners in case of partnership agency.

- i. \_\_\_\_\_  
ii. \_\_\_\_\_  
iii. \_\_\_\_\_  
iv. \_\_\_\_\_

Submission of Registered Agreement is compulsory in case of partnership agency.

3. Submission of income tax clearance certificate of last three years is compulsory for tenderer submitting agency.
4. Submission of GST certificate, with proof of residence is compulsory for tenderer.
5. In case of Government royalty applicable to tenderer, it is compulsory to submit a receipt of royalty payment with tender.
6. The Photograph and specimen signature of contractor will be cross checked, whenever contractor receives payment in account section of SMC.
7. The specimen signature of contractor will be cross checked by Account Department of SMC, in case of representative of Contractor along with letter of authority of a person who signed an agreement, receives payment.
8. All partners of tenderer should put their specimen signature at the relevant places in the tender. A Passport size photograph of all partners who have signed the tender shall be affixed in the tender.

The successful tenderer shall be required to execute necessary agreement where in the same partners shall put on their signatures.

SEAL & SIGNATURE OF THE CONTRACTOR: -

ADDRESS: -

DATE: -

Executive Engineer  
Drainage Department  
Surat Municipal Corporation

## 19. MEMORANDUM OF WORKS:

I / We \_\_\_\_\_ the undersigned do hereby tender for carrying-out the work described in the schedule subject to the conditions annexed in Schedules attached herewith in tender documents.

1.	General Description of work	:	Leakage repairing work of different sizes of M.S. pipe ,G.R.P. pipe and C.I. / D.I. lines in East Zone-B, West Zone, North Zone and Central Zone area, Surat. (2nd Attempt).
2.	Estimated Cost	:	Rs. 1,75,00,000.00 ( Without GST)
3.	Earnest Money Deposit	:	Rs. 1,75,000.00 100% EMD amount shall be in form of crossed Demand Draft of Nationalized Bank payable at Surat.
4.	Security Deposit:	:	As per Chapter No. 15 Condition of Contract, Clause – 1
	i. Pay order or F.D.R. or D.D or. Bank guarantee of any Nationalized Bank	:	As per Condition of Contract Clause 15.1.
	ii. To be deducted from Running Bill in form of Retention Money: -	:	As per Condition of Contract Clause 15.1.
5.	Time Limit	:	24 (Twenty Four) months (including monsoon)
6.	Penalty for delay	:	0.2% (Zero Point Two percent) of the contract price per day, maximum up to 10% (Ten percent) of the Tender Amount.
7.	The progress of work should confirm to	:	15% of the work in 25% of the time. 35% of the work in 50% of the time. 66% of the work in 75% of the time. 100% of the work in 100% of the time. However, it shall be revised and modified subjected to various factors affecting progress of the work.
8.	Percentage to be retained from running account bills	:	Additional 5% of Total work done (Shall be released at the time of final bill)
9.	Defect Liability Period	:	12 Months (Twelve Month)
10.	Water Charges	:	As per 20 (1.3) of special condition of contract.
11.	GST	:	Rate Quoted by bidder shall be inclusive of all taxes but Excluding GST. GST shall be paid extra as per prevailing rules.

SEAL &SIGNATURE OF THE CONTRACTOR: -

ADDRESS: -

DATE: -

Executive Engineer  
Drainage Department  
Surat Municipal Corporation

## **20. SPECIAL CONDITIONS OF CONTRACT**

### **1.0 GENERAL CONDITIONS:**

#### **1.1 Location of site & accessibility**

- i. The project site is located at South East Drainage Zone within the jurisdiction of SMC and As directed by engineer-in charge. Whereas the any changes in location/layout of laying of pipeline subjected to site condition is possible and shall be bounded to the contractor.
- ii. Service roads are laid within and up to the site of the work. These will be available to the contractor subject to any limitations imposed by SMC.
- iii. The contractor shall have to obtain tokens for himself and obtain gate passes for removing any of his materials outside the premises. The contractors 'persons entry and exit will be by main gate only.
- iv. Non availability of access roads or railway siding or permits for entry of vehicles and equipment at any specific area shall in no case be the cause to condone any delay in the execution of the works or be the cause for any claims or extra compensations.
- v. Diameter and class of pipe mentioned in the drawing/ schedule B may change during execution subject to approval of divisional head of drainage department, based on work site condition, but the prior approval shall be taken before execution.
- vi. During replacement/ laying of new line, any material like pipes, manhole frame cover & other shall be disposed off by contractor at his own risk and cost. The ownership if such discharged material shall be with contractor. In case, any items, reused with prior permission, payment of new item for that particular item shall not be made to contractor.
- vii. Please note that, while replacing connection chamber, the frame cover of the house connection is the property of Household unit. The material shall be returned to the owner of building & if written permission is given by owner.

#### **1.2 Scope of Work**

This tender enquiry covers Laying of New Drainage Lines on the remaining T.P. Roads / Roads declared under Section – 205 in various T.P. Schemes and replacing existing dilapidated Drainage Lines as well as shifting and maintaining Existing Drainage Lines as required in East Zone-B, West Zone, North Zone and Central Zone of Surat Municipal Corporation.

The schedule of quantities is given separately in tender. The broad scope of work is as follows and shall be carried out strictly in accordance with specifications and instructions of Engineer-in-charge issued from time to time. The contractor shall provide all necessary materials, equipment, labour etc. for the execution and maintenance of work till completion unless otherwise mentioned in the tender documents. All materials that go with the work shall be approved by the Engineer in charge prior to procurement and use.

- Excavation of trenches and pits for laying of pipes and construction of machine holes, ventilating column etc., in all kinds of soil / soft rock etc., including dewatering whenever and wherever for the work under this contract is necessary and back filling including compacting as per item specification. Excavation of asphalt pavement of any thickness including demolishing the asphalt carpet, metal, soling etc. complete with stacking the materials. Excavation for granular bedding shall be paid as per relevant excavation depth.
- Providing and laying granular bedding as per item description and tender specifications.
- Laying of R.C.C. pipes including lowering, handling transportation where necessary and jointing the same with rubber ring joints.
- Construction of Machine holes, ventilating column etc. as specified in item.
- Testing R.C.C. pipes and machine holes for ascertaining water tightness.
- ~~Construction of Machine hole Pumping by well sinking method.~~
- Laying of RCC pipes in higher depth shall be laid with the help of gabion, rubble filling etc. as directed.



- Any and all other works indicated and considered necessary for the execution of this work whether or not specifically mentioned or called for.
- Any type of service utilities such as electrical, telephone, any other cables damaged or disturb should be put in use at the cost of contractor. No payment will be given for such damages by SMC.
- Liaisoning with any Government- Semi Government Body Etc. public / private sector should be in the scope of Supplier/ Tenderer for related tender material.

Contractor has to collect the necessary data and drawing from Highway Authority/Railway Authority/ Irrigation/ Government Authority and also prepare and submit the essential documents and drawings, apply for the approvals, make necessary changes as proposed by Highway Authority/Railway Authority/ Irrigation/ Government Authority, follow up with Highway Authority/Railway Authority/ Irrigation/ Government Authority and get the final approval as per the norms of Highway Authority/Railway Authority/ Irrigation/ Government Authority. Contractor has to fulfill all requirements of Highway Authority/Railway Authority/ Irrigation/ Government Authority for approval of pushing & laying the line at his own cost. Surat Municipal Corporation will only pay the statutory fees for approval of pushing and laying of pipeline parallel to Railway/road/Highway/canal given by Highway Authority/Railway Authority/ Irrigation/ Government Authority.

### **1.3 Water Supply & water charges**

The contractor shall be allowed to make arrangement for necessary construction water in two ways.

- a) The contractor can make its own arrangement of water supply through private boreholes or through tankers. However, the contractor shall be required to inform Surat Municipal Corporation within 30 days of starting of the work and shall have to produce necessary test certificate that confirm the construction water grade as per relevant IS. Otherwise, water charge shall be recovered at rate of 3% of the work done amount from contractor's bill.
- b) If contractor wishes to use the Municipal water for construction purpose, he/she shall have to apply to get the water connection through licensed plumber from relevant zone office of Surat Municipal Corporation. He shall have to bear all the cost towards getting water connection. The contractor shall be liable to pay all the charges as per the prevailing rules and regulation of Surat Municipal Corporation for making use of water. Further, the contractor shall have to produce the copy of payment of water charges bill to the undersigned, otherwise the water charges shall be deducted from his running bills.

Where, the water supply network is not available, the contractor may borrow the tanker from any of the municipal water distribution center on the payment of necessary water charges, as per the prevailing rules and regulation.

Most importantly, the contractor shall be responsible for disconnecting the water connection on completion of work and shall have to inform the department accordingly.

If Municipal mains are not available nearby, the contractor shall have to make his own arrangement at his cost for water required for construction purpose.

For all the purposes connected with the work, the contractors shall be allowed to use water from the municipal mains wherever available at prevailing rates. The contractors, however, will have to make their own arrangements to get at their cost necessary water connections from Municipal mains. If the water is, in the opinion of the Engineer, used improperly or wasted, the Engineer may cause the supply of water to be disconnected or the water will be supplied to the Contractors at double the prevailing rate of water for the quantity of water used. In order to prevent the misuse or wastage of water by the Contractors, the Engineer shall be at the liberty to engage a muqaddam at the cost of the Contractors on wage not exceeding Rs. 300/- [Rupees Three Hundred Only] per day [exclusive of other charges leviable by the Corporation under rules such as dearness allowance and supervision etc.] for supervising and controlling the use of water by the contractors men.

**Exemption for water charges shall be granted if contractor makes its own arrangement of water supply. Contractor has to inform within 30 days of starting of work for its own arrangement of water.**

Contractor will be allowed to use treated waste water for trench refilling- watering & spreading, subject to availability of treated waste water, & the charges shall be paid by contractor. Please note that, contractor has to make his own arrangement for tanker & other tools-fuel – tackle- manpower for filling the water from STP.

#### **1.4 Electric Supply for construction purpose:**

The contractor shall make his own arrangements at his own cost for electric supply required for operating various plants and machineries required for the work and for general lighting purpose for site, office, labour colony etc. The energy bills shall also be paid by the contractor.

#### **1.5 Land for labour camp Contractor's field office, godown and workshop:**

Owner will not be in a position to provide land required for Labour and Supervisory Camp, Contractor's field office, godown and workshop. The Contractor shall have to make his own arrangement for the same.

### **2.0 SUBMISSION OF TENDER :**

2.1 Tender must be submitted in original and without making any additions, alterations and as per details given in other clauses given here under. The requisite details shall be filled in by the contractor in the tender documents. The item rates shall be filled in the given schedules in this tender and bills of quantity should be clearly brought out in a separate letter.

2.2 Addenda / corrigendum to these tender documents, if issued must be signed and submitted along with the technical bid (i.e. Cover-1).

The tenderer should write clearly the revised quantities in Bills of Quantity of tender documents and should price the work based on revised quantities when amendments for quantities are issued in addenda.

### **3.0 DOCUMENTS**

3.1 The Tenders as submitted will consist of the following:

- i. Complete set of tender documents as sold duly filled in and signed by the tenderer as prescribed in different clauses of the tender documents.
- ii. Declaration showing all works as similar types and magnitudes carried out and on hand with the contractor and the value of works that remains to be executed in each case must accompany the tender.
- iii. The Bidder should submit Solvency Certificate minimum value of at least 20% of the total estimated cost put to the tender issued by Schedule Bank/Nationalized Bank only and should be effective and in force on the last date of receipt of bids, it will be the responsibility of the bidder to get the extension of the effectiveness of solvency certificate from corresponding bank, up to the tender validity period, if the same is getting expired before that, the same should be produced with necessary extension within 15 days of expiry of such solvency as and when asked by Surat Municipal Corporation, failing which will be liable for rejection of bid without assigning any reason thereof. (Considering validity as 1 year from date of issue of Solvency Certificate)
- iv. Demand draft or pay order for earnest money deposit must accompany the tender as instructed in this document. Tenderer may pay earnest money in the form of a CROSSED DEMAND DRAFT of a local bank drawn in favour of the Municipal Commissioner. Earnest

money by cheque shall not be accepted.

- v. The contractor shall have to furnish Income Tax Clearance Certificate before his tender is accepted and intimate Assessment No. & Ward under which he is assessed.
- vi. Tenderer should submit the True Copy of the Certificate of Registration along with the tender without which the tender will not be considered.

### **3.2 All pages to be initialed**

All signatures in tender documents shall be dated as well as all the pages of the sections of tender documents shall be initialed at the lower right-hand corner and signed wherever required in the tender papers by the tenderer or by a person holding power of attorney, authorizing him to sign on behalf of the tenderer before submission of tender.

### **3.3 Rates to be in figures & words**

The tenderer shall quote in English both in figures as well as in words the percentage rate in annexure /schedules.

### **3.4 Corrections & Erasures**

All corrections and erasures in the entries of tender papers will be signed in full by the tenderer with date. No erasures or over-writings are permissible.

### **3.5 Discrepancies & Adjustments of Errors**

Any error in quantity or amount in schedule 'B' showing items of works to be carried out shall be adjusted in accordance with the following rules ---

- a. In the event of a discrepancy between description in words & figures quoted by a tenderer in the 'rates' column, the descriptions in words shall be prevailed.
- b. In the event of an error occurring in the 'amount' column of the schedule 'B' showing items of works, as a result of wrong multiplication of the unit rate and quantity, the unit rate shall be regarded as firm and multiplications shall be amended on the basis of the rates.
- c. All the errors in totaling in 'amount' column and in carrying forward totals shall be corrected.
- d. Any rounding off of amounts against 'items' or in 'totals' shall be ignored.

The tendered sum so altered shall, for the purpose of the tenders be substituted for the sum originally tendered and considered for acceptance.

### **3.6 Signature of Tenderer**

The tender shall contain the name, residence and place of business of person or persons making the tender and shall be signed by the tenderer with his usual signature. Partnership name by all the partners or by duly authorized representative followed by the name and designation of the person signing. Tender by a corporation limited company shall be signed by an authorized representative and a power of attorney in behalf shall accompany the tender. A copy of the constitution of the firm with the name of all the partners to be furnished.

### **3.7Details of Experience**

The tenderer should enclose documents to show that he has previous experience in having successfully completed in the recent past works of this nature, together with the names of owners, location on sites and values of contracts.

### **4.0 TRANSFER OF TENDER DOCUMENTS**

Transfer of tender documents purchased by intending tenderer to another is not permissible.

### **5.0 VALIDITY**

The validity period of the tender submitted for this work shall be of one hundred twenty (120) calendar days from the last days of online receipt of tender for this work and the Tenderer shall not be allowed to withdraw or modify the tender offer on his own during the validity period. If this is done then the owner shall without prejudice to any right or remedy, be at liberty to reject the tender and forfeit the earnest money deposit in full.

### **6.0 ADDENDA/CORRIGENDA**

Addenda/Corrigenda to the tender documents may be issued prior to the date of opening of tenders to clarify documents or to effect modification in the design or contract terms. All addenda/corrigenda issued shall become part of tender and to be submitted in original with sign and stamp in hard copy failing to do so will be consider as disqualified.

### **7.0 RIGHT TO OWNER TO ACCEPT OR REJECT TENDER**

The right to accept the tender will rest with the S.M.C., however, does not bind itself to accept the lowest tender and reserves the authority to it self to reject any or all the tenders received without assigning any reason whatsoever. Tenders in which any of the particulars and prescribed information are missing or are incomplete in any respect and/or the prescribed condition are not fulfilled are liable to be rejected.

In addition to the above, the tender will also be liable to be rejected outright if ---

- i. The tenderer proposes any alterations in the works specified or in the time allowed for carrying out the work or any condition or correction made in any code or mode of schedule 'B' or specifications.
- ii. Any of the page or pages of the tender is/are removed/modified or replaced.
- iii. All corrections, additions or pasted slips are not initialed by the tenderer.
- iv. The tenderer or in the case of a firm, each partner or person holding the power of attorney thereof does not sign or the signature(s) is/are not attested by a witness.

### **8.0 RETENTION MONEY**

As per memorandum. This amount will be deducted progressively from each running bill of the contract by the SMC the above referred retention money will be released on virtual completion of work in the final bill/ as per prevailing rules of SMC.

### **9.0 COLLECTION OF DATA TENDERERS' RESPONSIBILITY**

The tenderer shall visit the site and acquaint himself fully of the site and no claims whatsoever will be entertained on the plea of ignorance or difficulties involved in execution of work or carriage of materials.

## **10.0 SIGNING OF THE CONTRACT**

The successful tenderer shall be required to execute an agreement in the proforma attached with the tender documents within ten days of the receipt by him of the notification of acceptance of tender. However, timely corrections in this Performa as per prevailing rules of SMC shall be bound to contractor. In the event of failure on the part of the successful tenderer to sign the agreement within the above stipulated period, the acceptance of the tender shall be considered as cancelled and Earnest Money Deposit amount will be forfeited.

## **11.0 CO-ORDINATION OF WORK**

The Engineer-in-charge shall co-ordinate the works of various agencies engaged site to ensure minimum disruption of work carried out by different agencies. It must be the responsibility of the contractor to plan and execute the work strictly in accordance with bar charts and as per instruction of Engineer-In-Charge to avoid hindrance to the work being executed by other agencies.

## **12.0 INTERPRETATION OF CONTRACT DOCUMENTS**

12.1 Except if and to the extent otherwise provided by the contract, the provisions of the General Conditions of Contract and special conditions shall prevail over those of any other documents forming part of the contract. Several documents forming the contract are to be taken as mutually explanatory, should there be any discrepancies, inconsistencies, errors or commissions in the contracts or any of them, the matter may be referred to the Engineer-in-charge who shall give his decisions and issue to the contractor instructions directing in what manner the work is to be carried out. The decision of the Engineer-in-charge shall be final and conclusive, and the contractor shall carry out the work in accordance with this decision.

12.2 Works shown upon the drawings but not mentioned in the specifications or described in the specifications without being shown on the drawings shall nevertheless be held to be included in the same manner as if they had been specifically shown upon the drawings and described in the specifications.

12.3(i) The various documents forming the contract are the essential parts of the contracts and a requirement occurring in one is as binding as though occurring in all, They are intended to be mutually explanatory and complementary and to describe and provide for a complete work.

(ii) In the event of any discrepancies, the various documents forming the contract or in any one document, the following order of precedence should apply

a] Dimensions & quantities ---

- i. Drawings.
- ii. Schedule 'B' of the tender form.
- iii. On drawings, figures, dimensions, unless obviously incorrect will be followed in preference to show dimensions

b] Description ---

- i. Schedule 'B' of the tender form
- ii. Drawings
- iii. Specifications

In case of defective description or ambiguity, the Engineer-in-charge should issue further instructions/ directions in what manner the work is to be carried out, it being understood that the best modern practice is to be followed. The contractor should forthwith comply with such instructions

The contractor should take no advantage of any apparent error or commission in drawings or specifications and the Engineer-in-charge shall make such corrections and interpretations as necessary to fulfill the intent of the plans and specifications.

### **13.0 FORCE MAJEURE**

Any delays in or failure of the performance of either part hereto shall not constitute default hereunder or give rise to claims for damages, if any, to the extent such delays or failure of performance is caused by occurrences such as Acts of God or the public enemy; expropriation or confiscation of facilities by Government authorities, compliance with any order or request of any Governmental authorities, acts of war, rebelling or sabotage or fires, floods, explosions, riots or illegal strikes. The contractor shall keep records of the circumstances referred to above and bring these to the notice of the Engineer-in-charge in writing immediately on such occurrences.

### **14.0 FORFEITURE OF RETENTION MONEY**

Whenever any claim against the contractor for the payment of a sum of money arises out of or under the contract, the S.M.C. shall be entitled to recover such sum by appropriating in part or whole of the retention money of the contractor. In case, the retention money is insufficient or if no retention money has been taken from the contractor, then the balance or the total sum recoverable, as the case may be, be deducted from any sum then due or which at any time thereafter may become due to the contractor. The contractor shall pay on demand any balance remaining due.

### **15.0 NO COMPENSATION FOR ALTERATION IN OR RESTRICTION OF WORK**

If at any time after the commencement of the work, the corporation shall for any reason whatsoever not require the whole or part there of as specified in the tender to be carried out, the Engineer-in-charge shall give notice in writing of the fact to the contractor, who shall have no claim to any payment or compensation whatsoever on account of any profit or advantage which he might have derived from the execution of the work in full, but which he did not derive in consequence of the full amount of the work not having been by reason of any alteration shaving been made in the original specifications, drawings, designs and instruction which shall not involve any curtailment of the works as originally contemplated.

### **16.0 RIGHT OF THE CORPORATION TO DETERMINE/TERMINATE CONTRACT**

The Corporation shall, at any time, be entitled to determine and terminate the contract, if in the opinion of the Corporation the cessation of the work becomes necessary owing to paucity of funds or for any other cause whatsoever, in which case the cost of approved materials at the site as verified and approved by the Engineer-in-charge and of the value of the work done to date by the contractor shall be paid for in full at the rate specified in the contract. A notice in writing from the Corporation to the Contractor of such determination and the reason, thereof shall be the conclusive proof of the fact that the contract has been so determined and terminated by the Corporation.

Should the contract be determined under sub-clause (i) of this clause and the contractor claims payments to compensate expenditure incurred by him in the expectation of completing the whole of the work, the Corporation shall consider and admit such claims as are deemed fair and reasonable and are supported by vouchers to the satisfaction of the Engineer-in-charge. The decision of the Commissioner on the necessity and propriety of any such expenditure shall be final and conclusive and binding on the contractor.

### **17.0 DRAWINGS TO BE SUPPLIED BY THE CORPORATION**

- 17.1 The tender purpose drawings attached herewith give layout drawing and hydraulic flow diagram drawing.
- 17.2 The detailed construction drawings shall be issued by S.M.C. progressively during construction in line with civil general arrangement drawing and mechanical & electrical equipment's drawing, if any given by the contractor.

## **18.0 SETTING OUT WORKS**

The Engineer-in-charge shall furnish the contractor with only the four corners of the work site and a level bench mark and the contractor shall set out the works and shall provide an efficient staff for the purpose and shall be solely responsible for the accuracy of such setting out.

## **19.0 RESPONSIBILITY FOR LEVEL & ALIGNMENT**

The contractor shall be entirely and exclusively responsible for the horizontal and vertical alignment, the level and correctness of every part of the work and shall rectify any errors or imperfections there in. Such rectifications shall be carried out by the contractor at his own cost, when instructions are issued to that effect by the Engineer-in-charge.

## **20.0 DISCREPANCIES BETWEEN INSTRUCTIONS**

If any discrepancy occur between the various instructions furnished to the contractor, his agents or staff, or any doubt arises as to the meaning of any such instruction or, should there be an misunderstanding between the contractor's staff and the Engineer-in-charge's staff, the Contractor shall immediately report the matter in writing to the Engineer-in-charge whose decision there on shall be final and conclusive and no claim for losses alleged to have been caused by such discrepancies between instructions, doubts or misunderstanding shall in any event be admissible.

## **21.0 INSPECTION OF WORK**

Contractor has to do entire work under observation of project Management consultancy (PMC) / Third Party Inspection (TPI) Agency appointed by SMC.

Contractors have to work under Inspection of TPI / PMC Agency. The tenderer/ bidder shall have to inform S.M.C. at least before 15 days regarding readiness of the lot of pipes. Representatives from S.M.C. and / or Third-Party Inspection (TPI) Consultant / Project Management Consultant (PMC) (if any) will visit the work site, manufacturer's factory for testing/inspection of the pipes. The manufacturer shall have to make all necessary arrangements for testing/inspection. All the charges towards testing/inspection including travelling charges of S.M.C. and / or Third-Party Inspection (TPI) Consultant / Project Management Consultant (PMC) representatives shall be borne by the manufacturer/contractor.

All the equipment shall be inspected and tested at manufacturer's site in presence of representative of SMC & TPI (Third party Inspection) before shipment and/or dispatch for the site. QAP is required to be submitted separately. The contractor is responsible for providing all tools, instruments and other requirements for conducting such inspection and testing by the Surat Municipal Corporation or its representative. However, the shop floor inspection of equipment by the SMC or its authorized representative before shipment shall not prejudice the SMC's right for rejection of the equipment on the final inspection at site and also does not relieve the Contractor from the responsibility that all the equipment provided shall be free from defects and suited in all respects for the purpose intended to. Testing charges and other relevant costs shall be borne by the contractor and this matter is elaborate elsewhere in the tender document. Contractors have to arrange for railway ticket minimum two tiers AC for indigenous equipment for travelling time less than 14 hours and economy class Air fare for imported equipment as well as travelling time is more than 14 hours. All the testing charges of equipment/machineries and the transportation, lodging, boarding and any other relevant expense of the team of Surat Municipal Corporation (including TPI) which may consist maximum 2 personals shall be borne by the contractor.

Only routine tests as per relevant B.I.S./IEC/ specifications for the various items of equipment shall be performed at the Contractor's works/equipment manufacture's site in the presence of Engineer-in-Charge and test certificates furnished. Where the bought out items/equipment are such that it forms part of a system which is to be inspected, inspection shall be carried out at Contractor's works/ manufacture's site as per the stipulation laid down in B.I.S./IEC specification. However, where independent equipment is so involved that it does not concern the assembly testing and can be directly dispatched to site, the test certificates shall be produced by the contractor/subcontractor and

inspection shall be carried out at SMC site. However, during inspection if any defect found, the contractor at his risk & cost shall replace the same and cost within specified time limit. In this case no time limit extension will be given in the execution of overall plant.

Acceptance of any material or equipment shall in no way relieve the Contractor of his responsibility for meeting the requirements of the specifications, relevant standards and successful testing and commissioning at site.

All test equipment, operating personnel and consumables, testing charges, etc., required for carrying out tests at manufacture's work and at site shall be supplied by the Contractor at his own cost.

If required by the Surat Municipal Corporation the equipment shall be sent to recognized test lab for ascertaining the guaranteed parameters. The Contractor should agree to the same. The test results so obtained shall be binding to the Surat Municipal Corporation and to the contractor. If the results are found meeting test standards/certificates, the test charges shall be borne by the Surat Municipal Corporation otherwise the test charges shall be borne by the Contractor. But at the first instance the contractor to the concern institute/laboratory shall pay the charges.

The Engineer-in-charge and/or Third Party Inspection (TPI) Consultant/ Project Management Consultant (PMC) representative will have full power and authority to inspect the works at any time wherever in progress, either on the site or at the Contractor's premises/workshops wherever situated, premises/workshop of any person, firm or corporation where materials are being made or are to be supplied, and the contractor shall afford or procure for the Engineer-in-charge and/or Third Party Inspection (TPI) Consultant/ Project Management Consultant (PMC) representative every facility and assistance to carry out such inspection. The contractor shall at all times during the usual working hours and at all other times at which reasonable notice of the intention of the Engineer-in-charge and/or Third-Party Inspection (TPI) Consultant/ Project Management Consultant (PMC) representative to visit the works shall have been given to the Contractor, either himself be present to receive orders and instructions or have a responsible agent duly accredited in writing present for the purpose. Orders given to the Contractor's agent shall be considered to have the same force as if they had been given to the Contractor himself.

## **22.0 TESTS FOR QUALITY OF WORK**

All workmanship shall be of the respective kinds described in the contract documents and as per prevailing criteria's of SMC in accordance with the instructions of the Engineer-in-charge and shall be subjected from time to time to such tests at Contractor's cost as the Engineer-in-charge may direct at the place of manufacture or fabrication or on the site or at all or any such places. The Contractor shall provide assistance, instruments, labour and materials as are normally required for examining, measuring and testing any workmanship as may be required and selected by the Engineer-in-charge.

## **23.0 THE CORPORATION MAY DO PART OF THE WORK**

Upon failure of the Contractor to comply with any instructions given in accordance with the provisions of this contract, the Corporation has the alternative right, instead of assuming charge of entire work, to place additional labour force, tools, equipment's and materials on such parts of the works, as the Corporation may designate or also engage another Contractor to carry out the work. In such cases, the Corporation shall deduct from the amount which otherwise becomes due to the Contractor, the cost of such work and materials with 10% added to overall departmental charges and should the total amount there of exceed the amount due to the Contractor, the Contractor shall pay the difference to the Corporation.

**24.0** The Corporation shall not accept any offer submitted by the contractor on its own design. It should be specifically noted that wherever bank guarantee is required to be submitted, it should be from Nationalized Banks only.



**25.0** Contractor to note that SMC shall appoint Project Management Agency /Third Party Agency for the supervision / inspection of the work and contractors are obliged to work under them. However, decision of SMC shall be final.

**26.0 CONTROLLED MATERIALS (ESSENTIALITY CERTIFICATE) :**

- i. As regards controlled materials, the corporation will help to arrange for the permit as far as possible and help the contractor in securing the same. All incidental charges not within procuring these materials shall be borne by the Contractor himself. Though the Corporation will help to manage for the permit as far as possible and help the Contractor in obtaining the materials it shall not accept any responsibility for any delay or loss on account of delay caused to the Contractor while obtaining the same.
- ii. The Contractor shall submit to Engineer-in-charge on close of every calendar month, the monthly returns in the prescribed forms as to the receipt and actual use of the controlled materials during the months.
- iii. The Contractor shall permit the Engineer-in-charge or his representatives to inspect the stock of the controlled materials stored by him at any time, whenever the Engineer-in-charge or his representative(s) desire(s).

**27. PROCEDURE OF MEASUREMENT/BILLING OF WORK IN PROGRESS FOR EXTRA ITEMS\_:**

**MEASUREMENTS :**

- 27.1** All measurements shall be in metric system as specified by joints measured by the representative of the Engineer-in-charge and the Contractor authorized agent progressively. Such measurement will be got recorded in the measurement book by the Engineer-in-charge or his authorized representative and signed in token of acceptance by the contractor or his authorized representative.
- 27.2** All works shall be measured by standard measure and in accordance with the rules and custom of the Public Works Department without reference to any local custom.
- 27.3** The measurements of work will be taken according to the usual methods in use in the Public Works Department and no proposals to adapt alternative methods will be accepted. The Engineer-in-charge decision as to what is the usual method is use in the Public Works Department will be final.
- 27.4** Extra item of work shall not vitiate the contract. The Contractor shall be bound to execute extra items of work as directed by the Engineer-in-charge. The rate for extra item shall be derived from the Latest S.O.R. (R&B Division Surat) or Latest GWSSB- SOR and quoted premium of the tender. If the rate of the extra item is not available in S.O.R. then it will be derived on prevailing market rates. However, the decision of the Engineer-in-charge shall be final and binding to the Contractor.

**28.0 ACCIDENT LIABILITIES :**

The Contractor shall be responsible for all liabilities under workman compensation act, as under :

- a) On occurrence of accident, resulting in death of workman employed by the Contractor which is so serious as is likely to result in death of such workman who meet with accident, the Contractor shall within 24 hours of accident, will intimate in writing to Engineer-in-charge of such incidence. The Contractor shall indemnify client, against all losses/damages sustained by the client resulting directly or indirectly from his failure to give such intimation to client including penalties/fines if any, payable by client as a consequence of client's failure to give notice under workman's compensation act or otherwise to conform the provision of this act in regard to such accidents.

- b) In case when such compensations as above becomes payable under workman's compensation act, whether by contractor or by client as principal employer, it shall be law full for the Engineer-in-charge to retain out of money due and payable to the Contractor, such sum or sums of money as may in the opinion of the Engineer-in-charge be sufficient to meet such a liability, the opinion of the Engineer-in-charge shall be final in regard to all matters arising under this clause.

## **29.0 INSURANCE :**

The Contractor shall take "All Contract Risk Insurance Policy" for the estimated cost of this work "Workman's Compensation Policy" for all workers and labours of contractor and client working at site and "Third Party Insurance Policy" to fully cover all third party type risk. The insurance policy so taken by the Contractor for such purposes shall be in the joint name of the Contractor and the client and the policy shall be deposited with the client.

**30.0** Contractors shall have to use maximum machinery for the work as per the direction of Engineer-In-Charge.

**31.0** If possible, space for stacking the surplus excavated earth will be provided by SMC. Other wise the contractor shall arrange for the same at no extra cost to SMC.

## **32.0 DEFECTS LIABILITY PERIOD**

The defects liability period as defined in General Conditions of Contract, shall be 24 (Twenty Four) months from the date of work completion.

For the failure of the contractors in the matter of guarantee, testing, trial run, performance, commissioning and handing over and meeting the defects liability, the owner shall have the full right to make necessary recovery from security deposit as may be necessary.

## **33.0 TERMS OF PAYMENT**

Billing for the job executed, would be done progressively according to the prevailing rules and practice followed by SMC time to time.

**34.0** The option for selection of the Make/product/Brand shall rest with Surat Municipal Corporation, i.e the contractor shall have to supply the materials, equipment's, plants of a make as approved by the Surat Municipal Corporation.

## **35.0 INCOME TAX**

Income tax at the rate of 2% (or at the prevailing rate) on the gross amount billed shall be deducted from the contractor's bills as per section 194C of the Income Tax Act and relevant rules/laws from time to time prevailing.

## **36.0 INCOME TAX CLEARANCE CERTIFICATE**

Self-Attested or Notarized copy of the latest income tax clearance certificate in the Performa prescribed by the Government of India should accompany the tender. The I.T.C. Certificate should be in the name of the firm/individual, quoting for the tender.

**37.0** Wherever mentioned in the tender document, "Q.R.O." or "0" quantity means Quote Rates only and "B.O.Q." means Bill of Quantities.

**38.0** No compensation of any item shall be paid in case any of the item is omitted i.e., not executed at all.

## **39.0 Responsibility of clear Construction and Demolition Waste (C.D. Waste)**

It shall be sole responsibility of contractor to clear construction and Demolition waste (C. D. waste) by their own risk and cost. The contractor shall ensure that their site must be clear in all respect by disposing C. D. Waste generated during the work. If it's found that contractor is irregular and showing negligence to dispose C. D. Waste, then Surat Municipal Corporation is empowered to disposed the said C. D. Waste through Surat Municipal Corporation Authorized C. D. waste Contractor/ agency. All the necessary expenditure made towards disposal of this C. D. Waste shall be recovered from the contractor along with the administration charges and penalties. The Contractor shall have to dispose off Construction & Demolition waste at SMC suggested place/ site as per norms of SMC. Otherwise SMC will dispose the waste & charges decided by SMC will be recovered from contractor.

**40.0** As a part of tender, the contractor shall have to carry out GIS mapping for project, as directed by engineer in charge. The contractor shall have to submit the certificates of concern GPS operator/ Lab or as directed by Engineer in Charge. All the expenditure/ Fees etc. for the GPS mapping shall have to be borne by the contractor. No extra payment shall be made for this.

**41.0** Contractor has to collect the necessary data and drawing from Highway Authority/Railway Authority/ Irrigation/ Government Authority and also prepare and submit the essential documents and drawings, apply for the approvals, make necessary changes as proposed by Highway Authority/Railway Authority/ Irrigation/ Government Authority, follow up with Highway Authority/Railway Authority/ Irrigation/ Government Authority and get the final approval as per the norms of Highway Authority/Railway Authority/ Irrigation/ Government Authority. Contractor has to fulfill all requirements of Highway Authority/Railway Authority/ Irrigation/ Government Authority for approval of pushing & laying the line at his own cost. Surat Municipal Corporation will only pay the statutory fees for approval of pushing and laying of pipeline parallel to Railway/road/Highway/canal given by Highway Authority/Railway Authority/ Irrigation/ Government Authority.

**42.0**Rate Quoted by bidder shall be inclusive of all taxes but Excluding GST. GST shall be paid extra as per prevailing rules.

**43.0** No claim for any extra or compensation for damage will be permissible or entertained on account of either such variation in quantities or deletion of respective items.

SEAL &SIGNATURE OF THE CONTRACTOR: -

ADDRESS: -

DATE: -

Executive Engineer  
Drainage Department  
Surat Municipal Corporation

## **21. ADDITIONAL INSTRUCTIONS TO THE TENDERERS**

### **(For Drainage Department Works only)**

1. The work shall have to be started by the contractor at as many places as ordered by the Executive Engineer.
2. Cement required for construction purpose for this work shall be supplied by the contractor at his own cost.
3. The fire wood, white Zink, sand, bricks, reinforcement steel, metal, gravel, machine hole frame cover, rubber packing, nuts, bolts etc. required for the work shall be provided by the contractor at his own cost.
4. The contractor shall take utmost care while doing excavation to protect existing underground utilities. All water main lines/ water connections, storm/sewage mains/house connections, electricity cables, telephone cables, gas pipeline or any other utilities and structures shall be protected by contractor. However, if met during excavation, any damages, caused shall be rectified by the contractor at the earliest and all the rectification cost shall be borne by the contractor only. SMC may recover the cost of damages/reinstatement charges from the contractor's bill if damaged works reinstated by the other agencies.
5. Contractor may construct manhole intermittently/before laying of lines. But in case if any manhole has to be abandoned due to any reason. Contractor has to bear the cost for the same.
6. The whole work of excavation, laying and jointing of pipes shall have to be carried out with the help of leveling instruments only. The leveling instrument to be used for the purpose shall be provided by the contractor. In no case the work shall be allowed to be carried out with help of boning rod.
7. THE LAYING OF R.C.C. PIPE DRAINS SHALL BE STARTED FROM THE OUTLET (MAIN LINE) TOWARDS TAIL END ONLY AND IN NO CASE ANY RELAXATION WILL BE ALLOWED IN THE MATTERS.
8. The contractor will have to construct shed for storing controlled and valuable materials like cement and other materials etc. purchased by the contractor or supplied by the department. The material will be taken for use in the presence of the Department person. No materials will be allowed to be removed from the site of work.
9. The contractor shall have to keep chowkidar and red lights (of a proper size) during night on open trenches during the progress of the work and until the trench or pit is completely refilled. Proper barricading shall be provided by the contractor to avoid accident during day and night time. Red flags road closing board etc. and such other precautionary measures shall have to taken by the contractor. If the contractor fails carry out the above precautionary measures, Drainage Engineer shall engage, even without giving a notice to the contractor wherever the situation demands quick action for the chowkidar, places, necessary red lights and manage to guard the trenches all the expenditures so incurred shall be recovered from the contractor form his bill or deposit. The contractor will have no right to dispute the action taken by the Executive Engineer.
10. The contractor shall always have to inform the Electricity Co., Telephone and Telegraph office and Gujarat Gas Office or any other concern agencies before starting the excavation work.
11. It shall be the responsibility of the contractor to guard the cables etc. mentioned above wherever they exposed in an open trench and any damage done to then from what so ever reasons shall be made good at the risk cost of the contractor.
12. The trench excavated for the work shall be properly barricaded. Proper signals and caution, red flags, ares lamps etc. shall be displayed on both end of the trench and at every crossing and at suitable distance wherever found necessary. Similarly to avoid any accident the red lamps of proper size shall be displayed so as to make visible the danger or main road to distance at night. If accident occurs for want of sufficient precautionary measures the entire responsibility is of the contractor only.

Contractor shall have to provide wooden planks etc., reasonable distance on the trench, for the purpose of crossing the trench for the public. The materials also shall be kept site in such away so that they may not cause any inconvenience to the traffic and passerby.

13. In case for want of necessary materials or the holding of any public function, marriage ceremonies, procession etc., If the order is issued to the contractor to fill up the trench to stop the progress of the work or to delay the beginning of excavation of the work at any stage in any locality or localities he shall have to comply with such orders shall give no compensation for such delay and or stoppage of work.
14. The work shall be carried out in workman like manner, and best skilled worker should be employed. If any defect in the work is found out the contractor shall have to rectify within the time fixed by Executive Engineer. If the fails to rectify the defect Executive Engineer after giving due notice shall rectify the defect at the risk and cost of the contractor.
15. After the pipeline is laid and before refilling the trench in the materials used in the line shall be checked and noted in the presence of Executive Engineer or his Assistant and the contractor or his authorized representatives. After refilling the trenches surplus excavated earth should be carted and the road surface should be scraped and cleaned by the Contractor at his own cost, as directed by the Engineer-in-charge.
16. The surplus excavated earth, after backfilling the trenches shall have to be removed from the site as directed. However, surplus earth will be property of contractor and contractor may dispose off or stock the same at their own risk. No payment for the carting of surplus earth will be made separately

After compaction and consolidation, if any short fall of earth is found then contractor has to bring the same to the required quantity and quality in order to meet shortfall at his own cost. Moreover, if any settlement of road after reinstatement is observed during the defect liability period of the work. Contractor shall be fully responsible for the defective work and patches/ depression/ settlement shall be repaired with quarry spoil or metal at contractor's own cost. If contractor fails to repair the patches/ depression /settlement in time, corporation will repair it at all risk and cost of contractor.

Surplus earth shall not be disposed off in a way that leads to nuisance to the public or SMC.

17. Land for labour camps, storage yards temporary site sheds etc., will be arranged by the Contractor at his own cost. Land for batching plant, casting yard shall be arranged by the contractor at his own cost. The employer may render all possible assistance to the contractor to enable him to obtain such lands as may be required for purposes of completion of this work but no guarantee can be given. Non-availability of Land will not be considered as a reason for delay in progress.

On written request from contractor, the SMC may allocate any land belonging to SMC and which is presently not required for concerned department and in that case, token rent at Rs. 10/Sq.mt per month will be recovered from the contractor. The contractor shall have to return/ evacuate such land/ plot in original condition as and when needed by SMC within a week from intimation given by SMC. Further contractor shall have to return/ evacuate/ handover such land/ plot within 15 days after completion of the physical project on site or inauguration of the project. If the said land is not returned by the contractor within 15 days after the completion of the project as above then rent at the rate of Rs.15/sq.mt. per month instead of Rs.10/sq.mt. per month shall be charged/ levied. The contractor shall have to pay all the taxes levied by government/ SMC. No extra payment shall be made for same.

18. No compensation shall be paid if the work is stopped due to defective work or as per the instruction from Engineer-in-charge due to any reasons.
19. The contractor shall have to use his own tools, plants and machinery required for these works.
20. No advance payment of mobilization advance or payment against procurement shall be made /entertained.

21. S.M.C. shall not be responsible for any wastage of material. All wastage shall be \accounted on the part of the contractor. No payment for such wastage shall be made.
22. Surat Municipal Corporation will not give any amount of interest in case of delayed payment of running bill, final bill or any arise by the contractor.
23. In view of the different position regarding the availability of foreign exchange, no foreign exchange would be released by Department for the purchase of plants and machineries required for the execution of the work contracted for.
24. The Contractor shall take almost care during excavation to protect existing underground utilities. All water main lines/water connections, storm/sewage mains/house connections, electricity cable, telephone cables, gas pipelines or any other utilities and structures shall be protected by contractor. However, if met during excavation, any damages caused shall be rectified by the contractor at the earliest and all the rectification cost shall be borne by the contractor. If the bill for rectification work (if carried out by the concerned agencies/departments) is put by such agencies/department, the same shall be payable by the contractor, if not so it will be deducted and recovered from the running bills to be paid to contractor.
25. In view of the different position regarding the availability of foreign exchange, no foreign exchange would be released by Department for the purchase of plants and machineries required for the execution of the work contracted for.

SEAL &SIGNATURE OF THE CONTRACTOR:-

ADDRESS:-

DATE:-

Executive Engineer  
Drainage Department  
Surat Municipal Corporation

## **22. GENERAL SPECIFICATIONS**

### **GENERAL :**

- 1.1 All the items occurring in the work and as found necessary during actual execution shall be carried out in the best workman like manner as per specification and the written order of the Engineer-in-charge.
- 1.2 Extra claim in respect of extra work shall be allowed only if such work is ordered to be carried out in writing by the Engineer-in-charge.
- 1.3 The Contractor shall engage a qualified Engineer for the Execution of work who will remain present for all the time on site and will receive instructions and orders from the Engineer-in-charge or his authorized representative. The instruction and orders given to the contractor's representative on site shall be considered as it will be to the contractor himself.
- 1.4 The work order book as prescribed shall be maintained on the site of the work by the Contractor and the contractor shall sign the orders given by the inspecting officers and shall carry out them properly.
- 1.5 Quantities specified in the tender may vary at the time of actual execution and the contractor shall have no claim for compensation on account of such variation.
- 1.6 Figured dimensions of drawings shall supersede measurements by scale,. Special dimensions in the specification shall supersede all other dimensions.
- 1.7 Use of I. S. Code shall mean its latest applicable version for respective items.

SEAL & SIGNATURE OF THE CONTRACTOR:-

ADDRESS:-

DATE:-

Executive Engineer  
Drainage Department  
Surat Municipal Corporation

## **23. GENERAL TECHNICAL SPECIFICATION FOR BUILDING WORKS**

### **GENERAL:**

1. In the specification “as directed”/” Approved” shall be taken to mean “as directed”/approved by the Engineer-in-charge.
2. Wherever a reference to any Indian Standard appears in the specifications, it shall be taken to mean as a reference to the latest edition of the same in force on the date of agreement.
3. In “Mode of Measurement” in the specification wherever a dispute arises in the absence of specific mention of a particular point or aspect, the provisions on this particular point or aspects in the relevant Indian Standards shall be referred to.
4. All measurements and computations, unless otherwise specified, shall be carried out nearest to the following limits:
  - (i)Length, width and depth (height).....0.01 Mt.
  - ( ii)Areas.....0.01 Sq.Mt.
  - (iii)Cubic Contents.....0.01 Cu.Mt.In recording dimensions of work.  
The sequence of length, width and height (depth) or thickness shall be followed.
5. The distance which constitutes lead shall be determined along the shortest partial route and not necessarily the route actually taken. The decision of the Engineer-in-charge in this regard shall be taken as final.
6. Where no lead is specified, it shall mean “all leads”.
7. Lift shall be measured from plinth level.
8. Definite particulars covered in the items of work, though not mentioned or elucidated in its specifications shall be deemed to be included therein.
9. Reference to specifications of materials as made in the detailed specification the items of works is in the form of a designation containing the number of the specification of the material and prefix ‘M’ e.g. ‘M-s’.
10. Approval of the samples of various materials given by the Engineer-in-charge shall not absolve the contractor from the responsibility of replacing defective material brought on site or materials used in the work found defective at a later date. The contractor shall have no claim to any payment or compensation whatsoever on account of any such materials being rejected by the Engineer-in-charge.
11. The contract rate of the item of work shall be for the work completed in all respects.
12. No collection of materials shall be made before it is got approved from the Engineer-in-charge.
13. Collection of approved materials shall be done at site of work in a systematic manner. Materials shall be stored in such a manner as to prevent damage, deterioration or intrusion of foreign matter and to ensure the preservation of their quality and fitness for the work.
14. Materials, if and when rejected by the Engineer-in-charge, shall be immediately removed from the site of work.
15. No materials shall be stored prior to, during and after execution of a structure in such a way as to cause or lead to damage on overloading of the various components of the structure.



16. All work shall be carried out in a workmanlike manner as per the best techniques for the particular item.
17. All tools, templates, machinery and equipment for correct execution of the work as well as for checking lines, levels, alignment of the works during execution shall be kept in sufficient numbers and in good working condition on the site of the work.
18. The mode procedure and manner of, execution shall be such that it does not cause damage or over-loading of the various components of the structure during execution of after completion of the structure.
19. Special modes of construction not adopted in general Engineering practice, if proposed to be adopted by the Contractor, shall be considered only if the contractor provides satisfactory evidence that such special mode of construction is safe, sound and helps in speedy construction and completion of work to the required strength and quality. Acceptance of the same by the Engineer-in-charge shall not, however, absolve the contractor of the responsibility of any adverse effects and consequences of adopting the same in the course of execution of completion of the work.
20. All installations pertaining to water supply and fixtures thereof as well as drainage lines and sanitary fittings shall be deemed to be completed only after giving satisfactory tests by the Contractor.
21. The contractor shall be responsible for observing the rules and regulations imposed under the "Minor Minerals Act", and such other laws and rules prescribed by Government from time to time.
22. All necessary safety measures and precautions (including those laid down in the various relevant Indian Standards) shall be taken to ensure the safety of men, materials and machinery on the works as also of the work itself.
23. The testing charges of all materials shall be borne by the Contractor.
24. Approval to any or the executed items for the work does not in any way relieve the contractor of his responsibility for the correctness, soundness and strength of the structure as per the drawings and specifications.

SEAL & SIGNATURE OF THE CONTRACTOR:-

ADDRESS:-

DATE:-

Executive Engineer  
Drainage Department  
Surat Municipal Corporation

## **24. SPECIFICATIONS OF MATERIALS**

**Note: Latest addition of I.S. code shall be applied.**

### **M-1 WATER:**

- 1.1 Water shall not be salty or brackish and shall be clean, reasonably clear and free from objectionable quantities of silt and traces of oil and injurious alkalis, salts, organic matter and other deleterious material which will either weaken the mortar or concrete or cause efflorescence or attack the steel in R.C.C. Container for transport, storage and handling of water shall be clean. Water shall conform to the standards specified in I.S. 456-2000.
- 1.2 If required by the Engineer-in-charge it shall be tested by comparison with distilled water. Comparison shall be made by means of standard cement tests for soundness, time of setting and mortar strength as specified in I.S.269-1989. Any indication of unsoundness, change in time of setting by 30minutes or more or decrease of more than 10percent in strength of mortar prepared with water sample when compared with the results obtained with mortar prepared with distilled water shall be sufficient cause for rejection of water under test.
- 1.3 Water for curing mortar, concrete or masonry should not be too acidic or too alkaline. It shall be free of elements which significantly affect the hydration reaction or otherwise interfere with the hardening of mortar or concrete during curing or those which produce objectionable stains or other unsightly deposits on concrete or mortar surfaces.
- 1.4 Hard and bitter water shall not be used for curing.
- 1.5 Portable water shall generally be found suitable for curing mortar or concrete.

### **M-2 LIME:**

- 2.1 Lime shall be hydraulic lime as per I.S.712-1984. Necessary tests shall be carried out as per I.S. 6932 (Parts I to X) 1995.
- 2.2 The following field tests for limes are to be carried out ---
  - a] A very rough idea can be formed about the type of lime by its visual examination i.e. fat lime bears pure white colour, lime in form of porous lumps of dirty white colour, indicates quick lime, and solid lumps the unburnt lime stone.
  - b] Acid tests for determining the carbonate content in lime. Excessive amount of impurities and rough determination of class of lime.
- 2.3 Storage shall comply with I.S. 712-1984. The slaked lime, if stored, shall be kept in a weather proof and damp proof shed with impervious floor and sides to protect it against rain, moisture, weather and extraneous materials mixing with it. All lime that has been damaged in any way shall be rejected and all rejected materials shall be removed from site of work.
- 2.4 Field testing shall be done according to I.S. 162-1989 to show the acceptability of materials.

### **M-3 CEMENT:**

- 3.1 Cement shall be ordinary Portland slag cement as per I.S. 269-1989 or Portland slag cement as per I.S. 455-1976 and revised latest I.S.

### **M-4 WHITE CEMENT:**

- 4.1 The white cement shall conform to I.S. 8042-1989.

### **M-5 COLOURED CEMENT:**

- 5.1 Colored cement shall be with white or grey Portland cement as specified in the item of the work.
- 5.2 The pigments used for colored cement shall be of approved quality and shall not exceed 10% of cement used in the mix. The mixture of pigment and cement shall be properly ground to have a uniform colour and shade. The pigments shall have such properties as to provide for durability under exposure to sun-light and weather.
- 5.3 The pigment shall have the property such that it is neither affected by the cement nor detrimental to it.

**M-6 SAND:**

- 6.1 Sand shall be natural sand, clean, well graded, strong, durable and gritty particles free from injurious amounts of dust, clay, kankar nodules, soft or flaky particles, shale, alkali, salts, organic matter, loam, mica or other deleterious substances and shall be got approved from the Engineer-in-charge. The sand shall not contain more than 8% of silt as determined by field tests. If necessary, the sand shall be washed to make it clean.
- 6.2 Coarse Sand: The fineness modulus of coarse sand shall not be less than 2.5 and shall not exceed 3.0. The sieve analysis of coarse sand shall be as under ---

I.S. Sieve Designation	% by weight passing sieve	I.S. Sieve Designation	% by weight passing sieve
4.55 mm	100	600 Micron	30-100
2.36 mm	90-100	300 Micron	5-70
1.18 mm	70-100	150 Micron	0-60

- 6.3 Fine Sand: The fineness modulus shall not exceed 1.0. The sieve analysis of fine sand shall be as under ---

I.S. Sieve Designation	% by weight passing sieve	I.S. Sieve Designation	% by weight passing sieve
4.55 mm	100	600 Micron	40-85
2.36 mm	100	300 Micron	5-50
1.18 mm	75-100	150 Micron	0-10

**M-7 STONE DUST:**

- 7.1 This shall be obtained from crushing hard black tray or equivalent; it shall not contain more than 8% of silt as determined by field test with measuring cylinder. The method of determining silt contents by field test is given as under.
- 7.2 A sample of stone dust to be tested shall be placed without drying in 200 mm measuring cylinder. The quantity of the sample shall be such that it fills the cylinder up to 100 mm mark. The clean water shall be added up to 150 mm mark. The mixture shall be stirred vigorously and the content allowed to settle for 3 hours.
- 7.4 The height of silt visible as settled layer above the stone dust shall be expressed as percentage of the height of the stone dust below. The stone dust containing more than 8% silt shall be washed so as to bring the silt content within the allowable limit.
- 7.5 The fineness modulus of stone dust shall not be less than 1.80.

**M-8 STONE GRIT :**

- 8.1 Grit shall consist of crushed or broken stone and be hard, strong, dense, durable, clean, of proper gradation and free from skin or coating likely to prevent proper adhesion of mortar. Grit shall generally be cubical in shape and as far as possible flaky elongated pieces shall be avoided. It shall generally comply with the provisions of I.S. 383-1990. Unless a special stone

of a particularly quarry is mentioned, grit shall be obtained from the best black trap or equivalent hard stone as approved by the Engineer-in-charge. The grit shall have no deleterious reaction with cement.

- 8.2 The grit shall conform to the following gradation as per sieve analysis:

I.S. Sieve Designation	% by weight passing sieve	I.S. Sieve Designation	% by weight passing sieve
12.50 mm	100%	4.75 mm	2.20%
10.00 mm	80-100%	2.36 mm	0.25%

- 8.3 The crushing strength of grit will be such as to allow the concrete in which it is used to build-up the specified strength of concrete.

- 8.4 The necessary tests for grit shall be carried out as per the requirements of I.S. 2338 (Parts I to VIII) 1988, as per instruction of the Engineer-in-charge. The necessity of test will be decided by the Engineering-in-charge.

**M-9 CINDER:**

- 9.1 Cinder is well brunt furnace residue which has been fused or sintered into lumps of varying sizes.
- 9.2 Cinder aggregates shall be well burnt furnace residue obtained from furnace using coal fuel only. It shall be sound clear and free from clay, dirt, ash or other deleterious matter.
- 9.3 The average grading for cinder aggregates shall be as mentioned below:
- |         |     |
|---------|-----|
| 20 mm   | 100 |
| 10 mm   | 86  |
| 5.75 mm | 70  |
| 2.36 mm | 52  |

**M-10 LIME MORTAR:**

- 10.1 LIME: Shall conform to specification M-2. WATER: Water shall conform to specification M-1. SAND: Sand shall conform to specification M-6.
- 10.2 PROPORTION OF MIX: Mortar shall consist of such proportions of slaked lime and sand as may be specified in the item. The slaked lime and shall be measured by volume.
- 10.3 PREPARATION OF MORTAR: Lime mortar shall be prepared by wet process as per I.S. 1625-1971. Power driven mill shall be used for preparation of lime mortar. The slaked lime shall be placed in the mill in an even layer and ground for 180 revolutions with sufficient water. Water shall be added as required during grinding (care being taken not to add more water) that will bring the mixed material to a consistency of stiff paste. Thoroughly wetted sand shall then be added evenly and the mixture ground for another 180 revolutions.
- 10.4 STORAGE: Mortar shall always be kept damp, protected from sun and rain till used up, covering it by tarpaulin or open sheds.
- 10.5 USE: All mortar shall be used as soon as possible after grinding. It should be used on the day on which it is prepared. But in no case mortar made earlier than 36 hours shall be permitted for use.

**M-11 CEMENT MORTAR:**

- 11.1 Water shall conform to specification M-1. Cement shall conform to specification M-3. Sand shall conform to M-5.
- 11.2 PROPORTION OF MIX: 11.2.1 Cement and sand shall be mixed to specified proportions, sand being measured by measuring boxes. The proportion of cement shall be by volume on the basis of 50 Kg./Bag of cement being equal to 0.0342 cu.m. The mortar may be hand mixed or machine mixed as directed.

- 11.3 **PREPARATION OF MORTAR:**11.3.1 In hand mixed mortar, cement and sand in the specified proportions shall be thoroughly mixed dry on a clean impervious platform by turning over at least 3 times or more till a homogeneous mixture of uniform colour is obtained. Mixing platform shall be so arranged that no deleterious extraneous material shall get mixed with mortar or mortar shall flow out. While mixing, the water shall be gradually added and thoroughly mixed to form a stiff plastic mass of uniform colour so that each particle of sand shall be completely covered with a film of wet cement. The water cement ratio shall be adopted as directed.
- 11.4 The mortar so prepared shall be used within 30 minutes of adding water. Only such quantity of mortar shall be prepared as can be used within 30 minutes.

**M-12 STONE COARSE AGGREGATE FOR NOMINAL MIX CONCRETE :**

- 12.1 Coarse aggregate shall be of machine crushed stone of black trap or equivalent and be hard, strong, dense, durable, clean and free from skin and coating likely to prevent proper adhesion of mortar.
- 12.2 The aggregate shall generally be cubical in shape. Unless special stones of particular quarries are mentioned aggregates shall be machine crushed from the best black trap or equivalent hard stone as approved. Aggregate shall have no deleterious reaction with cement. The size of the coarse aggregate for plain cement concrete and ordinary reinforced cement concrete shall generally be as per the table given below. However, in case of reinforced cement concrete the maximum limit may be restricted to 6 mm. Less than the minimum lateral clear distances between bars or 6mm. less than the cover whichever is smaller.

**TABLE**

I.S. Sieve Designation	Percentage Passing for single sized aggregates of nominal size			I.S. Sieve Designation	Percentage Passing for single sized aggregates of nominal size		
	40 mm	20 mm	16 mm		40 mm	20 mm	16 mm
80 mm	-	-	-	12.5 mm	-	-	-
63 mm	100	-	-	10.0 mm	0.50	0.20	0.30
40 mm	80-100	100	-	4.75 mm	-	0.50	0.50
20 mm	0-20	85-100	100	2.75 mm	-	-	-
10 mm	-	-	85-100				

**NOTE:-** This percentage may be varied somewhat by the Engineer-in-charge when considered necessary for obtaining better density and strength of concrete.

- 12.3 The grading test shall be taken in the beginning and at the change of source of materials. The necessary tests indicated in I.S. 383-1990 and I.S. 456-2000 shall have to be carried out to ensure the acceptability. The aggregates shall be stored separately and handled in such a manner as to prevent the intermixing of different aggregates. If the aggregates are covered with dust, they shall be washed with water to make, them clean.

**M-13 BLACK TRAP OR EQUIVALENT HARD STONE COURSE:**

- 13.1 Aggregate for Design Mix Concrete: Course aggregate shall be of machine crushed stone of black trap or equivalent hard stone and be hard, strong, dense, durable, clean and free from skin and coating likely to prevent proper adhesion of mortar.
- 13.2 The aggregates shall generally be cubical in shape, unless special stones of particular quarries are mentioned, aggregates shall be machine crushed from the best, black trap or equivalent hard stones as approved. Aggregate shall have no deleterious reaction with cement.
- 13.3 The necessary tests indicated in I.S. 383-1990 and I.S. 456-2000 shall have to be carried out to ensure the acceptability of the material.
- 13.4 If aggregate is covered with dust it shall be washed with water to make it clean.

**M-14 BRICK BATS AGGREGATE:**

14.1 Brick bat aggregate shall be broken from well burnt or slightly over burnt and dense bricks. It shall be homogeneous in texture, roughly cubical in shape, clean and free from dirt of any other foreign material. The brick bats shall be of 40 mm to 50 mm size unless otherwise specified in the item. The under burnt or over burnt brick bats shall not be allowed.

14.2 The brick bats shall be measured by volume by suitable boxes as directed.

**M-15 BRICKS:**

15.1 The bricks shall be hand or machine moulded and made from suitable soils and kiln burnt. They shall be free from cracks and flaws not nodules of free lime. They shall have smooth rectangular faces with sharp corners and shall be of uniform colour. The bricks shall be moulded with a frog of 100mm x 40 mm and 10mm to 20mm deep on one of its flat sides. The bricks shall not break when dropped on the ground from a height of 600 mm.

15.2 The size of modular bricks shall be 190mm x 90mm x 90mm.

15.3 The size of conventional bricks shall be as under ---  
225 x 110 x 75mm.

15.4 Only bricks of one standard size shall be used on one work. The following tolerances shall be permitted in the conventional size adopted in a particular work.

Length : 3.00 mm

Width : 1.50 mm

Height : 1.50 mm

15.5 The crushing strength of the bricks shall not be less than 35 Kg./Sq.Cm. The average water absorption shall not be more than 20% by weight. Necessary tests for crushing strength and water absorption etc. shall be carried out as per I.S. 3495 (Part I to IV)-1992.

**M-15A FLYASH BUILDING BRICKS :**

The Flyash building bricks shall conform to Grade-5 of IS-13757.

The frog of the 80 to 100 mm x 40 mm x 10 to 20 mm size.

The size of modular bricks shall be 190 mm x 90 mm x 90 mm.

The size of conventional brick shall be 230 mm x 110 mm x 70 mm.

Only bricks of one standard size shall be used on one work. The following tolerances shall permit in the conventional size adopted in a particular work:

Length : + 4 mm

Width : + 2 mm

Height : + 2 mm

The physical characteristic of bricks shall be as follows:

The minimum compressive strength of Fly ash building bricks shall not be less than 70 Kg/Sq.Cm. and the test shall be conform to IS-3495 (Part-I).

The average water absorption not more than 20 percentages by weight and the test shall conform to IS-3495(Part-3). Sampling of Fly ash building bricks and criteria for conformity shall be as per I.S.:5454.

**M-16 STONE:**

16.1 The stone shall be of the specified variety such as Granite/Trap stone/Quartzite or any other type of good hard stones. The stones shall be obtained only from the approved quarry and shall be hard, sound, durable and free from defects like cavities, cracks, sand holes, flaws, injurious veins, patches of loose or soft materials etc. And weathered portions and other structural defects or imperfection tending to affect their soundness and strength. The stone with round surface shall not be more than 5% of dry weight. When tested in accordance with

I.S. 1134-1985. The minimum crushing strength of the stone shall be 200 Kg./Sq.Cm. unless otherwise specified.

- 16.2 The samples of the stone to be used shall be got approved before the work is started.
- 16.3 The khanki facing stone shall be dressed by chisel as specified in the item for khanki facing in required shape and size. The face of the stone shall be so dressed that the bushing on the exposed face shall not project by more than 40 mm. from the general wall surface and on face to be plastered it shall not project by more than 19 mm nor shall it have depressions more than 10 mm from the average wall surface.

**M-17 LATERITE STONE:**

- 17.1 Laterite stone shall be obtained from the approved quarry. It shall compact in texture, sound, durable and free from soft patches. It shall have a minimum crushing strength of 100 Kg/Sq.Cm. in its dry condition. It shall not absorb water more 20% of its own weight, when immersed for 25 hours in water. After quarrying, the stone shall be allowed to weather for some time before using in work.
- 17.2 The stone shall be dressed into rectangular blocks so that all faces are from waviness and unevenness and the edges true and square.
- 17.3 Those type of stone in which white clay occurs should not be used.
- 17.4 Special corner stones shall be provided where so directed.

**M-18 MILD STEEL BARS/TMT/CRS BARS:**

- 18.1 Mild steel bars reinforcement TMT/CRS Bars for R.C.C. work shall conform to I.S. 432 (Part-II)-1982 and shall be of tested quality. It shall also comply with the relevant part of I.S.456-1978 and revised latest I.S. Code.
- 18.2 All the reinforcement shall be clean and free from dirt, paint, grease, mill scale or loose or thick rust at the time of placing.
- 18.3 For the purpose of payment the bar shall be measured correct up to 10 mm length and weight payable worked out as per the rate specified below:

(i)	6 mm	0.22 Kg/Rmt.
(ii)	8 mm	0.39 Kg/Rmt.
(iii)	10 mm	0.62 Kg/Rmt.
(iv)	12 mm	0.89 Kg/Rmt.
(v)	14 mm	1.21 Kg/Rmt.
(vi)	16 mm	1.58 Kg/Rmt.
(vii)	18 mm	2.00 Kg/Rmt.
(viii)	20 mm	2.47 Kg/Rmt.
(ix)	22 mm	2.98 Kg/Rmt.
(x)	25 mm	3.86 Kg/Rmt.
(xi)	28 mm	4.83 Kg/Rmt.
(xii)	32 mm	6.32 Kg/Rmt.
(xiii)	36 mm	8.00 Kg/Rmt.
(xiv)	40 mm	9.88 Kg/Rmt.

**M-19 HIGH YIELD STRENGTH STEEL DEFORMED BARS:**

- 19.1 High yield strength steel deformed bars shall be either cold twisted or hot rolled and shall conform to I.S. 1739-1978 and I.S. 1139-1966 respectively.

19.2 Other provision and requirements shall conform to specification no. M-18 for Mild Steel Bars.

**M-20 HIGH TENSILE STEEL WIRES:**

- 20.1 The high tensile wires for use in pre-stressed concrete shall conform to I.S. 2090-1983.
- 20.2 The tensile strength of the high tensile steel bars shall be as specified in the item. In absence of the given strength and minimum strength shall be taken as per para 6-1 of the I.S.1785-1962. Testing shall be done as per I.S. requirements.
- 20.3 The high tensile steel shall be free from loose mill scale, rust, oil, grease or any other harmful matter. Cleaning of steel bars may be carried out by immersion in solvent solution, wire brushing or passing through a pressure box containing carborundum.
- 20.4 The high tensile wire shall be obtained from manufactures in coils having diameter not less than 350 times the diameter of wire itself so that wire springs back straight on being uncoiled.

**M-21 MILD STEEL BINDING WIRE:**

- 21.1 The mild steel wire shall be of 1.63mm or 1.22mm (16 or 18 gauge) diameter and shall conform to I.S. 280-1978.
- 21.2 The use of black wire will be permitted for binding reinforcement bars. It shall be free from rust, oil, paint, grease, loose mill scale or any other undesirable coating which may prevent adhesion of cement mortar.

**M-22 STRUCTURAL STEEL:**

- 22.1 All structural steel shall conform to I.S.226-1975. The steel shall be free from the defects mentioned in I.S.226- 1975 and shall have a smooth finish. The material shall be free from loose mill scale, rust pits or other defects affecting the strength and durability. Rivet bars shall conform to I.S. 1148-1992.
- 22.2 When the steel is supplied by the contractor test certificates of the manufacturers shall be obtained according to I.S.226-1975 and other relevant Indian Standards.

**M-23 GALVANISED IRON SHEETS:**

- 23.1 The galvanized iron sheets shall be plain or corrugated sheets of gauge as specified in item. The G.I. Sheets shall conform to I.S. 277-1992. The sheets shall be undamaged in carriage and handling either by rubbing off of zinc coating or otherwise. They shall have clean and bright surface and shall be free from dents, bends, holes, rust or white powdery deposit.
- 23.2 The length and width of G.I. sheets shall be as directed as per site condition.

**M-23-A G.I. VALLEYS GUTTER, RIDGES:**

- 23-A.1 The G.I. ridges and hips shall be of plain galvanized sheets class-3 of the thickness as specified in item. These shall be 600 mm width and properly bent up to shape without damage to the sheets in process of bending.
- 23-A.2 Valleys gutters and flashings shall be also of galvanized sheet of thickness as specified in item. Valleys shall be 900 mm. Wide overall and flashing shall be 380 mm wide over all. They shall be bent to the required shape without damage to the sheet in the process of bending.

**M-24 ASBESTOS CEMENT SHEETS:**

- 24.1 Asbestos cement sheets plain, corrugated or semi-corrugated shall conform to I.S. 459-1970. The thickness of the sheets shall be as specified in the item. The sheet shall be free from all defects such as cracks, holes, deformities, chipped edges or otherwise damaged.
- 24.2 Ridges and Hips:



24.2.1 Ridges and hips shall be of same thickness as that of A. C. sheets. The types of ridges shall be suitable for the type of sheets and locations.

24.2.2 Other accessories to be used in roof such as flashing pieces, eaves filler pieces; valley gutters, north light and ventilator curves, barge boards etc. shall be of standard manufacture and shall be suitable for the type of sheets and location.

**M-25 MANGALORE PATTERN ROOF TILES:**

25.1 The Mangalore pattern tiles shall conform to I.S. 654-1992 for Class 'AA' or 'A' type as specified in item. Samples of the tiles to be provided shall got approved from the Engineer-in-charge. Necessary tests shall be carried out as directed.

**M-26 SHUTTERING:**

26.1 The shuttering shall be either of wooden planking of 30mm minimum thickness with or without steel lining or of steel plates stiffened by steel angles. The shuttering shall be supported on battens and beams and props of vertical ballies properly cross bracked together so as to make the centering rigid. In places of ballie props, bricks pillar of adequate section built in mud mortar may be used.

26.2 The form work shall be sufficiently strong and shall have camber, so that it assumes correct shape after deposition of the concrete and shall be able to resist forces caused by vibration of concrete, live load of men working with it and other incidental loads associated with it. The shuttering shall have smooth and even surface and its joints shall not permit leakage of cement grout.

26.3 If at any stage of work during or after placing concrete in the structure, the form work sags or bulges out beyond the required shape of the structure, the concrete shall be removed and work redone with fresh concrete and adequately rigid form work. The complete form work shall be got inspected by and approved from the Engineer-in-charge, before the reinforcement bars are placed in position.

26.4 The props shall consists of bullies having 100mm minimum diameter measured at mid length and 80mm at thin end and shall be placed as per design requirement. These shall rest squarely on wooden sole plates 40 mm. Thick and minimum bearing area of 0-10 sq.m. laid on sufficiently hard base.

26.5 Double wedges shall further be provided between the sole plate and wooden props so as to facilitate tightening and easing of shuttering without jerking the concrete.

26.6 The timber used in shuttering shall not be so dry so as to absorb water from concrete and swell or bulge nor do so green or wet so as to shrink after erection. The timber shall be properly sawn and planed on the sides and the surface coming in contact with concrete. Wooden form work with metal sheet lining or steel plates stiffened by steel angles shall be permitted.

26.7 As far as practicable, clamps shall be used to hold the forms together and use of nails and spikes avoided.

26.8 The surface of timber shuttering that would come in contact with concrete shall be well wetted and coated with soap solution before the concreting is done. Alternatively coat of raw linseed oil or oil of approved manufacture may be applied in place of soap solution. In case of steel shuttering either soap solution or raw linseed oil shall be applied after thoroughly cleaning the surface. Under no circumstances black or burnt oil shall be permitted.

26.9 The shuttering for beams and slabs shall have camber of 4mm per meter (1 in 250) or as directed by the Engineer-in-charge so as to off set the subsequent deflection. For cantilevers, the camber at free end shall be 1/50 of the projected length or as directed by the Engineer-in-charge.

**M-27 EXPANSION JOINTS - PREMOULDED FILLER:**

27.1 The item provides for expansion joints in R.C.C. frame structures for internal joints, as well as exposed joints, with the use of pre-moulded bituminous joint filler.

27.2 Pre-moulded bituminous joint filler i.e. performed strip of expansion joint filler shall not get deformed or broken by twisting, bending or other handling when exposed to atmospheric condition. Pieces of joint filler that have been damaged shall be rejected.

27.3 Thickness of the pre moulded joint filler shall be 25 mm unless otherwise specified.

27.4 Pre-moulded bituminous joint filler shall conform to I.S. 1838-1961.

**M-28 EXPANSION JOINTS - COPPER STRIPS AND HOLD FASTS:**

- 28.1 The item provides for expansion joints in R.C.C. frame structure for internal joints as well as for exposed joints with the use of necessary copper strip and holdfasts.
- 28.2 Copper sheet shall be 1.25 mm thick and of 1.25 mm with 'U' shape in the middle, copper strip shall have holdfast of 3 mm diameter copper rod fixed to the plate soldered on strip at interval so f about 30 cm. or as shown in the drawing or as directed. The width of each flange (horizontal side) of the copper plate to be embedded in the concrete work shall be 25 mm Depth of 'U' to be provided in the expansion joint, in the copper plate shall be of 25 mm.

**M-29 SELECTED EARTH:**

- 29.1 The selected earth shall be that obtained from excavated material or shall have to be brought from outside as indicated in the item. If item does not indicate anything, the selected earth shall have to be brought from outside.
- 29.2 The selected earth shall be good yellow soil and shall be got approved from the Engineer-in-charge. In no case black cotton soil or similar expansive and shrinkable soil shall be used. It shall be clean and free from all rubbish and perishable materials, stones or brick bats. The clods shall be broken to a size of 50 mm. or less. Contractor shall make his own arrangements at his own costs for land for borrowing selected earth. The stacking of materials shall be done as directed by the Engineer-in-charge in such a way as not to interfere with any constructional activities and in proper stacks.
- 29.3 When excavated material is to be used, only selected stuff got approved from the Engineer-in-charge shall be used. It shall be stacked separately and shall comply with all the requirements of selected earth mentioned above.

**M-30 POLYPROPYLENE STEPS:**

The polypropylene steps shall be clean, well-cast and they shall be free from air and sand holes, cold shuts and warping which are likely to impair the utility of the castings. The portion of the step which projects from walls of the machine hole shall have a raised required designed above the general plane of the top surface of the step along the edges of the tread to provide adequate non-slip grip. The steps shall be of dimensions 263 mm x 165 mm x 25 mm (as shown in drawings) with necessary holding arrangement and carting minimum weight of 0.90 Kg. confirming to an ASTM D-4101.

SEAL &SIGNATURE OF THE CONTRACTOR: -

ADDRESS: -

DATE: -

Executive Engineer  
Drainage Department  
Surat Municipal Corporation

## **25. ITEMWISE DETAILED TECHNICAL SPECIFICATION**

### **ITEM NO.1:**

**Excavation for pipe line trenches for water supply sewerage line machine hole etc. all with shoring and strutting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified. In hard murrum, boulders incl. macadam road.**

Item includes breaking and removing of the road surface up to the bottom of the base course, rubble soling etc. Item also includes stacking of useful material up to the lead of 50 meters.

#### **Mode of measurement and payment:-**

Payment shall be made on cubic meter basis.

### **ITEM NO.2:**

**Excavation in bituminous road as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified. Excavation in Bituminous road**

Detailed specification as per Item No.1.

### **ITEM NO.3:**

**Providing cutting of existing bituminous surface up to suitable depth in line and alignment using Mechanically operated cutter machine before excavating existing surface for utility laying including cost of all type of machinery, fuel, labour etc. and as per direction of engineer in charge.**

#### **Mode of measurement and payment:-**

Payment shall be made on Running meter basis.

### **ITEM NO.4:**

**Excavation for pipeline trenches for water supply, sewerage line, machine hole etc. all with shoring and strutting if required as per required gradient and line including safety provision using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified. C.C. Road**

#### **Mode of measurement and payment:-**

Payment shall be made on cubic meter basis

### **ITEM NO.5:**

**Excavation for pipe line trenches for water supply, sewerage line, machine hole etc. all with shoring and strutting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified.**

**(A) Up to 1.5 Mt. depth from G.L.**

**(B) 1.5 Mt. to 3.00 Mt. depth**

**(C) 3.0 Mt. to 4.50 Mt. depth**

**(D) 4.5 Mt. to 6.00 Mt. depth**

**(E) 6.0 Mt. to 7.50 Mt. depth**

**(F) 7.50 Mt. to 9.00 Mt. depth**

**(G) 9.00 Mt. to 10.50 Mt. depth**

**GENERAL:**

Any soil which generally yields to the application of pickaxes and shovels of numbers of scarifiers, spades, rakes or any such excavating implement or organic soil, gravel, silt, sand, turf, loam, clay, peat etc., fall under this category.

**CLEARING OF SITES:**

The site on which the drain is to be laid shall be cleared and all obstructions, like loose materials and rubbish of all kind, bush, wood and trees shall be removed as directed. The materials so obtained shall be the property of the Corporation and shall be conveyed and stacked as directed with 90 m. lead. The roots of the trees coming in the site shall be cut and coated with hot asphalt.

The rate of site clearance is deemed to be included in the rate of earthwork for which no extra payment will be paid.

**SETTING OUT:**

All the center line of drain trenches shall be given by the Engineer-in-charge and it will be the responsibility of the contractor to install substantial reference marks, bench marks etc. and maintain them as long as required true to line, level, curve & slopes. The contractor shall assume full responsibility for alignment, elevation and dimensions of each and all parts of the work. The labour, materials etc. required for setting out and establishing bench marks and other reference marks shall be arranged by the contractor at his own cost.

**EXCAVATION:**

The excavation for the drain trenches shall include removal of all materials of whatsoever nature and whether wet or dry, necessary for the laying of pipe lines/construction of box drain and sub-structure exactly in accordance with lines, levels, grades and curves shown on the plans & L-sections. Trenches shall be excavated to the exact width at the lowest portion of the trench and the sides shall be left vertical as far as possible or according to the angle of repose of various soils. The contractor shall notify the Engineer before starting excavation to enable him to take cross sectional levels for purpose of measurements before the ground is disturbed.

Excavation shall be carried out in strata's specified in item of schedule 'B'. The lift will be also as specified in Schedule 'B'. Excavated material shall be stacked at a minimum distance of 1.5 meters away from the edge of the trench. The leveling Instruments shall be used for checking the gradients of bed or trenches. Before the trench excavation is started, sight rails made of good timber shall be fixed truly vertical at a uniform height, above the invert. The center line shall be clearly marked on the sight rails. Depth of excavation shall be checked by leveling instruments only as per instructions of the Engineer-in-charge.

The bottom of the trenches shall be leveled both longitudinally and transversely or stepped as directed by the Engineer. The contractor shall, at his own cost, remove such portion of boulders or rock, as required to make the bottom of the trench level. No filling shall be allowed to bring the bottom of the trench in level. If by contractor's mistake, Excavation is made deeper than shown on the plan ordered by the Engineer, the extra depth shall be duly watered and rammed as directed by the Engineer as at the cost of the contractor. All rock or other hard foundation shall be cleared off, all soft and loose material cut to a firm surface, either level, stepped as directed by the Engineer. The Engineer may order such changes in the dimensions and elevation of bottom of trenches and may be deemed necessary to secure satisfactory laying of pipe lines. The contractor shall at his own expense, make provision for all pumping, dredging, bailing out of draining water and the trenches shall be kept free of water, during construction work.

Extra excavation to be done for joint pits shall be paid separately by SMC at the rate of the respective item of excavation but in any case extra width for excavation of Joint pits shall not exceed 500 mm

from outer face of joint on both sides as well as 100 mm in bottom and 600 mm in length on the either side.

After each excavation is completed, the contractor shall notify the Engineer to that effect and no trench will be allowed to be filled up until the Engineer or his authorized agent approved the depths and dimensions of excavation and the nature of the strata met with and the level and/or measurements are recorded.

The work measured shall be maintained till completion and in case of collapse of sides or bottom of trenches due to any reasons, it shall be made good without any extra cost.

#### **PROTECTION:**

In case of excavation is to be done with sloping of stopping sides (i.e. to the given angle) as per the drawing details, then the rates for shoring and strutting shall be considered included in this item. Wherever required the shoring strutting may be done. It shall conform to specification of shoring and strutting which is explained in other item of this tender.

The drainage trenches shall be strongly fenced and red light signals shall be kept at night in charge of watchmen to prevent accidents. Sufficient care and protective measure shall be taken to see that the excavation shall not affect or damage the adjoining structure. The contractor shall be entirely responsible for any injury to life and damage to the properties etc. Necessary protection work such as guide ropes, crossing places, barricades, caution Boards etc. shall be provided by the Contractor. The wooden planks for crossing trenches by public as per requirement shall be provided by the contractor without any extra cost.

#### **ADDITIONAL REQUIREMENTS :**

At the joints drain the trench shall be excavated to an additional depth of 15 cms. and width of 30 cms. and length of 15 cms. beyond the edge of collar on both the sides or as directed by Engineer-in-charge. The rate includes for such extra excavation made at the joints. The trenches shall be excavated perfectly in straight line. The bottom of trench shall be kept as per invert level or as directed. In obtaining formation on the bottom trench, the usual method of leveling instruments shall adopted. The contractor shall have to provide and maintain leveling instruments without any extra cost.

If case of emergencies such as unexpected rains, important public occasions, dangers to properties etc. the contractor shall be required to fill up the excavation with necessary consolidation, which may be re-excavated for flow test and refilled for which no extra claim for payment and time limit shall be entertained.

If contractor fails or makes delay to give the flow test of the pipe line laid line any of the section, without any genuine reasons, he shall be responsible to get re-excavate any part of the length of trenches refill in such case (i.e. before testing for safety of pedestrian and / or vehicular traffic) as found necessary be the Engineer-in-charge without any extra cost, if found necessary and as directed by the Engineer-in-charge. The contractor shall have to excavate the refilled trenches, during flow test without any extra cost.

In case of excavation across a road, permission of road authorities shall have to be obtained. At all road crossings, trenches shall be excavated only for half width of the road and pipe shall be laid. The other half shall be excavated only after back filling over the laid pipe line making it suitable for the traffic. The contractor shall provided diversion when the pipe line is to be laid along the road as required and shall maintain the diversion or any part of it, of damaged without any extra cost. At all road crossings, the pipe shall be laid below the crust of the road.

The contractor shall break the road surface by Excavation of chiseling to the exact width and length as shown on the drawing. Separate provision should be made for cutting of road surface. However this item shall be paid separately as mentioned in Item No.1 or 2 whichever is applicable.

The excavated stuff shall be deposited in uniform layers to avoid mixing with other kind of materials at no objectionable place.

The contractor shall have to make his own arrangements for taking trial pits etc. at his own cost, as directed by the Engineer-in-charge.

If necessary, temporary arrangements shall have to be made to divert or convey across all natural water ways or build up drains etc. without any extra cost.

All water pipes, cables; any structure shall be protected by the contractor as directed by the Engineer-in-charge, if met during excavation. Any damage caused shall be rectified without any extra cost.

Breaking of brick structures/R.C.C. works, cement concrete etc. coming in excavation shall be considered as excavation in strata shown in the item, as above and will be paid at the same rate.

All safety precautions shall have to be made by the Contractor.

The excavation in narrow streets, lanes shall have to be carried out with full precautions so as that no property may be damaged. Any compensation to be paid to the other party will be paid by the contractor for which the Surat Municipal Corporation will not be responsible.

All obstacles, structures etc. shall be removed and made good without further claim or extra cost.

#### **DISPOSAL OF EXCAVATED STUFF:**

No excavated stuff from foundation trenches of whatever kind they shall be placed even temporarily nearer 1.5 meter distance prescribed by the Engineer from the outer edge of excavation. The rate of excavation includes sorting out of useful materials and stacking them separately as directed with in specified lead. The material suitable and useful for backfilling or other use shall be stacked in convenient places but not in such a way as to obstruct free of movement of men, animals and vehicles of encroach upon the area required for constructional purpose. The sites shall be kept clean of all debris on completion of the work.

Disposal of excavated materials is subject to the following. Useful materials obtained from cleaning site and excavation shall be stacked within a lead of 90m. Beyond the building area as directed. Materials suitable for back filling shall be stacked at convenient places with in a lead of 90 m from the structure for reuse. Useful stones from excavation shall be stacked nearly within lead of 90m. and will allowed to be used by the Contractor on payment at rates laid down in the contract or if not so laid down at scheduled rates of the corporation or at a mutually agreed rates if there are no such rates in the schedule of rates.

#### **DEWATERING:**

Any water which may accumulate in the excavation during the progress of the work, either, by percolation, seepage, springs, rain or any other cause shall be bailed out by pumping and diverting surface flow if any by earthen binds or by any other means. The bunds shall be removed as soon as the work is completed.

The Contractor shall provides, maintain and operate sufficient number pumping equipment of approved capacity to keep the area of construction free from water and any sub soil water arising during the construction period.

Pumping shall be so controlled to dispose of water from adequate drainage ditches and shall not be rated so as to make in convenience in constructional operations in general. Precaution shall be taken by the Contractor to prevent any damage to the trench, pipe line of adjustment structure.

The excavation shall be kept free from water by the contractor (1) During excavation (2) When pipe laying and construction of joints are in progress and till the Engineer-in-charge considers that them ortaris sufficiently set. (3) During hydraulic testing inspection and measurements.

The contractor shall be paid separately for dewatering exceeds 5 HP.Hr. as per rate mentioned in Schedule-B.

#### **MEASUREMENT AND PAYMENT:**

The payment of a various classes of excavation, depending upon the depth of excavation, shall be made at the unit rate per cubic meter for the quantity actually excavated and accepted by the Engineer limited to dimensions shown in the sanctioned plans L-Section or as directed by the Engineer. Excavation in excess of the sanctioned dimensions shall not be measured nor paid for and if so ordered by the Engineer. The contractor shall have to fill up the excess depth with selected excavated stuff duly watered and rammed as directed by the Engineer-in-charge without any extra payment to the Contractor.

Dimension shall be measured correct to two places of decimals of a meter and individual quantity shall be calculated to two places of decimals of a cubic meter.

The rate for the item of excavation shall include (Unless and otherwise mentioned).

- (a) Clearing of site.
- (b) Setting out work including all materials and labour.
- (c) Refilling the drain trenches with approved materials and watering & consolidating up to original ground level.
- (d) Providing facilities for inspection and measurements at any time by the concerned Corporation Officials.
- (e) Compensation for injury to life and damage to property if caused during progress of work.

All measurement shall be take true vertical depth from bottom of pipe (i.e. I.L. + thickness of pipe).

#### **ITEM NO.6:**

**Refilling of pipeline trenches incl. ramming, watering, consolidating disposal of surplus stuff as directed within a radius of 3 km.**

#### **ITEM NO.7:**

**Dewatering by pumping set of required capacity including temporary platform carting pumping at site and fixing the same in position including all accessories, and fuel and labour etc. complete.**

(Note :- This item shall only be executed when bailing out of drainage/ subsoil water is more than 5 HP.hour).

For dewatering of drainage water from storm line and subsoil water if any shall be diverted with the help of necessary tools, bibs, plants, equipments, diesel pump, fuel etc. All the equipments required for dewatering shall be provided operated and maintained by the contractor himself. The necessary suction and delivery pipe shall be of sufficient length to divert the sewage/subsoil water from the trenches.

The Contractor must repair the leakage joints of storm/private drainage as early as possible as per instruction of Engineer-in-charge.

The rate includes all the tools, plants, machineries, pipes, labour, fuel etc. require for satisfactory completion of this item.

The mode of payment shall be as per the HP. Hour of pump so run.

#### **ITEM NO.8:**

**Demolition/Dismantling RCC work or masonry work or removing of paver block flooring in any part including stacking of serviceable/useful material and disposal of unserviceable material with all lead and lift.(a) Brick masonry work/Paver block, (b) RCC work(c) Unreinforced c.c.**

**ITEM NO.9:**

**Work of Temporary diversion of sewage by plugging the machine holes at upstream and downstream of the sewer stretches proposed to be replaced. The rubber plug required for the plugging the drainage line shall be procured by the contractor and the same shall be the property of contractor. 150mm-400mm sewer line, 450mm-600mm sewer line, 700mm-1200mm sewer line**

This item includes Temporary diversion of sewage by plugging the machine holes at upstream and downstream of the sewer stretches proposed to be replaced. The rubber plug required for the plugging the drainage line shall be procured by the contractor and the same shall be the property of contractor.

Specification of the Savatech-Pluggy-High Performance Sewer Plugs

No	Specification	Plug Size mm	Plug Size mm	Plug Size mm
		150-400	450-600	700-1200
1	Dia of the Plug without air	192 mm	322 mm	472 mm
2	Length of the Plug	635 mm	865 mm	1185 mm
3	Maximum Pressure	3.9 bar	3.9 bar	3.9 bar
4	Working Pressure	3.0 bar	3.0 bar	3.0 bar
5	Thickness of the sleeve (if any)	5-10 mm	5-10 mm	5-10 mm
6	Weight of the Plug	3.0 kg 88antha88.	8.4 kg 88antha88.	17.3 kg 88antha88.
7	Type of the Material (Sleeve)	Kevlar Reinforced Rubber	Kevlar Reinforced Rubber	Kevlar Reinforced Rubber
8	Type of the Material (End fittings)	Reinforced cap with metal plates	Reinforced cap with metal plates	Reinforced cap with metal plates
9	Make & Brand of the Plug	Savatect Pluggy	Savatect Pluggy	Savatect Pluggy

The contractor shall have to bring all the tools, tackles including the rubber plug to complete the item. This item includes plugging of the machine holes on the sewer stretches proposed to be replaced. Both upstream and downstream machine holes of the proposed stretch shall be plugged in such a way that replacement activity could be carried out in the safe manner. The detailed specification of plugging is provided here under.

The contractor shall not be allowed to enter a person / labour into sewer machine hole to plug it. The contractor shall have first demolished the top portion of the machine hole and shall have to make it open up to safe environmental conditions and then after taking all safety measures he may start the machine hole plugging activities. The contractor shall be paid per nos. of plugging made to machine holes.

**ITEM NO.10:**

**Providing & Installation of barricades incl. supplying, painting, with fluorescent paint and fixing, CGI sheets 24 SWG of 1.80 m height & M.S. posts angle 40 x 40 x 5 mm at 2.0 m c/c and dismantling the same after completion of work as directed by Engineer - in - Charge.**

**Market Rate**

1. It is to be provided near excavation for pipe line trenches and for manholes. It is to be carried out on existing where the traffic is of mixed character viz. slow and freight traffic including pedestrian, cyclists etc. for enclosing and confining the area of the actual construction, a module of 1.8 m height GI sheet fixed on ms angle posts shall be provide to cover area of working.

2.The Rate Covers all Labor and supply of required material viz. GI sheets, MS post angle (40x40x5), at site. erecting including hole in pavement structure and fixing MS posts in the existing ground by any stable and fixed devices, painting with different color sheds as approved by engineer in charge, providing road sign boards with blinkers as may be directed by the Engineer-in-charge.

**MEASURMENT AND PAYMENT**



1. The rate shall be paid on the basis of sq.mt area as may be required height of enclosure used.

**ITEM NO.11:**

**Providing and casting in situ C.C. in grade M-15 (approx. corresp. to prop. 1:2:4) (proportions as per mix design or as per Table 9 of IS456 2000 in masses by weigh batching ) using granite, quartzite trap metal of size 6 mm to 20 mm for RCC work, including scaffolding centering, form work, needle vibrated consolidation, curing comp. up to 6 meter depth or height (excluding cost of reinforcement and neat finishing) with centering and shuttering/deshuttering etc. comp. for the thrust block inclg. cost of form work.**

Providing and laying plain cement concrete in 1:2:4 ( 1 cement : 2 coarse sand : 4 coarse aggregate of 20 mm nominal size) for anchored blocks, bed blocks, thrust blocks including marginal excavation as well as dewatering required if any. The item includes the cost of centering, form-work etc. complete and as directed by Engineer-in-charge. The tenderer shall have to make his own arrangement for the water required for construction of thrust block and curing or else water charges at a rate of 3% of the Item rate shall be deducted out rightly.

The thrust and/or anchored blocks are to be provided to support and keep in position bends, tees and other appurtenance as directed by the Engineer. The concrete to be used for this item shall be of 1:2:4 using B.T. metalles of 20 cm to 25 mm size as coarse aggregate. The materials and workmanship for R.C.C. work shall be as per I.S.456-1964. The payment shall be made on cubic meter basis.

The size of the thrust block shall be as per the details furnished by the Engineer from time to time. The work shall be carried out as per relevant section of I.S. 456-1982 wherever applicable as directed by the Engineer.

Payment:

The payment shall be made on cubic meter basis.

**ITEM NO.12:**

**Welding joint for Leakage repairing work of M.S. pipe line with providing necessary tools, tackles, like welding machine, D.G. Sets, cutting machine, etc. including any cutting, manhole, Removing of inner and outer coating, Applying of Inner and Outer Coating of Food grade epoxy paint, light-focus arrangements and procuring power supply for carrying out the work. Contractor shall have to weld stiffness plates as per site situation and as directed by the Engineer-in-charge. Welding in all positions with 3 nos. runs should be done.**

**(A) Welding joint For Top/Side Top of pipe, (B) Welding joint For Bottom/Side Bottom of pipe, (C) Cutting-Welding joint For Manhole Avg 550mm**

**ITEM NO.13:**

**Job work for connection of Existing /adjoining M.S. line etc.with providing necessary tools, tackles, like welding machine, D.G. Sets, cutting machine, etc. including any cutting, manhole, Removing of inner and outer coating, Applying of Inner and Outer Coating of Food grade epoxy paint, light-focus arrangements and procuring power supply for carrying out the work. Contractor shall have to weld stiffness plates as per site situation and as directed by the Engineer-in-charge.**

**Welding in all positions with 3 nos. runs should be done.(A) For 500mm-813mm, (B) For > 813 mm- 1219 mm, (C) For > 1219 mm**

**ITEM NO.14:**

**Providing, manufacturing, supplying and Fixing at site the M.S. special in the required sizes suitable for field welding at site. The size and dimensions shall be conforming to IS:7322, with providing and applying on outer coating of corrosion and chloride resistant treatment and inner coating of food grade quality epoxy paint as approved by Engineer in charge. The item includes cost of providing M.S.plate, fabrication and conveyance etc. complete as directed by the Engineer-in-charge.(A) M.S. Specials Plain & Socket ends, (B)M.S. Specials Flanged ends**

**ITEM NO.15:**

**Providing & Fixing Nut-bolts & washers as per site situation (MR)**

**ITEM NO.16:**

**Providing & Fixing rubber gasket (MR)**

**ITEM NO.17:**

**Providing, Supplying, Lowering, Laying, Repairing to Line, Level and Slope, GRP Pipes confirming to relevant IS and Jointing with specials such as Tees, Bends, Reducers, Valves including and other safety provision, cutting the pipes and making joints.**

**Pipes with specials of following dia. In proper position, grade and alignment as directed by Engineer in charge incl. Conveyance from stores to site of work, labour etc. comp.**

**Up to 600mm Dia, From 700mm to 1000mm Dia, From 1100mm to 1800mm Dia**

**ITEM NO.18:**

**Cart/Transport the same of M. S. Pipes from Surat Municipal Corporation's store Or any other stacking yard located in Corporation boundary from any site to required place as per requirement and directed by engineer in charge.. vice versa**

The payment shall be made on no basis.

**ITEM NO.19:**

**Conveying, lowering, laying and jointing/ making connection with Existing line/ Repairing of the following diameter including placing TEE, Collar etc. including cutting the existing line & necessary dewatering. Pipes with specials of following dia. In proper position, grade and alignment as directed by engineer in charge incl. Conveyance from stores to site of work, labour etc. comp. (1) up to 500 mm dia. C.I. /D.I. pipeline (2) 600 mm to 700 mm dia. C.I./D.I. pipeline (3) 800 mm to 1000 mm dia. C.I./D.I. pipeline**

The payment shall be made on no basis.

**ITEM NO.20:**

**Cutting the C.I./D.I Pipe in pieces as necessary for fitting the special like Tee, Bend etc. Complete.(a) pipe thickness up to 10 mm (b) pipe thickness 11 mm to 20 mm (c) pipe thickness 21 mm to 30 mm**

The payment shall be made on centimeter basis.

**ITEM NO.21:**

**Conveying, lowering, laying and jointing C.I/D.I Pipes with specials of following dia. in proper position, grade and alignment as directed by engineer in charge incl. Conveyance from stores to site of work, labour etc. comp.**

The payment shall be made on running meter basis.

**ITEM NO.22:**

**Conveying, lowering, and fixing Sluice Valve/Butter fly valve/scour valve including making flange joints, tightening the nut and bolts perfectly water tight it by using rubber insulation etc complete as directed by the engineer in charge.**

The payment shall be made on no basis.

**ITEM NO.23:**

**Conveying, lowering, and fixing kinetic type air valve including making flange joints, tightening the nut and bolts perfectly water tight it by using rubber insulation etc complete as directed by the engineer in charge.**

The payment shall be made on no basis.

**ITEM NO.24:**

**Making lead joint perfectly water tight etc. complete Lead and spun yarn shall be issued free of cost.**

The payment shall be made on no basis.

**ITEM NO.25:**

**Making Tyton Rubber Gasket with specials of D.I. fittings.**

The payment shall be made on no basis.

**ITEM NO.26:**

**Chamfering D.I. Pipes as necessary for fitting the specials like Tee. Bend etc. complete.**

The payment shall be made on no basis.

**ITEM NO.27:**

**Providing and making connection with existing line of the following diameter including placing TEE and Coller including cutting the existing line & necessary dewatering. All the arrangement for dewatering (i.e Dewatering pump etc.) shall be provided by the contractor on site at his own cost.**

The payment shall be made on no basis.

## 7. BANK GAURANTEE FORMAT FOR DEPOSITING SECURITY DEPOSIT

**BANK GUARANTEE NO. /20....**

**DATE : .../.../...20....**

**Amount Rs. ..../- (Rs. .... Only)**

**Validity : Till .../.../20...**

**To,  
The Commissioner,  
Surat Municipal Corporation  
Surat.**

1. In consideration of the terms and conditions of an Agreement made between the Commissioner, **Surat Municipal Corporation**, Surat (hereinafter called "**Surat Municipal Corporation**") and.....having Principal office at.....(hereinafter called "Contractor") for the work of " **Leakage repairing work of different sizes of M.S. pipe ,G.R.P. pipe and C.I. / D.I. lines in East Zone-B, West Zone, North Zone and Central Zone area, Surat. (2nd Attempt).** Against the **Work order no. DNG/Out/W/No. ....dated .....** for the security deposit for the due fulfillment by the contractor of the term and conditions contained in the said agreement. We .....**Bank**, ..... Branch, Name of City (herein referred to as the "Bank") at the request of .....do hereby undertake to pay the **Surat Municipal Corporation**, an amount not exceeding **Rs. ..../- (Rs. ....Only) (Security Deposit)** against any loss or damage caused to or suffered by **Surat Municipal Corporation**, reason of any breach of any term or condition contained in the said agreement by the said Contractor.
2. We .....**Bank**, ..... Branch, Name of city do hereby undertake to pay the amount due and payable under this Guarantee without any demur merely on a demand from the **Surat Municipal Corporation** stating that the amount claimed in due by way of loss of damage caused to or would be caused to or suffered by the **Surat Municipal Corporation**, by the reason of any breach by the said Contractor of any of the terms and conditions in the said agreement of by reason of the Contractor failure to perform the said agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee shall be restricted to an amount not exceeding **Rs. ..../- (Rs. ....Only).**
3. We undertake to pay the **Surat Municipal Corporation** any money so demanded not withstanding dispute or disputes raised by the Contractor. In any suit or proceeding pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made under this bond shall be valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.

4. We .....**Bank**, .....Branch, Name of City further agree that the guarantee herein contained shall remain in full force and effective during the period that would be taken for the performance of the said agreement and that under or by virtue of said agreement full paid and its claim satisfied or discharged or till Commissioner, **Surat Municipal Corporation** clarifies that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor and accordingly discharge this guarantee. Unless demand or claim under this agreement is made on us in writing on or before ..... We shall be discharged from all liability under this Guarantee thereafter.

5. We ..... **Bank**, .....Branch, Name of city further agree with the **Surat Municipal Corporation** that the **Surat Municipal Corporation** shall have the fullest liberty without consent and without any manner of our obligations hereunder to vary and of the terms and conditions of the said agreement or to extend the time of performance by the said Contractor from time to time or to postpone for any time or time to time any of the power exercisable by the **Surat Municipal Corporation** against the said Contractor and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of my variation or extension being granted to the said Contractor or for any forbearance, act of indulgence by the part of the **Surat Municipal Corporation** to the said Contractor or by such matter or thing whatsoever which under the law relating to sureties would but for this provision have had the effect of relieving us.

6. This guarantee will not be discharged due to the change in the constitutions of the Bank or the Contractor.

7. We .....**Bank**, .....Branch, name of city lastly undertake not to revoke during its currency, except with the previous consent of the **Surat Municipal Corporation** in writing.

Any claim under this Guarantee must be received by us before the expiry of this Bank Guarantee. If no such claims have been received by us by the said date, the right of **Surat Municipal Corporation** under this Guarantee will cease. However, if such claims have been received by us by the said date, all the rights of **Surat Municipal Corporation** under this Guarantee shall be valid and shall not cease until we have satisfied that claim.

Notwithstanding anything contained herein above,

1. Our liability under this guarantee is restricted to **Rs.** ...../- (**Rs.** ..... **Only**).

2. This Bank Guarantee shall be valid up to .....

3. We are liable to pay Guarantee amount or any part thereof under this bank guarantee at Surat, only and only, if **Surat Municipal Corporation** serve upon us a written claim or demand on or before .....

This Bank Guarantee contains ..... pages.

Seal, Stamp & Signature of  
Bank's authorized signature