

# RAJKOT MUNICIPAL CORPORATION

e-TENDER No.: RMC/PWD/CZ/20-21/35



Bid Documents For  
**Construction of 30. 00 MT DP ROAD from RMC-RUDA BOUNDARY to morbi  
 bye pass road Connecting AIIMS hospital**

Milestone dates for e-tendering is as under	
1. Downloading of e-documents	13-01-2021 to 02-02-2021 18:00 hrs
2. Pre-bid meeting in the O/o Addl.City Engineer at <b>Central Zone</b>	19-01-2021 17:00 hrs
3. Last date for online submission of e - Tender	02-02-2021 upto 18:00 Hours
4. Submission of EMD, Tender fee and other documents for verification in <b>Person / Regd.Post.A.D. / Speed Post / Courier only.</b>	04-02-2021 upto 18:00 Hours
5. Opening of Technical Bid	04-02-2021 18.00 Hours
6. Verification of submitted documents (EMD, e - Tender fee, etc.)	05-02-2021 12:00 Hours onwards
7. Agency to remain present with original documents for verification	05-02-2021 between 16:00 to 18:00 Hours
8. Opening of Price Bid (For Technically qualified bidders only)	06-02-2021 at 11:00 Hours
9. Bid Validity	180 Days



**JANUARY-2021**

**ADDL. CITY ENGINEER  
 RAJKOT MUNICIPAL CORPORATION  
 DR.AMBEKDAR BHAVAN BHAVAN  
 CENTRAL ZONE, DHEBARBHAI ROAD,  
 RAJKOT - 360 001**

RAJKOT MUNICIPAL CORPORATION

REVISED BID DOCUMENT FOR

**Construction of Santoshinagar Main Road in Ward No.3**

PART-I

Invitation to Bid, Instructions to Bidders and Formats.  
General Conditions of Contract

PART-II

Technical Specifications  
Schedule of Drawings  
Bill of Quantities ( With Price )

# ABBREVIATIONS

Statement showing the details of abbreviations.

Full Form	Abbreviation
Addl. City Engineer	ACE
Operation and Maintenance	O&M
Net Present Value	NPV
Engineering Procurement and Construction	EPC
Gujarat Electricity Board	GEB
Critical Path Method	CPM
Reinforced Cement Concrete	RCC
High Ground Level Reservoir	HGLR
Kilometer	KM
Mild Steel	MS
Bureau of Indian Standard	BIS
American Water Works Association	AWWA
American Petroleum Industries	API
Million Liter per Day	MLD
High Yield Strength Deformed bar	HYSD
Corrosion Resistance Steel	CRS
Ordinary Portland Cement	OPC
American Standard for Testing of Material	ASTM
Flux Compensated Magnetic Amplifier	FCMA
Cost Insurance and freight	CIF
Free On Board	FOB
EX – Works	EXW

## I N D E X

Sr No	Particulars
1	Invitation to Bid
2	Instruction to Bidders
3	Formats
4	General Conditions of Contract
5	Technical specifications
6	Schedule of Drawings
7	Bill of Quantities

**RAJKOT MUNICIPAL CORPORATION**  
**e-Tender Notice**

Rajkot Municipal Corporation, Construction Branch, Dr.Ambedkar Bhavan, Central Zone, Dhebar Road, Rajkot-360001, invites e-Tenders **WITH STAR RATE** and two bid system by e-Tendering from the contractors registered in GWS&SB or State Government or Semi-Government or Central Government in appropriate Class and Special Category-I Road for the below mentioned works:

Sr No	Name of work	A) Estimated cost B) EMD as per C) E-TENDER fee D) Time limit for completion of work E) Class of Registration
1	Construction of 30. 00 MT DP ROAD from RMC-RUDA BOUNDARY to morbi bye pass road Connecting AIIMS hospital Note: This tender work shall have to be carried out with Batch Mix Plant	A) Rs.13,69,34,000/- C) Rs.13,69,340/- D) Rs.23,500/- E) 12 Months F) Class-'AA' & Above
Milestone dates for e-tendering is as under		
1. Downloading of e-documents	13-01-2021 to 02-02-2021 18:00 hrs	
2. Pre-bid meeting in the O/o Addl.City Engineer at <b>Central Zone</b>	19-01-2021 17:00 hrs	
3. Last date for online submission of e - Tender	02-02-2021 upto 18:00 Hours	
4. Submission of EMD, Tender fee and other documents for verification in <b>Person / Regd.Post.A.D. / Speed Post / Courier only.</b>	04-02-2021 upto18:00 Hours	
5. Opening of Technical Bid	04-02-2021 18.00 Hours	
6. Verification of submitted documents (EMD, e - Tender fee, etc.)	05-02-2021 12:00 Hours onwards	
7. Agency to remain present with original documents for verification	05-02-2021 between 16:00 to 18:00 Hours	
8. Opening of Price Bid (For Technically qualified bidders only)	06-02-2021 at 11:00 Hours	
9. Bid Validity	180 Days	

- All bidders must submit Bid security (EMD) as above either directly deposited in ICICI Bank Account No.015305010638 (Rajkot Municipal Corporation) IFSC Code ICIC0000153 or submit at the below mentioned address in form of Demand Draft in favour of "Rajkot Municipal Corporation", Rajkot, from any Nationalized Bank or Scheduled Bank (except Co-operative Bank) in India. The receipt of professional tax paid for current year, address proof, tender appendix details and ID proof shall have to be submitted along with physical submission of required documents shall have to be done at the below mentioned address:

**Addl. City Engineer**  
**Rajkot Municipal Corporation,**  
**Construction Branch, Central Zone,**  
**Dr.Amedkar Bhavan,**  
**Dhebar Road,**  
**Rajkot-360001**

- The e-tender fee will be accepted only in form of Demand Draft in favor of "Rajkot Municipal Corporation" Rajkot, payable at Rajkot from any Nationalized Bank or Scheduled Bank (except Co-operative Bank) in India and must be delivered to above address.
- Joint Venture is not permitted for this tender.

4. The pre-qualification requirement is as under:

**i) Financial Criteria:**

1. An average annual turnover of last seven years should not be less than 50% of tender amount of **Rs.13,69,34,000/-** (Rupees Thirteen Crore sixty nine lacs thirty four thousand only)
2. Working capital should not be less than 25% of the estimated amount.
3. Solvency should not be less than Rs.300.00 Lacs

**ii) Experience Criteria:**

The bidder should possess following minimum experience

1. Bidder should have completed at least one work of similar nature of **60%** amount or two works of **40% each** or three works of **30% each** of tender amount of either Government or Semi-Government or Government Autonomous Body as a main contractor in period of last seven years.

**Defination of similar work is as given below:**

**NEW ROADS / FOUR LANING / 6 LANING:**

- a) New road construction work (minimum carriage way width not less than 3.5 mt.) involving items of WBM / WMM and paver laid asphalt work  
OR
  - b) Any work of widening of carriage way upto 10.00 mt. involving items of WBM and WMM Plus asphalt work done by paver.  
OR
  - c) Any work of carriage way widening involving addition of carriage way by 3.00 mt.
2. Bidder should have enough machinery and experienced personnel to supervise the work.

Sr. No.	Year	Enhance Factor
1	Year of inviting tender (eg. 2020-21)	1.00
2	-1 (2019-20)	1.10
3	-2 (2018-19)	1.21
4	-3 (2017-18)	1.33
5	-4 (2016-17)	1.46
6	-5 (2015-16)	1.61
7	-6 (2014-15)	1.77
8	-7 (2013-14)	1.95

**Note:**

1. Enhancement factor at 10% per year for last seven years will be applicable to arrive average annual turnover and finalize the magnitude of work done in last seven years.
  - 2.
  3. For Financial and Experience criteria, the estimated cost of **Rs.13,69,34,000/-** (Rupees Thirteen Crore sixty nine lacs thirty four thousand only) is to be considered.
5. The bidder is bound to execute the 10% of extra work of amount of estimated cost i.e. The estimated cost of work is **Rs.13,69,34,000/-** (Rupees Thirteen Crore sixty nine lacs thirty four thousand only), of which, the work of 10% of amount of **Rs.13,69,34,000/-** (Rupees Thirteen Crore sixty nine lacs thirty four thousand only) will be required to be carried out and executed as may be required by the competent authority.

6. **The bidder(s) submitting the tender shall also have to submit the copy of ESIC & EPF Registration document along with the other documents, duly self attested, failing which, the tender of such bidder(s) will be considered as non-responsive and their online price bid will not be opened.**
7. The contractor shall have to quote their rates including GST and other taxes and the Invoice with break-up of GST is to be submitted accordingly, failing which, such amount will be deducted from the bill of the agency and deposited accordingly. The contractor shall have to purchase the material required for this tender work, only from the supplier having registered GST Number. RMC will not be responsible to pay any amount towards GST if the material is purchased from the unregistered supplier / not having GST Number.  
  
**In case of any increase or decrease, in future, in the GST slab by the Government, then only, the difference  $\pm$  amount shall be recovered / paid, from the effective date.**
8. **The bidder should not have been Black Listed / Terminated / Debarred by Government of India / Government of Gujarat or any State Board / Corporations, since inception of the firm / Company. A Declaration in this regard on Rs.300/- Stamp Paper duly Notarized, shall have to be submitted as per Annexure, along with the tender documents.**
9. The bidder should provide accurate information on any litigation history or arbitration resulting from contracts completed or under execution by him over the last ten years. This should also include such cases, which are in process / progress. A consistent history of awards against the bidder may result in failure of the bid. In case the bidder has not provided such information and has come to the notice of the authority, the tender will be rejected at what so ever stage and in such case all the losses that will arise out of this issue will be recovered from the tenderer / bidder and he will not have any defense for the same.
10. After opening of Technical Bid, the procedure for the pre-qualification shall be adopted and the Price Bid of only successful qualified bidder shall be opened for final evaluation of the contract. The decision of Municipal Commissioner regarding the pre-qualification shall be final and binding to all the bidders.
11. The Tender of those bidder(s) those who fails to submit the required documents physically within the stipulated date and time, will be treated as non responsive and their Price Bid will not be opened. The physical submission of required documents received after the prescribed date and time will be out rightly rejected.
12. Conditional Tenders will be out rightly rejected.
13. Rajkot Municipal Corporation, Rajkot, reserves the right to accept / reject any or all e-tender(s) without assigning any reasons thereof.

Commissioner  
Rajkot Municipal Corporation

<b>Check List for submission of Documents Tab</b>	
Tender Fee submitted as per Tender	Yes / No
Tender Earnest Money Deposit submitted as per Tender	Yes / No
Registration documents submitted as per tender requirement	Yes / No
<b>Financial Details:</b>	
Turnover details submitted as per requirement	Yes / No
Working Capital as per requirement of tender is submitted	Yes / No
Valid Bank Solvency submitted	Yes / No
Validity of Bank Solvency	Date:
<b>Experience Details:</b>	
Details of Technical Staff and details of machineries submitted	Yes / No
Address proof submitted	Yes / No
Identity proof submitted	Yes / No
Fresh Declaration on Non-Judicial Stamp Paper regarding not black listed or Terminated or Debarred, is submitted	Yes / No
Professional Tax Receipt of current year	Yes / No

**Note:**

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

Signature of contractor with seal



# **INSTRUCTIONS TO BIDDERS**

## **INSTRUCTIONS TO TENDERER**

### **IT 1. GENERAL**

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

### **IT 2. INVITATION TO E-TENDER**

The Rajkot Municipal Corporation hereinafter referred as the Corporation will receive e-Tenders for the work of as per the specifications and schedule of prices in the e-Tender document. The e-Tenders shall be opened online as specified in the e-Tender notice in the presence of interested Tenderers or their representatives. The Corporation reserves the right to reject the lowest or any other or all e-Tenders or part of it which in the opinion of the Corporation does not appear to be in its best interest, and the Tenderer shall have no cause of action or claim against the Corporation or its officers, employees, successors or assignees for rejection of his e-Tender.

### **IT 3. LANGUAGE OF e-TENDER**

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

### **IT 4. QUALIFICATIONS OF TENDERERS**

- A. The Tenderers shall abide by the laws of the Union of India and of Gujarat State and legal jurisdiction of the place where the works are located.
- B. The Tenderer shall furnish a written statement of financial and technical parameters with details and documents along with his e-Tender which contains namely as below:
  - i. The Tenderer's experience in the fields relevant to this contract.
  - ii. The Tenderer's financial capacity/resources and standing over at least 7 (seven) years.
  - iii. The Tenderer's present commitments (Jobs on hand).
  - iv. The Tenderer's capability and qualifications of himself and his regular staff etc.
  - v. Plants and Machinery available with the Tenderer for the work e-Tendered.

### **IT 5. e-TENDER DOCUMENTS**

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

### **IT 6. EXAMINATION BY TENDERERS**

A. At this own expense and prior to submitting his e-Tender, each Tenderer shall (a) examine the Contract Documents, (b) visit the site and determine local conditions which may affect the work including the prevailing wages and other pertinent cost factors, (c) familiarize, himself with all central, state and local laws, ordinance, rules regulations and codes affecting the material supply including the cost of permits and licenses required for the work and (d) correlate his observations, investigations, and determinations with the requirements of the e-TENDER Documents, site & subsoil investigation.

B. The e-Tender is invited on **..%. rate** and contractor shall have to quote his price on % bases **euqal / above / below in the schedule-B./ Price Schedule**. The works shall have to be completed in all respect as stated in the e-Tender document to the satisfaction of the Corporation.

**C. The following comprises in Contract Documents at a price of Rs.23,500/-.**

e-TENDER Document:  
 Notice inviting Tenderers.  
 E-TENDER declaration form  
 Check list.  
 Instructions to the Tenderer.  
 Formats  
 General conditions of contract  
 Technical specifications  
 Bid Form (With Price )  
 Preamble to Price schedule  
 Price Schedule (Schedule-B)

D. Copy of the E-TENDER Document should be completed, checked in a responsible manner, digitally signed, and submitted. Security Bond shall be submitted in person by the stipulate date, which shall form the e-Tender.

The e-Tender is required to complete with all the pages in which entries are required to be made by the Tenderer are contained in the e-Tender documents and the Tenderer shall not take out or add to or amend the text of any of the documents except in so far as may be necessary to comply with any addenda issued pursuant to Clause IT. 19 hereof.

**IT 7. EARNEST MONEY DEPOSIT:**

**A. Each Tenderer must submit a receipt of deposit as Tender guarantee towards Earnest money amounting to Rs.13,69,340/-in the form of crossed Demand Draft in favor of "Rajkot Municipal Corporation", from any Nationlized Bank or Scheduled bank (except Co-operative Bank) in India acceptable to owner payable at Rajkot. The Tender Bond, shall be valid for a period of not less than hundred and eighty (180) days from the date the e-Tenders are opened and shall comply with the requirements for Bond as stipulated in the General conditions of contract. The Tender guarantee bond will be held by the owner as a guarantee that the Tenderer, if awarded the contract, will enter into the contract agreement in good faith and furnish the required bonds. Any e-Tender not accompanied by a Tender guarantee in the form of earnest money deposited for the sum stipulated in the e-Tender Document will be summarily rejected.**

B. The Earnest Money Deposit will be refunded to the unsuccessful Tenderers after an award has been finalized.

C. The Earnest Money Deposit (Tender Guarantee) will be forfeited in the event, the successful Tenderer fails to accept the contract and fails to submit the "Performance Guarantee Bonds to the Owner as stipulated in this e-Tender documents within ten days. (10) days after receipt of notice of award of contract.

D. The Earnest Money Deposit of the successful Tenderer shall be returned after the performance guarantee bond, as required, is furnished by the contractor.

E. Within 10 (ten) days from the date of issue of the letter accepting his tender, the successful Bidder shall furnish the required Security Deposit for performance and plus additional security if any for unbalanced bids in accordance with the condition of the contract and attend the office of the Engineer In-charge for execution of the contract documents. If he fails to furnish the Security Deposit for performance or enter into an agreement to execute the contract for the work offered to him, his Earnest Money Deposit will be forfeited and the Bidder will be Black Listed / Debarred

from tendering for further works of Rajkot Municipal Corporation for the period of three years.

F. No interest shall be paid by the owner on any e-Tender guarantee.

**IT 8. INCOME TAX CLEARANCE CERTIFICATE : (DELETED) :**

Latest Income Tax clearance Certificates must accompany with the e-Tender without which the e-Tender is liable to be summarily rejected. The Income Tax Clearance Certificate obtained from the Income Tax Officer shall clearly indicate the Income Tax Pan No/Circle/Ward, District and the reference number of the assessment along with the assessment year.

**IT 9. PREPARATION OF E-TENDER DOCUMENTS**

Tenderers are required to note the following while preparing the E-TENDER Documents:

A. E-TENDER shall be submitted on the E-TENDER form bound here in English. All statements shall be properly filled in. Numbers shall be stated both in words and in figures where so indicated.

B. All entries or prices and arithmetic shall be checked before submission of the E-TENDERS. If there is discrepancy between the rates quoted in figures and in words, the rates expressed in words shall be considered as binding.

C. Each e-Tender shall be accompanied by the prescribed e-Tender security bond and other required documents and drawings. All witnesses and sureties shall be persons of status and probity and their full names, occupations and addresses shall be stated below their signature.

D. Variation to the contract Documents requested by the Tenderer may be affixed and duly signed and stamped. Such variations may be approved or refused by the Corporation is not obliged to give reason for his decisions.

**IT 10. SUBMISSION OF E-TENDER DOCUMENTS**

Tenderers are requested to submit the E-TENDER Documents on following lines.

A. Volume containing following documents :

- I. E-TENDER security bond ( Earnest Money )
- II. Certificates as registered contractor with Government of Gujarat or appropriate authority.
- III. Tenderer 's financial capability and standing over at least past seven years
- IV. Current Income Tax clearance certificate.(DELETED)
- V. Tenderer's experience in the field relevant to this contract.
- VI. A list of the equipment the Tenderer possesses and that which he proposed to acquire and use for the purpose related to the work.
- VII. Tenderer should submit All the drawings which they have received along with e-Tenders

The time limit for receipt of e-Tender shall strictly apply in all cases. The Tenderers should therefore ensure that their e-Tender is received by the competent authority **The Rajkot Municipal Corporation** at the required place before expiry of the time limit. No delay on account of any cause for receipt of e-Tender shall be entertained.

The e-Tender must contain the name address and residence and place of business of the person or persons submitting the e-Tender and must be digitally signed.

E-TENDERS by partnership firm must be furnished with the full names and addresses of all partners and be signed by one of the members of the partnership or by a legally

authorized representative holding power of attorney followed by signature and designation of the person of person signing.

E-TENDERS by corporations/companies must be signed with the legal name of the Corporation/Companies by the president/or by the secretary or other person or persons legally authorized to bind the Corporation/Company in the matter.

#### **IT 11 TENDER VALIDITY PERIOD**

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

#### **IT 12 GENERAL PERFORMANCE DATA**

Tenderers shall present all the information which sought for in the e-Tender document in form of various schedules if given. E-TENDERS may not be considered if left blank or the schedules are not properly filled in.

#### **IT 13 SIGNING OF E-TENDER DOCUMENTS**

If the e-Tender is made by an individual it shall be signed with his full name above his current address. If the e-Tender is made by a proprietary firm, it shall be signed by the proprietor above his name and the name of his firm with his current address.

If the e-Tender is made by a firm in partnership, it shall be signed by all the partners of the firm above their full names and current address, or by a partner holding the power of attorney for the firm, in which case a certified copy of the power of attorney shall accompany the E-TENDER. A certified copy of the partnership deed, current addresses of all the partners of the firm shall also accompany the e-Tender.

If the e-Tender is made by a limited company or a limited corporation, it shall be signed by a duly authorized person holding the power of attorney, shall accompany the e-Tender. Such limited company or corporation may be required to furnish satisfactory evidence of its existence before the contract is awarded.

If the E-TENDER is made by a group of firms, the sponsoring firm shall submit complete information pertaining to each firms in the group and state along with the bid as to which of the firms shall have the responsibility for e-Tendering and for completion of the contract documents and furnish evidence admissible in law in respect of the authority to such firms on behalf of the group of firms for e-Tendering and for completion of contract documents. The full information and satisfactory evidence pertaining to the participation of each member of the group of firms in the e-Tender shall be furnished along with the e-Tender.

All witnesses and sureties shall be persons of status and probity and their full names, occupations and addresses shall be stated below their signatures. All the signatures in the e-Tender document shall be dated.

#### **IT 14 WITHDRAWAL OF TENDERS**

If, during the tender validity period, the Tenderer withdraws his Tender, Tender security (Earnest Money) shall be forfeited and Tenderer will be debarred for next three years to quote in R.M.C.

#### **IT 15 INTERPRETATIONS OF E-TENDER DOCUMENTS**

Tenderers shall carefully examine the E-TENDER Document and fully inform themselves as to all the conditions and matters which may in any way affect the work or the cost thereof. If a Tenderer finds discrepancies, or omission from the specifications or other documents

or should be in doubt as to their meaning, he should at once address query to the Addl. City Engineer, R.M.C. The result of interpretation of the E-TENDER will be issued to all Tenderers as addendum.

#### **IT 16 ERRORS AND DISCREPANCIES IN E-TENDERS**

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

#### **IT 17 MODIFICATION OF DOCUMENTS**

Modification of specifications and extension of the closing date of the e-Tender, if required will be made by an addendum. Each addendum will be made available online to all Tenderers. These shall form a part of e-Tender. The Tenderer shall not add to or amend the text of any of the documents except in so far as may be necessary to comply with any addendum.

#### **ADDENDA**

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

A. The Owner may issue Addenda to advise Tenderers of changed requirements. Such addenda may modify previously issued Addenda.

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

#### **IT 18. TAX AND DUTIES ON MATERIALS**

All charge on account of excise duties, Central / State, sales tax, work contract tax and other duties etc. on materials obtained for the works from any source shall be borne by the contractors. No (P) or 'C' or 'D' form shall be supplied.

#### **IT 19 EVALUATION OF E-TENDERS**

While comparing e-Tenders, the Rajkot Municipal Corporation shall consider factors like price offer is workable with the market price, efficiency and reliability of construction method proposed, compliance with the specifications, relative quality, work done in past with Rajkot Municipal Corporation or other Government Organizations, litigation issues etc. Evaluation criteria specifically mentioned in the specification will also be taken into consideration in the evaluation of e-Tenders.

#### **IT 20 TIME REQUIRED FOR COMPLETION**

The completion period mentioned in this schedule is to be reckoned from the date of notice to proceed. Total completion period is as shown in tender notice, from the date of issue of notice to proceed and contractor should adhere to this completion time. Monsoon period from 15th June to 14th September will be considered as non-working period and hence excluded in time limit.

#### **IT 21 POLICY FOR TENDER UNDER CONSIDERATION**

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

While e-Tenders are under consideration, Tenderers and their representative or other interested parties are advised to refrain from contacting by any means any corporations personnel or representatives on matters related to the e-Tenders under study. The Corporation's representatives if necessary will obtain clarification on e-Tenders by requesting such information from any or all the Tenderers, either in writing or through personal contact, as may be necessary. The Tenderer will not be permitted to change the substance of his e-Tender after e-Tenders have been opened. This includes any post Tender price revision. Non-compliance with this provision shall make the Tender liable for rejection.

## **IT 22 PRICES AND PAYMENTS**

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

## **IT 23 PAYMENT TERMS**

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

## **IT 24 AWARD**

Award of the contract or the rejection or E-TENDERS will be made during the Tender validity period. A separate Schedule-B (Price Schedule) is given. The contractors are requested to quote their price offer **in % below or above on the given price in the schedule-B only.**

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

If the Tenderer receiving the Notice of Award fails or refuses to execute the Contract Agreement within the stated time limit or fails or refuses to furnish the Bond as required herein. The Owner may annul his award and declare the e-Tender security forfeited and will take action as deemed fit.

A corporation, partnership firm or other consortium acting as the Tenderer and receiving the award shall furnish evidence of its existence and evidence that the officer signing the contract agreement and Bonds for the corporation, partnership firm or other consortium acting as the Tenderer is duly authorized to do so.

## **IT 25 SIGNING OF CONTRACT**

The successful Tenderer shall be required to execute the contract agreement within 10 days of receipt of intimation to execute the contract, failing which the Corporation will be entitled annul to the award and forfeit the Earnest Money Deposit. The person to sign the contract document shall be person as detailed in Article IT. 13 (signing of e-Tender documents).

## **IT 26 DISQUALIFICATION**

A e-Tender shall be disqualified and will not be taken for consideration if,  
The Tender Security Deposit is not deposited in full and in the manner as specified as per Article IT. 7 i.e. Earnest Money Deposit.

The e-Tender is in a language other than English or does not contain its English Translation in case of other language adopted for e-Tender preparation.

The e-Tender documents are not signed by an authorized person (as per Article IT. 13 i.e. signing of e-Tender documents).

The general performance data for qualification is not submitted fully (as per Article IT 12 i.e. General performance Data).

Tenderer does not agree to payment terms defined as per Article IT. 23 i.e. payment terms.

A. A e-Tender may further be disqualified if,

- (a) Price variation is proposed by the Tenderer on any principle other than those provided in the E-TENDER Documents.
- (b) Completion schedule offered is not consistent with the completion schedule defined and specified in e-Tender document.
- (c) The validity of e-Tender is less than that mentioned in Article IT. 11 i.e. e-Tender validity period.
- (d) Any of the page or pages of e-Tender is/are removed or replaced.
- (e) Any condition which effect the cost.

#### **IT 27 PERFORMANCE GUARANTEE (SECURITY DEPOSIT)**

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

A fixed deposit receipt of any Nationalized Bank or Schedule Bank except Co-operative Bank or Nationalized Bank duly endorsed in favour of the **Rajkot Municipal Corporation, Rajkot.**

The performance guarantee shall be delivered to the Corporation within ten (10) days of the notice of award and at least three (3) days before the contract agreement is signed unless otherwise specified by the Engineer-in-charge. Alternatively, the contractor may at his option deposit an amount of **2.5%** of the value of the contract price within ten days and the balance **2.5%** to be recovered in installments through deduction @ the rate of 10% from the running account bills.

On due performance and completion of the contract in all respects, THE PERFORMANCE GUARANTEE WILL BE RETURNED TO THE CONTRACTOR WITHOUT ANY INTEREST AFTER THE **LAST WORK'S** DEFECT LIABILITY PERIOD IS OVER.

#### **IT 28 STAMP DUTY**

The successful Tenderer shall have to enter into an agreement on a non-judicial stamp paper of amount as per Stamp duty Act in the form of the agreement approved by the Corporation. The cost of stamp paper and adhesive stamp shall be born by the contractor.

#### **IT 29 BRAND NAMES**

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

The material must be approved product in authorized current list. Agency should also provide original certificate in favour of RMC for the despatch of material and authentic despatch certification.

#### **IT 30 NON TRANSFERABLE**

E-TENDER documents are not transferable.

#### **IT 31 COST OF e-TENDERING**

The owner will not defray expense incurred by Tenderers in e-Tendering.

#### **IT 32 EFFECT OF e-TENDER**

The e-Tender for the work shall remain for a period of 120 calendar days from the date of opening of the e-Tenders for this work and that the Tenderer shall not be allowed to withdraw or modify the offer in his own during the period. If any Tenderer withdraws or makes any modification or additions in the terms and conditions of his own e-Tender, then the Corporation shall, without prejudice to any other right or remedy, be at liberty to reject the e-Tender and forfeit the earnest money in full.



**IT 33 CHANGE IN QUANTITY**

The Corporation reserves the right to waive any information in any e-Tender and to reject one or all e-Tenders without assigning any reasons for such rejection and also to vary the quantities of items or group as specified in the scheduled of prices as may be necessary.

**IT 34 NEW EQUIPMENT AND MATERIAL**

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

**IT 35 RIGHTS RESERVED**

The owner reserves the right to reject any or all e-Tenders, to waive any informality or irregularity in any e-Tender without assigning any reason. The owner further reserves the right to withhold issuance of the notice to proceed, even after execution of the contract agreement. No payment will be made to the successful Tenderer on account of such withholding. The owner is not obliged to give reasons for any such action.

**IT 36 ADDITIONAL RIGHTS RESERVED**

The Commissioner, Rajkot Municipal Corporation, reserves right to reduce the scope of work & split the e-Tender on two or more parts without assigning any reason even after the awards of contract.

**IT 37 MOBILIZATION ADVANCE**

No mobilization advance or advance on machinery will be given.

**IT 38 CONDITIONAL e-TENDERS**

The scope of work is clearly mentioned in the e-Tender documents. The contractor shall have to carry out the work in accordance with the details specifications. No condition will be accepted. The conditional e-Tender will liable to be rejected.

**IT 39 1% CESS & REGISTRATION:**

For the welfare of labour working under construction Industry, the agency shall have to take the registration with competent authority as per Circular No.CWA/2004/841/M-3 dated 30-01-2006 of Government of Gujarat. Rajkot Municipal Corporation will deduct 1% Cess of the value of work and will deposit the same in Government.

**IT 40 PROFESSIONAL TAX**

The bidder shall have to pay the Professional Tax for current financial year imposed by Government of Gujarat, and also the bidder shall have to produce Enrollment Certificate for the same.

Asst.Engineer  
Rajkot Muni. Corporation

Dy.Ex.Engineer  
Rajkot Muni. Corporation

Addl. City Engineer  
Rajkot Muni. Corporation

Signature of Tenderer.

**Rajkot Municipal Corporation**  
**Additional Instructions to persons tendering**

**1. EXAMINATION OF LOCATION:-**

Statement as to the conditions under which the work is to be performed including surveys, measurements, dimensions calculations, estimates, etc. are made solely to furnish a basis of completion of tenders and the Rajkot Municipal Corporation does not guarantee or represent that, they are given approximately correct. The contractor shall satisfy himself by his own inquiry, investigation and search regarding all materials effecting the work to be done and labour and materials needed and shall make himself reliance thereon.

2. The work including in this contract, shall be carried out in accordance with the specifications, rules and regulations as laid down in the books mentioned below in order of the property.

The employer Hand Book Volume I & II, 1949 Edition. If the reference books quoted above fall short for the items quoted in the schedule of this contract, reference shall be made to Indian Standard Specifications of the latest. Edition. If any of the items of this contract are not covered by the reference books quoted above decision and specifications as directed by the Addl. City Engineer, RMC shall be final. This shall depend on the standard specifications followed the items concerned.

**3. PROGRAMME:**

**The Engineer In-Charge may at any time give direction as to in order and manner in which the several parts of the work shall be carried out and the contractor shall strictly observe such directions.**

**4. RETURNS:-**

The Contractor shall furnish to the Engineer in charge every week during the progress of the work classified weekly returns.

**5. PROCUREMENT OF PETROLIUM PRODUCTS:-**

**The contractor shall submit monthly, the purchase bills for bitumen, LDO and HSD.**

The contractor shall submit the monthly returns in the prescribed forms as to the receipts and actual use of the bitumen, LDO and HSD during the month to the Engineer in charge close of every calander month.

**6. PERMIT & LICENCE :-**

The contractor shall procure his sole expenses all permits and license and pay all charges and fees for lawful execution of the work.

**7. TEMPORARY QUARTERS:-**

The contractor will be required to make his own arrangement for the housing of his staff required as per statutory provision.

8. Conditions regarding medical and sanitary arrangement to be provided by the contractor as per statutory provision.

**9. SUB-LETTING OF WORK.**

The Contractor will not be permitted to sublet any of the work.

10. EMPLOYMENT OF RESIDENT ENGINEER :-

The contractor shall employ skilled and fully experienced, qualified engineer for carrying out the work. Before employing a skilled and experienced Resident Engineer, the contractor shall obtain the previous permission and approval of the Engineer in charge for making such appointment as to the suitability and eligibility of the Resident Engineer. The Resident Engineer shall be considered at any time to be acting for the contractor with full responsibility in every respect. While submitting such proposal, the qualifications and experience of the persons shall be fully listed. It must be seen that person with proven and sufficient experience shall be preferred.

11. CO-ORDINATION OF SPECIFICATION, PLANT AND SPECIAL PROVISIONS:-

The Standard specifications, the plants, the special provisions and all supplementary documents are essential parts of the contract and requirement occurring in one shall be binding as though in occurring in all. They shall be intended to be co-operative to describe and provide for a complete work. In case of disagreement the plant shall have precedence over the standard specifications. Figures, dimensions shall be given over scale dimension. In any case such variation shall be decided by the Engineer in charge.

12. INSPECTION OF WORK AND MATERIALS:-

- (i) For Resident Engineer, Agent and employees of the contractor, contractor shall provide proper facilities.
- (ii) The inspection of the work shall not relieve the contractor from his obligation to fulfill the terms of the contract as herein prescribed by the plans and specification.
- (iii) The contractor shall furnish written information to the Engineer in charge stating the original sources of supply and dates of manufacturing of all materials brought or manufactured away from the actual site of the work.
- (iv) The contractor shall furnish the Engineer in charge with every reasonable facility as assistance for ascertaining whether or not the work performed is in accordance with the requirements and instructions of the plans and estimates and specification, if so, directed, the contractor any times before and after considered. Necessary for fresh inspection at his own cost. After the inspection, the contractor shall restore the said portion of the work to the conditions required by the specifications at his own cost.
- (v) In order to ensure a proper time sequence for required inspection and approval, this information shall be furnished at least two weeks before or otherwise as directed by the Engineer in charge in advance of the use of incorporation in the work of any such materials and this shall be given in writing by the contractor.
- (vi) Failure to reject any defective work of materials, any time will not in any way, prevent later rejection when such defect is discovered or observed.

13. The contractor shall obtain from employer stations of the place or places, where it is permitted for him to deposit the materials excavated. the contractor shall accept the site as he finds it, and any work that may be necessary to carry out, the contractor shall be provided for in his contract price.

14. The contractor shall be responsible for the true and proper setting out of the works and or the correctness of the positions, levels, dimensions, and alignments of all parts of the works and for the provisions of all necessary instruments appliances and labour in connection therewith. If any time, during the progress of the works any error shall appear or arised in the positions, levels, dimensions or alignment or any part of the works. The contractor shall at his own expenses, rectify such errors is based on the correct date supplied in writing by Engineer in charge in which case the expense of rectifying the same shall be borne by the RMC. The checking or any setting out or any line or level by the engineer in charge or his representative shall not in any way, relieve the contractor of his responsibilities for the correctness thereof. The contractor shall carefully protect and procure bench marks, site, nails, pegs and other thing used in setting out work.
15. As order book shall be provided and maintained by the contractor for the work and the contractor shall sign the orders given by the department and shall carry them out. Work order book is the property of the RMC. and shall remaining the custody of RMC. That is supervisory staff on duty. Compliance shall be carried out promptly and reported to the Engineer in charge in good time so that work can be checked.
16. EXTRA- ITEM RATE LIST :-  
In case of the extra items, the contractor shall invariably supply the rate analysis based on the labour, materials, required in the items along with his quotations for the items. The rate of extra items shall be decided by the competent authority of the department. The final decision of the competent authority of the employer regarding rates, specifications etc. shall be binding upon the contractor. The decision of competent authority shall be final
17. As petty items occurring in the work and as found necessary actual execution shall be carried out in general as per general specification current in division and as per orders of the Engineer in charge from time to time.
18. It shall be distinctly and clearly understood that commodity of the contract and specifications on the ground of custom prevailing is not be allowed. Extra charges of claims in respect of the extra works will not be allowed unless the work to which they related is clearly beyond the sprit and meaning of the specifications or unless such work are ordered of the specified manner before the work is taken in hand, in writing by the Engineer in charge.
19. **The contractor shall provide all labour and pegs, levelling machinery, strings and other materials as required for lining and measuring all the work without any payment from the Government.**
20. The dimensions, figures and drawing etc. shall be followed as supplied by the Engineer in-charge or as directed to generate by taking levels from time to time. No claims or dispute from contractor shall be entertained due to charge in plans or detailed drawings.

21. The contractor shall provide suitable stones with flat top and temporary bench mark, page, required for lining out and fixing the necessary levels without any extra cost. If required such stones may be build in masonry at such places and in such manner as the Engineer in charge or his Assistant in charge of the work determines.
22. All purpose connected with work, the contractor are required to make their own arrangements for a sufficient supply of water of quality and quantity and at such places on the work as may be order by the Engineer in charge. The rate quoted in the contract are for completed work and shall cover all the contractor's cost in supplying water to the terms stipulated in the clause of this contract. Incase the contractor was to make use of plots, adjacent to work site, for stacking material etc. they have to approach owners of these plots or such other authority and make their own arrangements. The Engineer in charge will not be held responsible for any complaints on such cases from anybody.
23. Every spot on the work and site shall be kept clear of accumulation of debris from time to time.
24. All the materials to be used in the work may from time to time subject to test as per relevant IS or directed by the Engineer in charge at the expenses of the Contractor.
25. Notwithstanding that, all proper precautions may have been taken by the contractor during the progress of the work, the contractor shall be held responsible for all damages, whether to the work under execution or to any property or the persons during the progress of work and the period of maintenance.
- 26. After the completion of the work, the site shall be handedover to the Engineer-in-charge of work, in neat and clean conditions after removing all the rubbish from site campus. Also, dressing upto the new road paver top level, shall have to be done on all the side shoulders either by removing / excavating soil or placing soil if required for road top level. No extra payment or measurement will be given for this side shoulders soil lifting / leveling by providing required additional soil.**
27. The contractor shall as far as possible employ the labour work giving priority to the labour resides locally.

Asst.Engineer  
Rajkot Muni. Corporation

Dy.Ex.Engineer  
Rajkot Muni. Corporation

Addl. City Engineer  
Rajkot Muni. Corporation

Signature of Contractor:

# FORMATS

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

(On Non-Judicial stamp paper of Rs.300/-)

## **DECLARATION**

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

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

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

Date

Seal & Signature of Bidder

### **APPLICABILITY OF PROVIDENT FUND AND MISCELLANEOUS PROVISIONS ACT 1952**

Successful bidder i.e. the agency whose tender is accepted by the RMC shall have to comply the necessary formalities under the employees provident fund and Miscellaneous Provisions Act, 1952 as Contributory Provident Fund Scheme is applicable to labourers engaged in construction activity and shall have to submit proofs regarding deduction of provident fund and other dues and depositing the same with government department under the act and the scheme regularly on monthly basis failing which no running / final bill payment will be made by the RMC to the contractor in any circumstances.

**A certificate to the above effect has to be given by the contractor as under.**

### **Declaration Of Depositing Provident Fund contribution**

This to certify that we have deducted the employees 'P.F. and deposited the same along with employer's contribution towards provident fund on labour charges / wages paid by us to the labourer engaged for the work of \_\_\_\_\_ with Provident Fund Authority under our Provident Fund Code No. \_\_\_\_\_

We produce herewith the copies of the challans for the provident fund deduction and contribution deposited as mentioned above.

**Date:**

**Seal and Signature of the Bidder**



## BIDDER'S FINANCIAL CAPACITY

Sr. No.	Financial Year	Annual Turnover in Engineering Project Rs.	Networth Rs.	Net Cash Rs.	Working Capital Rs.
1	2019-2020				
2	2018-2019				
3	2017-2018				
4	2016-2017				
5	2015-2016				
6	2014-2015				
7	2013-2014				

**Note:-**

- 1) *Figures to be taken from audited balance sheets. Duly certified attested true copy*
- 2) *Copies of the balance sheet to be attached..*
- 3) *The bidder shall have to provide that for a period of at least 6 Months the bidder has ability to sustain negative cash balance and how he proposes to meet with the same.*
- 4) *Cash Plan / Cash flow Statement.*

### **AVAILABLE BID CAPACITY**

	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>
Value of works executed in Rs. Crores.							

The available bid capacity will be worked out as follows.

**Available bid capacity =**

**$(A \times N \times 2) - B$ , where**

**A** = Maximum of updated total amount of work executed in any one year of the last seven financial years.

**B** = The amount of the existing commitments and ongoing works to be discharged during time interval of N years from the bid due date.

**N** = Number of years prescribed for completion of the proposed works

## - : DETAILS OF LITIGATION :-

### Name of applicant / or parties

Applicant should provided accurate information on any History of litigation or arbitration resulting from contracts completed or under execution in last five years.

Years	Award for / or against applicant.	Name of client, Cause of litigation & matter of dispute.	Disputed Amount in Rupees.

### NOTE :-

- [1]           The above information shall be supported with necessary documents otherwise the same shall be treated as null & void.
  
- [2]           A consistent history of arbitration awards / judgments against the applicants or any partner of a joint venture may result in disqualification for proposed work.
  
- [3]           If the details of Litigation History is hidden by the applicant and later on it comes to knowledge of the employer the bidder shall be disqualified for the proposed work and other appropriate actions shall be taken against the bidder.

**Signature of Bidder**

## APPENDIX – A

EACH MEMBER OF THE CONSORTIUM SHOULD GIVE ALL THE DETAILS FOR EACH OF THE FOLLOWING APPENDICES.

Sr.No.	Name of the Consortium Member	Role of the Member	Equity Stake in Project.
	DELETED		

Signature of Contractor

## APPENDIX - B

## Financial Resources in ongoing projects

Sr.No	Description of ongoing projects	Total cost of work/contract	Members contribution (%)	Funds required to be contributed.
1	2	3	4	5

DELETED

## APPENDIX - C

## FINANCIAL INFORMATION

Annual Turnover in Rs. Lacs			
Year	<b>Civil Engineering Projects</b>	Other Projects	Total
1	2	3	4



APPENDIX – D  
SIMILAR WORKS COMPLETED AS A MAIN CONTRACTOR IN LAST SEVEN YEARS.

Sr. No	Name of the work	Name & address of client with contact number	Type of work	Quantity	Date of award	Time of completion	Whether Project Under Litigation (Yes / No.) & reasons thereof

Signature of Contractor



APPENDIX – E  
EXPERIENCE IN OTHER PROJECTS AS A MAIN CONTRACTOR

Sr No	Name of work with details of client and contact number	Cost of work in Lacs	Date of award and Time of completion	Whether Project Under Litigation (Yes/No) & reasons thereof

Signature of Contractor

## APPENDIX – F

### WORKS FOR WHICH BIDS ALREADY SUBMITTED

[illegible]

## APPENDIX – G

INFORMATION ON BID CAPACITY (WORK FOR WHICH BIDS HAVE BEEN SUBMITTED AND WORKS WHICH ARE YET TO BE COMPLETED) AS ON THE DATE OF THIS BID (A) EXISTING COMMITMENTS AND ON-GOING WORKS

[illegible]

APPENDIX – H

## EXPERIENCE AS MAIN CONTRACTOR

Project Details including title and location	Contract Cost (Rs.in Lacs)	Contract period (Start date - End date)	<b>Actual cost at the end of contract (Rs. In Lacs)</b>	Actual Contract period (start date - End date)	Name, Address, Phone and Fax No. of the Owner's representative who could be contacted.

Signature of Contractor

**PLANT & EQUIPMENT PROPOSED TO BE DEPLOYED BY THE APPLICANT FOR USE ON THE  
ROAD WORK**

Sr. No.	Name of equipment	Total requirement			Equipment in hand			Equipment to be procured		
		No. of units for the Project	Kind and make	Capacity	No. of each	Year of Manu. & Present condition	Name of owner	No. of each	Capacity	Through purchase / Lease
1	2	3	4	5	6	7	8	9	10	11
1	Tipper Trucks	10								
2	Dozer	2								
3	Front end Loader	2								
4	Smooth Wheeled Roller	2								
5	Vibratory Roller	2								
6	Continuous Batch mix plant (Min. 120 TPH)	1								
7	Paver Finisher with electronic sensor	1								
8	Water Tanker	2								
9	Bitumen Sprayer	1								
10	PTR Roller	1								
11	Concrete Mixture	2								
12	Screed Vibrator / Pin Vibrator	2								
13	Mortar Grader	2								
14	Vacuum Dewatering Machine & Dish Vibrator	1								

- Note :**
- [1] The bidder shall have to assure availability of machinery / equipment in working condition as prescribed
  - [2] Machinery / Equipment ownership as lease / hire agreement for the work under tender shall be considered as valid proof for assured availability.
  - [3] The location of machinery should be furnished in detail i.e. [i] Site of work [ii] Own workshop [iii] Other places.
  - [4] Describe the fabrication and workshop facilities [a] to be set up site [b] to be sub contracted locally.
  - [5] If leased indicate the date when the current lease expires.

**Signature of Bidder**



					2019-20	1.10			B = Present Value	
					Average				Bid Capacity=(2*A*N)-B	
									Attach the Calculation sheet and Mention Figure Here	

To derive B- Present Value Value (present price level by applying enhancement factor) of existing commitments on-going (i.e. Running) works Statement has been attached herewith.

Above all Details are True

Contractor Sign & Seal

Above Financial Details are True

## Application Form(1)

## General Information

All individual firms and each partner of a consortium applying for qualification are requested to complete the information in this form. Nationality information to be provided for all owners or applicants who are partnerships or individually-owned firms.

Where the Applicant proposes to use named subcontractors for critical components of the works, or for work contents in excess of 10 percent of the value of the whole works the following information should also be supplied for the specialist subcontractor(s).

1.	Name of Firm	
2.	Head office address	
3.	Telephone	Contact
4.	Fax	Telex
5.	Place of incorporation/registration	Year of incorporation/ registration



	Nationality of owners	
	Name	Nationality
1.		
2.		
3.		
4.		
5.		

Name of Bidders officers / Persons to be contacted			
Name.	Address	Phone Nos.	Fax.

## Application Form (1A)

## Structure and Organization

The applicant is an individual a proprietary firm a firm in partnership a Limited Company or Corporation a group of firms/consortium (if Yes, give completion information in respect of each partner)	
Attach the Organization Chart showing the structure of the organization including the names of the Directors and position of officers	
Number of years of experience : as a Prime Contractor (contractor shouldering major responsibility in own country other countries (specify country)	
in a consortium in own country other countries (Specify country)	
as a sub-contractor (specify main contractor) in own country other countries (Specify country)	
4. Name and address of any associates the applicant has in India (in case the applicant happens to be from foreign country) who are knowledgeable in the procedures of customs, immigration, taxes and other information necessary to do the work.	
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? Whether any new fields were added in your organization? And if so, when?	

5. Were you ever required to suspend construction for a period of more than six months continuously after you started? If so, give the name of project and give reasons thereof.	
6. Have you ever left the work awarded to you incomplete? If so, give name of project and reasons for not completing work.	
In which fields of civil engineering construction do you claim specialization and interest?	
Give details of your experience in mechanized cement concrete lining and in modern concrete technology for manufacture and quality control.	
Give details of your experience in using heavy earth moving equipment and quality control in compaction of soils.	
Give details of your experience in this type of road work done earlier	

**CONTRACT**  
**SCHEDULE : H**  
**- : ADDITIONAL INFORMATION**  
**:-**

---

(The applicant can add here any further information relevant to the evaluation of their pre-qualification bid)

**NOTE :-** The above information shall be supported with necessary documents  
Otherwise the same shall be treated as null & void.

**Signature of Applicant**

APPENDIX – I

## DETAILS OF PLANT &amp; EQUIPMENT OWNED BY THE CONTRACTOR

Name of Plants / Equipments	Make of Plants / Equipments	Details of the RTO registration	Cost of Plants / Equipment	Location where the Plants / Equipment located

## **GENERAL CONDITIONS OF CONTRACT**

**:: TABLE OF CONTESTS ::**

No.	Description
GC-1	Definitions and Interpretations
GC-2	Location of site and accessibility
GC-3	Scope of work
GC-4	Ruling language
GC-5	Interpretation of Contract Document
GC-6	Contractor to understand himself fully
GC-7	Errors in submissions
GC-8	Sufficiency of E-TENDER
GC-9	Discrepancies
GC-10	Performance Guarantee (Security Deposit)
GC-11	Inspection of work
GC-12	Defect Liability
GC-13	Power of Engineer-In-Charge to give further instructions.
GC-14	Programme
GC-15	Sub-letting of work
GC-16	Sub-Contracts for temporary works, etc.
GC-17	Time for completion
GC-18	Extension of time
GC-19	Contract Agreement
GC-20	Liquidated damages
GC-21	Forfeiture of Security Deposit
GC-22	Action of Forfeiture of Security Deposit
GC-23	No compensation for alteration in or restriction in work
GC-24	In the event of death of contractor
GC-25	Members of the owner not individually liable
GC-26	Owner not bound by personal representations
GC-27	Contractor's office at site
GC-28	Contractor's subordinate staff and their conduct
GC-29	Termination of sub-contract by owner
GC-30	Power of entry
GC-31	Contractor's responsibility with the other Contractor and Agencies.
GC-32	Other Agencies at site
GC-33	Notices
GC-34	Rights of various interests
GC-35	Price adjustments
GC-36	Terms of Payment
GC-37	Retention Money
GC-38	Payments due from the Contractor
GC-39	Contingent Fee
GC-40	Breach of Contract by Contractor
GC-41	Default of Contractor
GC-42	Bankruptcy
GC-43	Ownership
GC-44	Declaration against waiver
GC-45	Laws governing the contract
GC-46	Over payment and under payment
GC-47	Settlement of disputes
GC-48	Disputes of differences to be referred to
GC-49	DELETED
GC-50	Termination of the Contract
GC-51	Special risks
GC-52	Change in Constitution



GC-53	Sub-contractual relations
GC-54	Patents and Royalties
GC-55	Lien
GC-56	Execution of work
GC-57	Work in monsoon
GC-58	Work on Sundays and Holidays
GC-59	General Conditions for construction work
GC-60	Drawings to be supplied by the Owner
GC-61	Drawings to be supplied by the Contractor
GC-62	Setting outwork
GC-63	Responsibilities of Contractor for correctness of work
GC-64	Materials to be supplied by the Owner
GC-65	Conditions of issue of materials by the Owner
GC-66	Materials procured with assistance of the Owner
GC-67	Materials obtained from dismantling
GC-68	Article of value of treasure found during construction
GC-69	Discrepancies between instructions
GC-70	Alternations in specifications and designs and extra work.
GC-71	Action when no specifications are issued
GC-72	Abnormal rates
GC-73	Assistance to Engineer-In-Charge
GC-74	Tests for quality of work
GC-75	Action and compensation in case of bad workmanship
GC-76	Suspension work
GC-77	Owner may do part of the work
GC-78	Possession prior to completion
GC-79	Completion Certificate
GC-80	Schedule of Rates
GC-81	Procedure for measurement of work in progress
GC-82	Running account payments to be regarded as advances
GC-83	Notice for claim for additional payment
GC-84	Payment of Contractor's Bill
GC-85	Final Bill
GC-86	Receipt for payment
GC-87	Completion Certificate
GC-88	Taxes, Duties, etc.
GC-89	Insurance
GC-90	Damage to Property
GC-91	Contractor to Indemnify Owner
GC-92	Implementation of Apprentice Act 1954
GC-93	Health and Sanitary arrangements for workers
GC-94	Safety Code
GC-95	Accidents

**GC-01        DEFINITIONS AND INTERPRETATIONS :**

1.0 In the contract (as hereinafter defined) the following words and expressions shall, unless repugnant to the subject or context thereof, have the following means as signed to them.

1.1 The "Owner / Corporation" shall mean Rajkot Municipal Corporation and shall include its Municipal Commissioner or other Officers authorized by the Corporation and also include owner's successors and assignees.

1.2 The "Contractor" shall mean the person or the persons, firm or Company whose e-Tender has been accepted by the Owner and includes the Contractor's legal representative, his successors and permitted assignees.

**1.3    DELETED**

1.4 The "Engineer-In-Charge" shall mean the person designated as such by the owner from time to time and shall include those who are expressly authorized by the Corporation to act for and on its behalf for all functions pertaining to the operation of this contract.

1.5 Engineer-In-Charge's Representative shall mean any resident Engineer or Assistant to the Engineer-In-Charge appointed from time to time by the owner to perform duties set forth in the E-TENDER Document whose authority shall be notified in writing to the Contractor by the Engineer-In-Charge.

1.6 "E-TENDER" – the offer or proposal of the Tenderer submitted in the prescribed form setting forth the prices for the work to be performed, and the details thereof.

1.7 "Contract Price" shall mean total money payable to the Contractor under the contract.

1.8 "Addenda" shall mean the written or graphic notices issued prior to submission of e-Tender which modify or interpret the contract documents.

1.9 "Contract Time" – the time specified for the completion of work.

1.10 "Contract" shall mean agreement between the parties for the execution of works including therein all contract documents.

1.11 "Contract Document" shall mean collectively the e-Tender documents, designs, drawings, specifications, agreed variations, if any and such other documents constituting the e-Tender and acceptance thereof.

1.12 "The Sub-Contractor" shall mean any person, firm or company (other than the Contractor) to whom any part of the work has been entrusted by the Contractor with the written consent of the Engineer-In-Charge and the legal representative successors and permitted assignee of such person, firm or company.

1.13 The "Specifications" shall mean all directions, the various Technical Specifications, provisions and requirements attached to the contract which pertain to the method and manner of performing the work, to the quantities

and qualities of the work and the materials to be furnished under the contract for the work and any order(s) or instruction(s) there under. It shall also mean the latest Indian Standard Institute Specification relative to the particular work or part thereof, so far as they are not contrary to the E-TENDER specifications and in absence of any other Country applied in Indian as a matter of standard engineering practice and approved in writing by the Engineer-In-Charge with or without modification.

1.14The "Drawings" shall include maps, plans, tracings, or prints thereof with any modification approved in writing by the Engineer-In-Charge and as such other drawings as may, from time to time, be furnished or approved in writing by the Engineer-In-Charge in connection with the work.

1.15The "Work" shall mean the works to be executed in accordance with the contract or the part thereof as the case may be and shall include extra, additional, altered or substituted works as required for the purpose of the contract. It shall mean the totality of the work by expression or implication envisaged in the contract and shall include all materials, equipment and labour required for or relative or incidental to or in connection with the commencement, performance and completion of any work and / or incorporation in the work.

1.16The "Permanent Work" shall mean works which will be incorporated in and form part of the work to be handed over to the owner by the Contractor on completion of the contract.

1.17The "Temporary Work" shall mean all temporary works of every kind required in or about the execution, completion and maintenance of the work.

1.18"Site" shall mean the land and other places, on, under, in or through which the permanent works are to be carried out and any other lands or places provided by the Corporation for the purpose of the contract together with any other places designated in the contract as forming part of the site.

1.19The "Construction Equipment" shall mean all appliances / equipment of whatever nature required in or for execution, completion or maintenance of works or temporary works (as herein before defined) but does not include materials or other things intended to form or forming part of the permanent work.

1.20"Notice in writing or written Notice" shall mean a notice written, typed or in printed form delivered personally or sent by Registered Post to the last known private or business address or Registered Office / Email or SMS on the Mobile of the Contractor and shall be deemed to have been received in the ordinary course of post it would have been delivered.

1.21The "Alteration / variation order" shall mean an order given in writing by the Engineer-In-Charge to effect additions or deletions from or alterations in the work.

1.22"Final Test Certificate" shall mean the final test certificate issued by the owner within the provisions of the contract.

1.23The "Completion Certificate" shall mean the certificate to be issued by the Engineer-In-Charge when the work has been completed and tested to his satisfaction.

1.24The "Final Certificate" shall mean the final certificate issued by the Engineer-In-Charge after the period of defects liability is over and the work is finally accepted by the owner.

1.25"Defects Liability Period" shall mean the specified period between the issue of Completion Certificate and the issue of final certificate during which the Contractor is responsible for rectifying all defects that may appear in the works.

1.26"Approved" shall mean approved in writing including subsequent confirmation in writing of previous verbal approval and "Approval" means approved in writing including as aforesaid.

1.27"Letter of Acceptance" shall mean an intimation by a letter to Tenderer that his e-Tender has been accepted in accordance with the provisions contained therein.

1.28"Order" and "Instructions" shall respectively mean any written order or instruction given by the Engineer-In-Charge within the scope of his powers in terms of the contract.

1.29"Running Account Bill" shall mean a bill for the payment of "On Account" money to the Contractor during the progress of work on the basis of work done and the supply of non-perishable materials to be incorporated in the work.

1.30"Security Deposit" shall mean the deposit to be held by the owner as security for the due performance of the contractual obligations.

1.31The "Appointing Authority" for the purpose of Arbitration shall be the Municipal Commissioner, Rajkot Municipal Corporation.

1.32."Retention Money" shall mean the money retained from R.A.Bills for the due completion of the "LET WORKS".

1.33Unless otherwise specifically stated, the masculine gender shall include the feminine and neuter genders and vice-versa and the singular shall include the plural and vice-versa.

## **GC-02 LOCATION OF SITE AND ACCESSIBILITY :**

The work is to be carried out in the City area. Non-availability of access roads shall in no case be the cause to condone delay in the execution of the work and no claim or extra compensation will be paid. The intending bidder should inspect the site and make himself familiar with site conditions.

## **GC-03 SCOPE OF WORK :**

The scope of work is defined broadly in the special conditions of contract and specifications. The Contractor shall provide all necessary materials, equipment and labour etc. for the execution and maintenance of the work. All material that

go with the work shall be approved by the Engineer-In-Charge prior to procurement and use.

**Power Supply :**

The Contractor shall make his own arrangement for power supply during installation.

**Land for Contractor's Field Office, Godown Etc.:**

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

**GC-04 RULING LANGUAGE :**

The language according to which the contract shall be construed and interpreted shall be English. All entries in the contract document and all correspondence between the contractor and the Corporation or the Engineer-In-Charge shall be in English/Gujarati. All dimensions for the materials shall be given in metric units only. A reasonable proportion of the contractor's superintending staff shall have a working knowledge of Gujarati and/or Hindi language or the contractor shall have sufficient competent interpreters available for communications.

**GC-05 INTERPRETATION OF CONTRACT DOCUMENT :**

1.The provision of the General Conditions of Contract and Special Conditions of Contract shall prevail over those of any other documents of the contract unless specifically provided otherwise, should there be any discrepancy, inconsistency, error or omission in the several documents forming the contract, the matter may be referred to the Engineer-In-Charge for his instructions and decision. The Engineer-In-Charge's decision in such case shall be final and binding to the Contractor.

2.Works shown upon the drawings but not described in the specifications or described in the specifications without showing on the drawings shall be taken as described in the specifications and shown on the drawings.

3.The headings and the marginal notes to the clause of these General Conditions of Contract or to the specifications or to any other part of e-Tender documents are solely for the purpose of giving a concise indication and not a summary of contents thereof. They shall never be deemed to be part thereof or be used in the interpretation or construction of the contract.

4.Unless otherwise states specifically, in this contract documents the singular shall include the plural and vice-versa wherever the context so requires. Works imparting persons shall include relevant Corporations / Body of individual / firm of partnership.

5.Notwithstanding the sub-division of the documents into separate section and volumes every part of each shall be supplementary to and complementary of every other part and shall be read with and into the context so far as it may be practicable to do so.

6.Where any portion of the General Conditions of Contract is repugnant to or at variance with any provisions of the Special Conditions of Contract, then, unless a

different intention appears, the provisions of the special conditions of contract shall be deemed to over ride the provisions of General Conditions of Contract to the extent of each repugnancy of variance.

7.The materials, design, and workmanship shall satisfy the relevant BIS, and codes referred to. If additional requirements are shown in the specifications, the same shall be satisfied over and above BIS and other codes.

8.If the specifications mention that the Contractor shall perform certain work or provide certain facilities, it shall mean that the Contractor shall do so at his own cost.

9. Contractor to Collect His Own Information -

The details given in the e-Tender are arranged making necessary investigations for framing an estimate. However, when the work is being executed, changes in soil conditions are likely to be met with in view of the formation of soil, strata in Rajkot District. It is, therefore, desirable that the Contractor makes his own investigations or additional investigations as may be required for correctly assessing the cost of different items of work and submit his e-Tender accordingly. Any change in description or quantity of an item shall not vitiate the contract or release the Contractor from executing the work comprised in the contract according to the drawings and specifications at the e-Tendered rates.

He is deemed to have know the scope, nature and magnitude of the work and the requirements of materials and labour involved and as to whatever work he has to complete in accordance with the contract. The Contractor is expected to visit the site and surroundings to satisfy himself as to the nature of all existing structures, if any, and also as to the nature and the conditions of railways, roads, bridges and culverts, means of transport and communications whether by land, air or water and as to possible interruptions thereto and the access and gross from the site, to have examined and satisfied himself as to the sites for obtaining sand, stones, bricks and other materials, the site for disposal of surplus materials, the available accommodation and make such enquiries as may be necessary for executing and completing the work, to have local enquiries as to the sub-soil, subsoil water and variation thereof, storms, prevailing winds, climatic conditions and all other similar matters, effecting work. He is expected to be familiar with his liability for payment of Government taxes, customs and excise duty and other charges etc. in contract with the execution of this contract. The contractor shall have to a certificate for this.

#### **GC-06 CONTRACTOR TO UNDERSTAND HIMSELF FULLY :**

The Contractor by e-Tendering shall be deemed to have satisfied himself, as to all considerations and circumstances affecting the e-Tender price, as to the possibility of executing the works as shown and described in the contract and to have fixed his prices according to his own view on these matters and to have understood that no additional allowances except as otherwise expressly provided, will afterwards be made beyond the contract price. The Contractor shall be responsible for any misunderstanding or incorrect information, however, obtained.

**GC-07 ERRORS IN SUBMISSIONS :**

The Contractor shall be responsible for any errors or omissions in the particulars supplied by him, whether such particulars have been approved by the Engineer-In-Charge or not.

**GC-08 SUFFICIENCY OF e-TENDER :**

The Contractor shall be deemed to have satisfied himself before e-Tendering as to the correctness of the e-Tender rates which rates shall, except as otherwise provides for, cover all the Contractor's liabilities and obligations set forth or implied in the contract for the proper execution of the work for compliance with requirements of Article GC-19 thereof.

**GC-09 DISCREPANCIES :**

The drawings and specifications are to be considered as mutually explanatory of each other, detailed drawings being followed in preference to small-scale drawings and figured dimensions in preference to scale and special conditions in preference to General Conditions. The special directions or dimensions given in the specifications shall supercede all else. Should any discrepancies however, appear or should any misunderstanding arise as to the meaning and intent of the said specifications or drawings, or as to the dimensions or the quality of the materials or the due and proper execution of the works, or as to the measurement or quality and valuation of the work executed under this contract or as extra there upon, the same shall be explained by the Engineer-In-Charge and his explanation shall be subject to the final decision of the Municipal Corporation in case reference be made to it, be binding upon the Contractor and the Contractor shall execute the work according to such explanation and without addition or to deduction from the contract price and shall also do all such works and things necessary for the proper completion of the works as implied by the drawings and specifications, even though such works and things are not specially shown and described in the said specifications. In cases where no particular specifications are given for any article to be used under the contract, the relevant specifications of the Indian Standard Institution shall apply.

**GC-10 PERFORMANCE GUARANTEE (SECURITY DEPOSIT) :**

1.A sum of 5% of the accepted value of the e-Tender for **TWO YEARS** shall be deposited by the Tenderer (hereinafter called the contractor when e-Tender is accepted) as security deposit with the owner for the faithful performance, completion and maintenance of the works in accordance with the contract documents and to the satisfaction of the Engineer-In-Charge and assuring the payment of all obligations arising from the execution of the contract. This shall be deposited in one of the forms mentioned below :

a.By a Demand Draft on the Rajkot Branch of any Nationalized Bank or Scheduled Bank except co-operative bank.

b.A Fixed Deposit Receipt of a any Nationalized Bank or Schedule Bank duly endorsed in favour of the "**RAJKOT MUNICIPAL CORPORATION**", Rajkot.

**c.Irrevocable and unconditional Bank Guarantee of Equivalent amount of any Nationalized Bank or Schedule Bank except Co-operative Bank.**

c. The Contractor may pay 2.5% of the value of works as initial security deposit and the balance 2.5% shall be recovered in installments through deductions at the rate of 10 (ten) percent of the value of each Running Account Bill till the total security execution exceeds the accepted value of e-Tender because of allotment of further work, further recoveries towards security deposit shall be effected at 10% of the R A Bills to make up the five percent security deposit of the revised value of contract. Alternatively, the Contractor may at his option deposit the full amount of 5 percent of security deposit within ten days of receipt by him of the notification accepting the e-Tender in the form as aforesaid. **The Performance Guarantee (Security Deposit) will be released to the contractor without any interest after defect liability period is over.**

2. If the Contractor, sub-contractor or their employees shall break, deface or destroy any property belonging to the owner or other agency during the execution of the contract, the same shall be made good by the contractor at his own expense and in default thereof, the Engineer-In-Charge may cause the same to be made good by other agencies and recover expense from the Contractor (for which the certificate of the Engineer-In-Charge shall be final). These expense can be recovered from the security deposit if recovery from other sources is not possible. The amount as reduced in security deposit will be made good by deduction from the next R A Bill of the Contractor.

#### **GC-11 INSPECTION OF WORK :**

1. The Engineer-In-Charge shall have full power and authority to inspect the work at any time wherever in progress either on the site or at the Contractor's or any other manufacturer's workshop or factories wherever situated and the Contractor shall afford to Engineer-In-Charge every facility and assistance to carry out such inspection, Contractor or his authorized representative shall, at all time during the usual working hours and all times when so notified, remain present to receive orders and instructions.

Orders given to Contractor's representative shall be considered to have the same force as if they had been given to the Contractor himself. Contractor shall give not less than ten (10) days notice in writing to the Engineer-In-Charge before covering up or otherwise placing beyond reach of inspection and measurement any work in order that the same may be inspected and measured. In the event of breach of the above, the same shall be uncovered at Contractor's expenses for carrying out such inspection or measurement.

2. No material shall be despatched from Contractor's store on site of work before obtaining approval in writing of the Engineer-In-Charge. Contractor shall provide at all times during the progress of work and maintenance period of proper means of access with ladders, gangways, etc. and make necessary arrangement as directed for inspection or measurement of work by Engineer-In-Charge.

#### **GC-12 DEFECT LIABILITY :**

1. Contractor shall guarantee the work for a period of **Five Years** from the date of issue of Completion Certificate. Any damage or defect that may arise or that may remain undiscovered at the time of issue of Completion Certificate connected in any way with the equipment or materials supplied by him or in the workmanship shall be rectified or replaced by Contractor at his own expense as



desired by Engineer-In-Charge or in default Engineer-In-Charge may cause the same to be made good by other agency and deduct expenses of which the certificate of Engineer-In-Charge shall be final from any sums that may then or any time thereafter become due to Contractor or from his security deposit or the proceeds of sale thereof or of a sufficient portion thereof.

2. From the commencement to completion of work Contractor shall take full responsibility for the care of the work including all temporary works and in case any damages, occur from any cause whatsoever he shall at his own cost, repair and make good the same so that on completion, work shall be in good order and in conformity, in every respect, with the requirements of contract and as per the instructions of the Engineer-In-Charge.

3. If at any time before the work is taken over, the Engineer-In-Charge -

a) Decide that any work done or materials used by the Contractor are defective or not in accordance with the contract or that work or any portion thereof is defective or do not fulfill the requirements of contract (all such materials being herein after called defects in this clause) he shall, as soon as reasonably practicably, give notice to Contractor in writing of the said defect specifying particulars of the same then Contractor shall at his own expense and with all speed make good the defects so specified.

b) In case Contractor fails to do so, owner may take, at the cost of the Contractor, such stops as may in all circumstances be responsible to make good such defects. The expenditure so incurred by owner will be recovered from the amount due to Contractor. The decision of Engineer-In-Charge with regard to the amount to be recovered from Contractor will be final and binding on the Contractor.

### **GC-13 POWER OF ENGINEER-IN-CHARGE TO GIVE FURTHER INSTRUCTIONS :**

The Engineer-In-Charge shall have the power and authority from time to time and at all times to give further instructions and directions as may appear to him necessary or proper for the guidance of the Contractor and the works and efficient execution of the works according to the terms of the specifications, and the Contractor shall receive, execute, obey and be bound by the same, according to the true intent and meaning thereof, as fully and effectively as though the same had accompanied or had been mentioned or referred to in the specifications. No work which radically changes the original nature of the contract shall be ordered by the Engineer-In-Charge and in the event of any deviation being ordered, which in the opinion of the Contractor changes the original nature of the contract, he shall nevertheless carry it out and any disagreement as to the nature of the work and the rate to be paid to thereof shall be resolved.

The time of completion of works shall, in the event of any deviations being ordered resulting in additional cost or reduction in cost over the contract sum, be extended or reduced reasonably by the Engineer-In-Charge. The Engineer-In-Charge's decision in the case shall be final and binding.

**GC-14 PROGRAMME :**

The time allowed for execution of works shall be the essence of the contract. The contract period shall commence from the date of notice of intimation to proceed. The Tenderer at the time of submitting his e-Tender shall indicate in the construction schedule his programme of execution of work commencement with the total time specified. The Contractor shall provide the Engineer-In-Charge a detailed programme of time schedule for execution of the works in accordance with the specifications and the completion date. The entire programme to be finalized by the Contractor, has to conform to the execution period mentioned along with the Bill of Quantities in the e-Tender documents. The Engineer-In-Charge upon scrutiny of such submitted programme by Contractor, shall examine suitability of it to the requirement of contract and suggest modifications, if found necessary.

**GC-15 SUB-LETTING OF WORK :**

No part of the contract nor any share of interest thereon shall in any manner or degree be transferred, assigned or sublet by the Contractor directly or indirectly to any person, firm or Corporation whosoever except as provided for in the succeeding sub-clause, without the consent in writing of the owner.

**GC-16 SUB-CONTRACTS FOR TEMPORARYWORKS ETC. :(N.A.)**

The owner may give written consent to sub-contractors for execution of any part of the works at the site, being entered upon the contractor provided each individual contract is submitted to the Engineer-In-Charge before being entered into and is approved by him. List of sub-contractors to be supplied.

Notwithstanding any subletting with such approval as aforesaid and notwithstanding the Engineer-In-Charge shall have received of any sub-contractors, the Contractor shall be and shall remain solely responsible for the quality and proper and expeditious execution of the works and the performance of all the conditions of contract in all respects as if such subletting or subcontracting had not taken place and as if such works had been done directly by the Contractor.

**GC-17 TIME FOR COMPLETION :**

1.The work covered under this contract shall be commenced from the date the Contractor is served with a notice to proceed with the work and shall be completed before the date as mentioned in the time schedule of work. The time is the essence of the contract and unless the same is extended as mentioned in Clause GC-18 "Extension of Time", the Contractor shall pay liquidated damages for the delay.

2.The general time schedule for construction is given in the e-Tender document. Contractor shall prepare a detailed weekly or monthly construction programme in consultation with the Engineer-In-Charge soon after the agreement and the work shall be strictly executed accordingly.

The time for construction includes the time required for testing, rectifications, if any, retesting and completion of the work in all respects to the entire satisfaction of the Engineer-In-Charge.

**GC-18 EXTENSION OF TIME :**

Time shall be considered as the essence of the contract. If, however, the failure of the Contractor to complete the work as per the stipulated dates referred to above arises from delays on the part of Corporation in supplying the materials or equipment, it has undertaken to supply under the contract or from delays on the quantity of work to be done under the contract, or force majeure an appropriate extension of time will be given by the Corporation. The Contractor shall request for such extension within one month of the cause of such delay and in any case before expiry of the contract period.

**GC-19 CONTRACT AGREEMENT :**

The successful Tenderer shall enter into and execute the contract agreement within 10 (ten) days of the notice of award, in the form shown in e-Tender documents with such modifications as may be necessary in the opinion of the Corporation. It shall be incumbent on the Contractor to pay the stamp duty and the legal charges for the preparation of the contract agreement.

**GC-20 LIQUIDATED DAMAGES :**

If the Contractor fails to complete the work or designated part thereof within the stipulated completion date for the work or for the part, he shall pay liquidated damages at 0.1 (zero point one) percent of contract value for per day of delay subject to maximum of 10% of the contract value or as decided by Municipal Commissioner.

The Contractor shall complete one-sixth quantum of work within one fourth period, four-tenth quantum of work within one-half period and eight-tenth quantum of work within three-fourth period, failing which, the Contractor shall be liable to pay liquidated damages an amount as specified above, or as decided by Municipal Commissioner.

The amount of liquidated damages shall, however, be subjected to a maximum of 10 percent of the contract value. Delay in excess of 100 days shall be a cause for termination of the contract and forfeiture of all security for performance.

**GC-21 FORFEITURE OF SECUEITY DEPOSIT :**

Whenever any claim against the Contractor for the payment of a sum of money out of or under the contract arises, the Corporation shall be entitled to recover such sum by appropriating in part or whole, the security deposit of the Contractor. In case the security deposit is insufficient, the balance recoverable shall be deducted from any sum then due or which at any time thereafter may become due to the Contractor. The Contractor shall pay to the owner on demand any balance remaining due.

**GC-22 ACTION OF FORFEITURE OF SECURITY DEPOSIT :**

In any case in which under any Clause or Clauses of the contract, the Contractor shall committed a breach of any of the terms contained in this contract, the owner shall have power to adopt any of the following courses as he may deem best suited to his interest.

a)To rescind the contract (of which recession notice in writing to the contractor under the hand of the owner shall be conclusive evidence) in which case the

security deposit of the Contractor shall stand forfeited and be absolutely at the disposal of the owner.

b) To employ labour and to supply materials to carry out the balance work debiting Contractor with the cost of labour employed and the cost of materials supplied for which a certificate of the Engineer-In-Charge shall be final and conclusive against the Contractor and 10% of costs on above to cover all departmental charges and crediting him with the value of work done at the same rates as if it has been carried out by the Contractor under the terms of his contract. The certificate of Engineer-In-Charge as to the value of the work done shall be final and conclusive against the Contractor.

c) To measure up the work of the contractor and to take such part thereof as shall be unexecuted out of his hand and give it to another Contractor to complete, the same. In this case the excess expenditure incurred than what would have been paid to the original Contractor, if the whole work had been executed by him, shall be borne and paid by the original Contractor and shall be deducted from any money due to him by the owner under the contract or otherwise and for the excess expenditure, the certificate of the Engineer-In-Charge shall be final and conclusive.

In the event any of the above courses being adopted by the owner, the Contractor shall have no claims for compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any agreements or made any advance on account of or with a view to the execution of the work or the performance of the contract.

In purchase the Contractor shall not be entitled to recover or be paid any sum for any work actually performed under this contract unless the Engineer-In-Charge will certify in writing the performance of such work and the value payable in respect thereof and he shall only be entitled to be paid the value so certified.

In the event of the owner putting in force the powers as stated in a, b, c, above vested in him under the proceeding clause, he may, if he so desires, take possession of all or any tools and plant, materials and stores in or upon the works or the site thereof belonging to the Contractor, or procured by him and intended to be used for the execution of the work or any part thereof paying or allowing for the same in account at the contract rates to be certified by the Engineer-In-Charge. The Engineer-In-Charge may give notice in writing to the Contractor or his representative requiring him to remove such tools, plant, materials or stores from the premises within the time specified in the notice and in the event of the Contractor failing to comply with any such notice, the Engineer-In-Charge may remove them at the Contractor's expenses or sell them by auction or private sale on account of the Contractor and his risks in all respects without any further notice as to the date, time or place of the sale and the certificate of Engineer-In-Charge as to the expense of any such removal and the amount of the proceeds and the expenses of any such sale shall be final and conclusive against the Contractor.

**GC-23 COMPENSATION FOR ALTERATION IN OR RESTRICTION IN WORK**

If at any time from the commencement of the work, the owner shall for any reasons whatsoever not require the whole work or part thereof as specified in the e-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 full amount of the work not having been carried out. He also shall not have any claim for compensation by reasons of any alterations having been made in original specifications, drawings, designs and instructions which shall involve any curtailment of the work as originally contemplated.

When the Contractor is a partnership firm, the prior approval in writing of the owner shall be obtained before any change is made in the Constitution of the firm. Where the Contractor is an individual or a Hindu Undivided Family or business concern, such approval as aforesaid shall, likewise be obtained before Contractor enters into an agreement with other parties where under, the reconstituted firm would have the right to carry out the work hereby undertaken by the Contractor. In either case, if prior approval as aforesaid is not obtained, the contract shall be deemed to have been allotted contravention of subletting clause hereof and the same action may be taken and the same consequence shall ensure as provided in the subletting clause.

**GC-24 IN THE EVENT OF DEATH OF THE CONTRACTOR :**

Without prejudice to any of the rights or remedies under the contract, if the Contractor dies, the owner shall have the option of terminating the contract without compensation to the Contractor.

**GC-25 MEMBERS OF THE OWNER NOT INDIVIDUALLY LIABLE :**

No official or employee of the owner shall in any way be personally bound or liable for the acts or obligation of the owner under the contract, or answerable for any default or omission in the observance or performance of any acts, matters or things, which are herein, contained.

**GC-26 OWNER NOT BOUND BY PERSONAL REPRESENTATIONS :**

The Contractor shall not be entitled to any increase on the schedule of rates or any other rights or claims whatsoever by reason of representation, promise or guarantees given or alleged to have been given to him by any person.

**GC-27 CONTRACTOR'S OFFICE AT SITE :**

The Contractor shall provide and maintain an office at the site for the accommodation of his agent and staff and such office shall remain open at all reasonable hours to receive information, notices or other communications.

**GC-28 CONTRACTOR'S SUBORDINATE STAFF AND THEIR CONDUCT :**

1. The Contractor on award of the work shall name and depute a qualified Engineer having experience of carrying out work of similar nature, whom equipments, materials, if any, shall be issued and instructions for work given. the Contractor shall also provide to the satisfaction of Engineer-In-Charge sufficient and qualified staff, competent sub-agents, foreman and loading hands including those specially qualified by previous experience to supervise the type

of works comprised in the contract in such manner as will ensure work of the best quality and expeditious working. If, in the opinion of the Engineer-In-Charge additional properly qualified supervision staff is considered necessary, it shall be employed by the Contractor, without additional charge on account thereof. The Contractor shall ensure to the satisfaction of the Engineer-In-Charge that sub-contractors, if any, shall provide competent and efficient supervision over the work entrusted to them.

2.If and whenever any of the Contractor's or sub-contractor's agents, sub-agents, assistants, foreman or other employees shall, in the opinion of the Engineer-In-Charge, be guilty of any misconduct or be incompetent or insufficiently qualified or negligent in the performance of their duties or that in the opinion of the owner or Engineer-In-Charge, it is undesirable for administrative or any other reason for person or persons to be employed in the works, the Contractor if so directed by the Engineer-In-Charge, shall at once remove such person or persons from employment thereon. Any person or persons so removed shall not again be re-employed in connection with the works without the written permission of the Engineer-In-Charge. Any person, so removed from the works shall be immediately replaced at the expense of the Contractor by a qualified and competent substitute. Should the Contractor be required to repatriate any person removed from the works he shall do so after approval of Engineer-In-Charge and shall bear all costs in connection therewith.

3.The Contractor shall be responsible for the proper behavior of all the staff, foreman, workmen and others and shall exercise proper control over them and in particular and without prejudice to the said generality, the Contractor shall be bound to prohibit and prevent any employee from trespassing or acting in any way detrimental or prejudicial to the interest of the community or of the properties or occupiers of land and properties in the neighborhood and in the event of such employees so trespassing, the Contractor shall be responsible therefore and relieve the owner of all consequent claims, actions for damages or injury or any other ground whatsoever. The decision of the Engineer-In-Charge upon any matter arising under this claim shall be final.

4.If and when required by the owner, the Contractor's personnel entering upon the owner's premises shall be properly identified by badges of a type acceptable to the owner which must be worn at all times on owner's premises.

#### **GC-29      TERMINATION OF SUB-CONTRACT BY OWNER : (N.A.)**

If any sub-contractor engaged upon the works at the site execute any work which in the opinion of Engineer-In-Charge is not accordance with the contract documents, the owner may by written notice to the Contractor request him to terminate such sub-contract and the Contractor upon the receipt of such notice shall terminate such sub-contracts and the latter shall forthwith leave the works, failing which, the owner shall have the right to remove such sub-contractors from the site.

No action taken by the owner under the above clause shall relieve the Contractor of his liabilities under the contract or give rise to any right to compensation, extension of time or otherwise.

**GC-30 POWER OF ENTRY :**

If the Contractor shall not commence the work in the manner previously described in the contract documents or if he shall at any time, in the opinion of Engineer-In-Charge –

Fail to carry out works in conformity with the contract documents, or

Fail to carry out the works in accordance with the time schedule, or

Substantially suspend work or the works for a period of seven days without authority from Engineer-In-Charge, or

Fail to carry out and execute the work to the satisfaction of the Engineer-In-Charge, or

Fail to supply sufficient or suitable construction plant, temporary works, labour, materials or things, or

Commit breach of any other provisions of the contract on his part to be performed or observed or persists in any of the above mentioned breaches of the contract for seven days after notice in writing shall have been given to the Contractor by the Engineer-In-Charge requiring such breach to be remedied, or

Abandon the work, or

During the continuance of the contract becomes bankrupt, make any arrangement or compromise with his creditors, or permit any execution to be levied or go into liquidation whether compulsory or voluntary not being merely a voluntary liquidation for the purpose of amalgamation or reconstruction then in any such case.

The owner shall have the power to enter upon the works and take possession thereof and of the materials, temporary works, constructional plant and stores therein and to revoke the Contractor's license to use the same and to complete the works by his agents, other Contractor or workmen, to relate the same upon any terms to such other person firm or Corporation as the owner in his absolute discretion may think proper to employ, and for the purpose aforesaid to use or authorize the use of any materials, temporary works, constructional plant, and stores as aforesaid with making payments or allowance to the Contractor for the said materials other than such as may be certified in writing by the Engineer-In-Charge to be reasonable and without making any payment or allowance to the Contractor for the use of said temporary works, constructional plant and stock or being liable for loss or damage thereto. If the owner shall be reason of his taking possession of the works or of the work being got completed by other Contractor incurred excess expenditure be deducted from any money which may be due for the work done by the Contractor under the contract and not paid for. Any deficiency shall forthwith be made good and paid to the owner by the Contractor and the owner shall have power to sell in such manner and for such price as he may think fit all or any of the constructional plant, materials etc., consist constructed by or belonging to and to recoup and retain the said deficiency or any part thereof out of the proceeds of the sale.

**GC-31 CONTRACTOR'S RESPONSIBILITY WITH THE OTHER CONTRACTOR AND AGENCIES :**

Without repugnance to any other conditions, it shall be the responsibility of the Contractor executing the work, to work in close co-operation and co-ordination with other Contractors or their authorized representatives and the Contractor will put a joint scheme with the concurrence of other contractors or their authorized representatives showing the arrangements for carrying his portion of the work to

the Engineer-In-Charge and get the approval. The Engineer-In-Charge before approving the joint scheme will call the parties concerned and modify the scheme if required. No claim will be entertained on account of the above. The Contractor shall conform in all respects with the provisions of any statutory regulations, ordinances or bylaws of any local or duly constituted authorities or public bodies which may be applicable from time to time to works or any temporary works. The Contractor s shall keep the owner indemnified against all penalties and liabilities of every kind arising out of non-adherence to such statutes, ordinance, laws, rules, regulations etc.

**GC-32 OTHER AGENCIES AT SITE :**

The Contractor shall have to execute the work in such place and condition where other agencies will also be engaged for other works, such as site grading, filling and leveling, electrical and mechanical engineering works etc. No claim shall be entertained for works being executed in the above circumstances.

**GC-33 NOTICES :**

Any notice under this contract may be served on the Contractor or his duly authorized representative at the job site or may be served by Registered Post direct to the official address of the Contractor. Proof of issue of any such notice could be conclusive of the Contractor having been duly informed of all contents therein.

**GC-34 RIGHTS OF VARIOUS INTERESTS :**

The owner reserves the right to distribute the work between more than one Contractor. Contractor shall co-operate and afford reasonable opportunity to other Contractor s for access to the works, for the carriage and storage of materials and execution of their works. Whenever the work being done by department of the owner or by other Contractor employed by the owner is contingent upon work covered by this contract, the respective rights of the various interests shall be determined by the Engineer-In-Charge to secure the completion of various portions of the work in general harmony.

**GC-35 PRICE ADJUSTMENTS :**

Prices are firm and fix and no adjustment in price shall be allowed and no price escalation will be allowed for the contract period or extended period, if any.

**GC-36 TERMS OF PAYMENT :**

The payment of bills shall be made progressively according to the rules and practices followed by the Corporation. The progressive payment unless otherwise provided in the contract agreement or subsequently agreed to by the parties shall be made generally monthly on submission of a bill by the Contractor in prescribed form of an amount according to the value of the work performed less the price of materials supplied by owner aggregate of previous progressive payments and as required by Clause GC-37 (Retention of Money) herein. All such progressive payments shall be regarded as payments by way of advance against final payment. Payment for the work done by the Contractor will be based on the measurement at various stages of the work, in accordance with the condition at clause GC-81 (measurement of work in progress).



**GC-37 RETENTION MONEY :**

Pursuance to clause GC-36 (Terms of Payment) any on at money due to the Contractor for work done, Corporation will hold as Retention money five (5) percent of the value of work. The retention money will not normally be due for payment until the completion of the entire work and till such period the work has been finally accepted by the Corporation and a completion certificate issued by the Corporation in pursuant to Clause-GC 79 (Completion Certificate).

**GC-38 PAYMENTS DUE FROM THE CONTRACTOR :**

All costs, damages or expenses, for which under the contract, Contractor is liable to the Corporation, may be deducted by the Corporation from any money due or becoming due to the Contractor under the contract or from any other contract with the Corporation or may be recovered by action at law or otherwise from the Contractor.

**GC-39 CONTINGENT FEE :**

i)The Contractor warrants that he has not employed a person to solicit or secure the contract upon any agreement for a commission, percentage, and brokerage contingent fee. Breach of this warranty shall give the Corporation the right to cancel the contract or to take any drastic measure as the Corporation may deem fit. The warranty does not apply to commissions payable by the Contractor to establish commercial or selling agent for the purpose of securing business.

ii)No officer, employer or agent of the Corporation shall be admitted to any share or part of this contract or to any benefit that may rise there from.

**GC-40 BREACH OF CONTRACT BY CONTRACTOR :**

If the Contractor fails to perform the work under the contract with due diligence or shall refuse or neglect to comply with instructions given to him in writing by the Engineer-In-Charge in accordance with the contract, or shall contravene the provisions of the contract, the Corporation may give notice in writing to the Contractor to make good such failure, neglect, or contravention. Should the Contractor fail to comply with such written notice within 14 (fourteen) days of receipt, it shall be lawful for the Corporation, without prejudice to any other rights the Corporation may have under the contract, to terminate the contract for all or part of the works, forfeit the Security Deposit and make any other arrangements it shall deem necessary to complete the work outstanding under the contract at the time of termination and Black List / Debar for the period of three years from the works of RMC. In this event, the performance Bond shall immediately become due and payable to the Corporation. The value of the work done on the date of termination and not paid for shall be kept as deposit for adjustment of excess expenditure incurred in getting the remaining work completed and the Corporation shall have free use of any works which the Contractor may have at the site at the time of termination of the contract.

**GC-41 DEFAULT OF CONTRACTOR :**

i)The Corporation may upon written notice of default to the Contractor terminate the contract circumstances detailed as under :

a) If in the opinion of the Corporation, the Contractor fails to make completion of works within the time specified in the completion schedule or within the period for which extension has been granted by the Corporation to the Contractor.

b) If in the opinion of the Corporation, the Contractor fails to comply with any of the other provisions of this contract.

ii) In the event, the Corporation terminates the contract in whole or in part as provided in Article GC-50 (Termination of the Contract) the Corporation reserves the right to purchase upon such terms and in such manner as it may be deemed appropriate, plant similar to one which is not supplied by the Contractor and the Contractor will be liable to the Corporation for any additional costs for such similar plant and / or for liquidated damages for delay until such time as may be required for the final completion of works.

iii) If this contract is terminated as provided in this paragraph GC-30 (Power of Entry) (1) the Corporation in addition to any other rights provided in this clause, may require the Contractor to transfer title and deliver to the Corporation.

Any completed works

Such partially completed information and contract rights as the Contractor has specifically produced or acquired for the performance of the contract so terminated.

iv) In the event, the Corporation does not terminate the contract as provided in the paragraph GC-50 (Termination of Contract) the Contractor shall continue performance of the contract, in which case, he shall be liable to the Corporation for liquidated damages for delay until the works are completed and accepted.

#### **GC-42      BANKRUPTCY :**

If the Contractor shall become bankrupt or insolvent or has a receiving order made against him, or compound with his creditors, or being the Corporation commence to be wound up not being a member voluntary winding up for the purpose of amalgamation or reconstruction, or carry on its business under a receiver for the benefit of his creditors or any of them, the Corporation shall be at liberty to either (a) terminate the contract forthwith by giving notice in writing to the Contractor or to the receiver or liquidator or to any person or Organization in whom the contract may become vested and to act in the manner provided in Article GC-41 (Default of Contractor) as though the last mentioned notice had been the notice referred to in such article or (b) to give such receiver, liquidator or other persons in whom the contract may become vested the option of carrying out the contract subject to his providing a satisfactory guarantee for the due and faithful, performance of the contract up to an amount to be agreed. In the event that the Corporation terminates the contract in accordance with this article, the performance bond shall immediately become due and payable on demand to Corporation.

#### **GC-43      OWNERSHIP :**

Works hand over pursuant to the contract shall become the property of the Corporation from whichever is the earlier of the following times, namely;

A) When the works are completed pursuant to the contract.

- B) When the contractor has been paid any sum to which he may become entitled in respect thereof pursuant to Clause GC-36 (Terms of Payment).

**GC-44 DECLARATION AGAINST WAIVER :**

The condemnation by the Corporation of any breach or breaches by the Contractor or an authorized sub-contractor of any of the stipulations and conditions contained in the contract, shall in no way prejudice or affect or be construed as a waiver of the Corporation's rights, powers and remedies under the contract in respect of any breach or breaches.

**GC-45 LAWS GOVERNING THE CONTRACT :**

This contract shall be construed according to and subject to the laws of India and the State of Gujarat and under the jurisdiction of the Courts of Gujarat at Rajkot.

**GC-46 OVER PAYMENT AND UNDER PAYMENT :**

Whenever any claim for the payment of a sum to the Corporation arises out of or under this contract against the Contractor, the same may be deducted by the Corporation from any sum then due or which at any time thereafter may become due to the Contractor under this contract and failing that under any other contract with the Corporation (which may be available with the Corporation), or from his retention money or he shall pay the claim on demand. The Corporation reserves the right to carry out post payment audit and technical examinations of the final bill including all supporting vouchers, abstracts etc. The Corporation further reserves the right to enforce recovery of any payment when detected, notwithstanding the fact that the amount of the final bill may be included by one of the parties as an item of dispute before an Arbitrator, appointed under Article GC-49 (Arbitration) of this contract and notwithstanding the fact that the amount of the final bill figures in the arbitration award. If as a result of such audit and technical examinations any over payment is discovered in respect of any work done by the Contractor or alleged to have been done by him under the contract, it shall be recovered by the Corporation from the Contractor as prescribed above. If any under payment is discovered by the Corporation, the amount due to the Contractor under this contract, may be adjusted against any amount then due or which may at any time thereafter become due before payment is made to the Contractor.

**GC-47 SETTLEMENT OF DISPUTES :**

Except as otherwise specifically provided in the contract, all disputes concerning questions of fact arising under the contract shall be decided by the Engineer-In-Charge subject to a written appeal by the Contractor to the Engineer-In-Charge and those decisions shall be final and binding on the parties hereto. Any disputes or differences including those considered as such by only one of the parties arising out of or in connection with this contract shall be to the extent possible settled amicably between the parties. If amicable settlement cannot be reached then all disputed issues shall be settled as provided in Article GC-48 (Disputes or differences to be referred to) and Article No.GC-49 (Arbitration).

**GC-48 DISPUTES OF DIFFERENCES TO BE REFERRED TO :**

If at any time, any question, disputes or differences of any kind whatsoever shall arise between the Engineer-In-Charge and the contractor upon or in relation to

or in connection with this contract either party may forthwith give to the other, notice in writing of the existence of such question, dispute or difference as to any decision, opinion, instruction, direction, certificate or evaluation of the Engineer-In-Charge.

**GC-49        DELETED:**

**GC-50        TERMINATION OF THE CONTRACT :**

i)If the Contractor finds it impracticable to continue operation owing to force majeure reasons or for any reasons beyond his control and/or the Corporation find it impossible to continue operation, then prompt notification in writing shall be given by the party affected to the other.

ii)If the delay or difficulties so caused cannot be expected to cease or become unavoidable or if operations cannot be resumed within two (2) months then either party shall have the right to terminate the contract upon ten (10) days written notice to the other. In the event of such termination of the contract, payment to the Contractor will be made as follows :

a)The Contractor shall be paid for all works approved by the Engineer-In-Charge and for any other legitimate expenses due to him.

b)If the Corporation terminates the contract owing to Force Majeure or due to any cause beyond its control, the Contractor shall additionally be paid for any work done during the said two (2) months period including any financial commitment made for the proper performance of the contract and which are not reasonably defrayed by payments under (a) above.

c)The Corporation shall also release all bonds and guarantees at its disposal except in cases where the total amount of payment made to the Contractor exceeds the final amount due to him in which case the Contractor shall refund the excess amount within thirty (30) days after the termination and the Corporation thereafter shall release all bonds and guarantees. Should the Contractor fail to refund the amounts received in excess within the said period such amounts shall be deducted from the bonds or guarantees provided.

iii)On termination of the contract for any cause the Contractor shall see the orderly suspension and termination of operations, with due consideration to the interests of the Corporation with respect to completion safeguarding of storing materials procured for the performance of the contract and the salvage and resale thereof.

**GC-51        SPECIAL RISKS :**

If during the contract, there shall be an outbreak of war (whether war is declared or not), major epidemic, earthquake or similar occurrence in any part of the world beyond the control of either party to the contract which financially or otherwise materially affects the execution of the contract, the Contractor shall unless and until, the contract is terminated under the provisions of this article use his best endeavors to complete the execution of the contract, provided always that the Corporation shall be entitled at any item after the onset of such special risks, to terminate the contract by giving written notice to the contractor and upon such notice being given this contract shall terminate but without

prejudice to the rights of either party in respect of any antecedent breach thereof.

The Contractor shall not be liable for payment of compensation for delay or for failure to perform the contract for reasons of Force Majeure such as acts of public enemy, acts of Government, fires, floods, cyclones, epidemics, quarantine restrictions, lockouts, strikes, freight embargoes and provided that the Contractor shall within 10 (ten) days from the beginning of such delay notify the Engineer-In-Charge in writing, of the cause of delay, the Corporation shall verify the facts and grant such extension as the facts justify.

**GC-52 CHANGE IN CONSTITUTION :**

Where the Contractor is a partnership firm, the prior approval in writing of the owner shall be obtained before any change is made in the constitution of the firm. Where the Contractor is an individual or undivided family business concern such approval as aforesaid shall likewise be obtained before the Contractor enters into any partnership agreement where under the partnership firm would have the right to carry out the works hereby undertaken by the Contractor. If prior approval as aforesaid is not obtained, the contract shall be deemed to have been assigned in contravention of contract.

**GC-53 SUB-CONTRACTUAL RELATIONS (N.A.)**

All works performed for the contract by a sub-contractor shall be pursuant to an appropriate agreement between the Contractor and the sub-contractor, which shall contain provision to –

- a)Protect and preserve the rights of the Corporation and the Engineer-In-Charge with respect to the works to be performed under the sub-contracting party will not prejudice such rights.
- b)Require that such work be performed in accordance with the requirements of contract documents.
- c)Require under such contract to which the contractor is a party, the submission to the Contractor of application for payment and claims for additional costs, extension of time, damages for delay or otherwise with respect to the sub-contracted portions of the work in sufficient time, that the Contractor may apply for payment comply in accordance with the contract documents for like claims by the Contractor upon the Corporation.
- d)Waive all rights the contracting parties may have against one another for damages caused by fire or other perils covered by the property insurance except such rights as they may have to the proceeds of such insurance held by the Corporation as trustee and,
- e)Obligate each sub-contractor specifically to consent to the provisions of this Article.

**GC-54 PATENTS AND ROYALTIES :**

1.Contractors, if licensed under any patent covering equipment, machinery, materials or composition of matter to be used or supplied or methods and process to be practiced or employed in the performance of this contract agrees to pay all royalties and license fees, which may be due with respect thereto. If any equipment, machinery, materials, composition matters, to be used or supplied or methods practiced or employed in the performance of this contract, is covered by a patent under which Contractor is not licensed, then the

Contractor before supplying / using the equipment, machinery, materials, compositions, methods of process shall obtain such license and pay such royalties and license fees as may be necessary for performance of this contract. In the event Contractor fails to pay such royalty or to obtain any such license, any suit for infringement of such patents which is brought against the Contractor or the owner as a result of such failure will be defended by the Contractor at his own expenses and the Contractor will pay any damages and costs awarded in such suit. The Contractor shall promptly notify the owner if the Contractor has acquired knowledge of any plant under which a suit for infringement could be reasonably brought because of the use by the owner of any equipment machinery, materials, process methods to be supplied in hereunder. Contractor agrees to and does hereby grant to owner together with the right to extend the same to any of the subsidiaries of the owner an irrevocable royalty fee license to use in any Country, any invention made by the Contractor or his employees in or as a result of the performance of work under contract.

2. With respect to any sub-contract entered into by Contractor pursuant to the provisions of the relevant clause hereof, the Contractor shall obtain from the sub-contractor an understanding to provide the owner with the same patent protection that contracts is required to provide under the provisions of the clause.

3. The Contractor shall indemnify and save harmless the owner from any loss on account of claims against owner for the contributory infringement of patent rights arising out of and based upon the claim that the use by the Corporation of the process included in the design prepared by the Contractor and used in the operation of the plant infringes on any patent rights.

#### **GC-55      LIEN :**

If, at any time, there should be evidence of any lien or claim for which owner might have become liable and which is chargeable to the Contractor, the owner shall have the right to retain out of any payment then due or thereafter to become due an amount sufficient to completely indemnify the owner against such lien or claim or if such lien or claim be valid the owner may pay and discharge the same and deduct the amount as paid from any money which may be due or become due and payable to the Contractor. If any lien or claims remaining unsettled after all payments are made, the Contractor shall refund or pay to the owner all money that the latter may be compelled to pay in discharging such lien or claim including all costs and reasonable expenses.

#### **GC-56      EXECUTION OF WORK :**

The whole work shall be carried out in strict conformity with the provisions of the contract document, detailed drawings, specifications and the instructions of the Engineer-In-Charge from time to time. The Contractor shall ensure that the whole work is executed in the most substantial, and proper manner with best workmanship using materials of best quality in strict accordance with the specifications to the entire satisfaction of the Engineer-In-Charge.

#### **GC-57      WORK IN MONSOON :**

When the work continues in monsoon if required, the Contractor shall maintain minimum labour force required for the work and plan and execute the

construction and erection work according to the prescribed schedule. No extra rate will be considered for such work in monsoon. During monsoon and entire construction period, the Contractor shall keep the site free from water at his own cost. However, monsoon period from 1st July to 30th September will be excluded from time limit.

**GC-58 WORK ON SUNDAYS AND HOLIDAYS :**

No work except curing shall be carried out on Sunday and holidays. However, if the exigencies of the work need continuation of work on Sundays and Holidays, written permission of the Engineer-In-Charge shall be obtained in advance.

**GC-59 GENERAL CONDITIONS FOR CONSTRUCTION WORK :**

Working hours shall be eight every day. The over time work in two shifts could be carried out with the written permission of the Engineer-In-Charge but no compensation shall be paid for the same. The rate quoted shall include this. The Contractor shall plan his work in such a way that his labourers do not remain idle. The owner will not be responsible for idle labour of the Contractor. The Contractor shall submit to the owner progress report every week. The details and proforma of the report will be as per mutual agreement.

**GC-60 DRAWINGS TO BE SUPPLIED BY THE OWNER : (N.A.)**

The drawings attached with the e-Tender documents shall be for general guidance of the Contractor to enable him to visualize the type of work contemplated and scope of work involved. Detail working drawings according to which the work is to be done shall be prepared by the Contractor for executing the work.

**GC-61 DRAWINGS TO BE SUPPLIED BY THE CONTRACTOR:**

Where drawings, data are to be furnished by the Contractor they shall be as enumerated in special conditions of contract and shall be furnished within the specified time. Where approval of drawings has been specified it shall be Contractor's responsibility to have these drawings got approved before any work is taken up with regard to the same. Any changes becoming necessary in those drawings during the execution of the work shall have to be carried out by the Contractor at no extra cost. All final drawings shall bear the certification stamp as indicated below duly signed by both the Contractor and Engineer-In-Charge.

Certified true for.....Project Agreement  
No.....

Signed .....

Contractor

Engineer-In-Charge

Drawings will be approved within three (3 weeks of the receipt of the same by the Engineer-In-Charge.

**GC-62 SETTING OUT WORK :**

The Contractor shall set out the work on the site handed over by the Engineer-In-Charge and shall be responsible for the correctness of the same. The work shall be carried out to the entire satisfaction of Engineer-In-Charge. The approval thereof or partaking by Engineer-In-Charge or setting out work shall

not relieve Contractor of any of his responsibilities. The Contractor shall provide at his own cost all necessary level posts, pegs, bamboos, flags, ranging rods, strings and other materials and labourers required for proper setting out of the work. The Contractor shall provide fix and be responsible for the maintenance of all stakes, templates, level markets, profiles and similar other things and shall take all necessary precautions to prevent their removal or disturbance and shall be responsible for the consequences for such removal or disturbance. The Contractor shall also be responsible for the maintenance of all existing survey marks, boundary marks, and distance marks and centerline marks either existing or face lines and cross lines shall be marked by small masonry pillars. Each pillar shall have distance mark at the center for setting up the theodolite. The work shall not be started unless the setting out is choked and approved by Engineer-In-Charge in writing but such approval shall not relieve the Contractor of his responsibilities about the correctness of setting out. The Contractor shall provide all materials, labour and other facilities necessary for checking at his own cost. Pillars bearing geodetic marks on site shall be protected by the Contractor. On completion of the work, the Contractor shall submit the geodetic documents according to which the work has been carried out.

**GC-63      RESPONSIBILITIES OF CONTRACTOR FOR CORRECTNESS OF THE WORK :**

The Contractor shall be entirely and exclusively responsible for the correctness of every part of the work and shall rectify completely any errors therein at his own cost when so instructed by Engineer-In-Charge. If any error has crept in the work due to non-observance of this clause, the Contractor will be responsible for the error and bear the cost of corrective work.

1.                **Materials to be supplied by the Contractor:**

Contractor shall procure and provide all the material required for the execution and maintenance of work including M S rods; all tools, tackles, construction plant and equipment except, the materials to be supplied by the owner detailed in the contract documents. Owner, shall make recommendations for procurement of materials to the respective authorities if desired by the Contractor but assumes no responsibility of any nature. Owner shall insist for procurement of materials with ISI marks supplied by reputed firms of the DGS & D list.

2.If however, the Engineer-In-Charge feels that the work is likely to be delayed due to Contractor's inability to procure materials, the Engineer-In-Charge shall have the right to procure materials, from the market and the Contractor will accept these materials at the rates decided by Engineer-In-Charge.

**GC-64      MATERIALS TO BE SUPPLIED BY THE OWNER :**

1.If the contract provided certain materials or stores to be supplied by the owner, such materials and stores transported by the Contractor at his cost from owner's stores or Railway Station. The cost from Contractor for the value of materials supplied by the owner will be recovered from the R.A.Bill on the basis of actual consumption of materials in the work covered and for which R A Bill has been prepared. After completion of the work, the Contractor has to account for the full quantity of materials supplied to him.



2.The value of store materials supplied by owner to the Contractor shall be charged at rates shown in the contract document and in case any other material not listed in the schedule of materials is supplied by the owner, the same shall be charged at cost price including carting and other expenses incurred in procuring the same. All materials so supplied shall remain the property of the owner and shall not be removed from the site on any account. Any material remaining unused at the time of completion of work or termination of contracts shall be returned to owner's store or any other place as directed by the Engineer-In-Charge in perfectly good condition at Contractor's cost. When materials are supplied free of cost for use in work and surplus and unaccounted balance thereof are not returned to the owner, recovery in respect of such balance will be effected at double the applicable issue rate of the material or the market rates whichever is higher.

**GC-65            CONDITIONS OF ISSUE OF MATERIALS BY THE OWNER:  
(N.A.)**

The materials specified to be issued by the owner to the Contractor shall be issued by the owner at his store and all expenses for it carting site shall be borne by the Contractor will be issued during working hours and as per rules of owner from time to time.

Contractor shall bear all expenses for storage and safe custody at site of materials issued to him before use in work.

Material shall be issued by the owner in standard / non-standard sizes as obtained from manufacturer.

Contractor shall construct suitable godowns at site for storing the materials to protect the same from damage due to rain, dampness, fire, theft etc.

The Contractor should take the delivery of the materials issued by the owner after satisfying himself that they are in good condition. Once the materials are issued, it will be the responsibility of the Contractor to keep them in good condition and in safe custody. If the materials get damaged or if they are stolen, it shall be the responsibility of the Contractor to replace them at his cost according to the instructions of the Engineer-In-Charge.

For delay in supply or for non-supply of materials to be supplied by the owner, on account of natural calamities, act of enemies, other difficulties beyond the control of the owner, the owner carries no responsibilities. In no case the Contractor shall be entitled to claim any compensation for loss suffered by him on this account.

None of the materials issued to the contractor, shall be used by the Contractor for manufacturing items which can be obtained from the manufacturer's. The materials issued by the owner shall be used for the work only and no other purpose.

Contractor shall be required to execute indemnity bond in the prescribed form for the safe custody and account of materials issued by the owner.

Contractor shall furnish sufficiently in advance a statement of his requirements of quantities of materials to be supplied by the owner and the time when the same will be required for the work, so as to enable Engineer-In-Charge to make arrangements to procure and supply the materials.

A daily account of materials issued by the owner shall be maintained by the contractor showing receipt, consumption and balance on hand in the form laid down by Engineer-In-Charge with all connected paper and shall be always available for inspection in the site office.

Contractor shall see that only the required quantities of materials are got issued and no more. The Contractor shall be responsible to return the surplus materials at owner's store at his own cost.

**GC-66 MATERIALS PROCURED WITH ASSISTANCE OF THE OWNER :**

Notwithstanding anything contained to the contrary in any of the clauses of this contract, where any materials for the execution of the contract are procured with the assistance of the owner either by issue from owner's stock or purchase made under orders or permits or licenses issued materials as trustees for owner, and use such materials not disposed them off without the permission of owner and unserviceable materials that may be left with him after completion of the contract or at its termination for any reason whatsoever on his being paid or credited such price as Engineer-In-Charge shall determine having due regard to the conditions of the materials. The price allowed to Contractor shall not exceed the amount charged to him excluding the storage of breach of the aforesaid condition, the Contractor shall in terms of license or permits and/or for criminal breach of trust be liable to compensate owner at double the rate or any higher rates. In the event of these materials at that time having higher rate or not being available in the market then any other rate to be determined by the Engineer-In-Charge at his decision shall be final and conclusive.

**GC-67 MATERIALS OBTAINED FROM DISMANTLING :**

If the Contractor, in the course of execution of work, is called upon to dismantle any part of work for reasons other than on account of bad or imperfect work, the materials obtained from dismantling will be property of the owner and will be disposed off as per instructions of Engineer-In-Charge in the best interest of the owner.

**GC-68 ARTICLE OF VALUE OF TREASURE FOUND DURING CONSTRUCTION :**

All gold, silver and other minerals of any description and all precious stones, coins, treasures, relics, antiques and other similar things which shall be found in, under or upon site shall be the property of the owner and the Contractor shall properly preserve the same to the satisfaction of the Engineer-In-Charge and shall hand over the same to the owner.

**GC-69 DISCREPANCIES BETWEEN INSTRUCTIONS:**

If there is any discrepancy between various stipulations of the contract documents or instructions to the Contractor or his authorized representative or if any doubt arises as to the meaning of such stipulation or instructions, the Contractor shall immediately refer in writing to the Engineer-In-Charge whose

decision shall be final and conclusive and no claim for losses caused by such discrepancy shall in any event be admissible.

**GC-70      ALTERATIONS IN SPECIFICATIONS & DESIGNS & EXTRA WORK :**

The Architect / Engineer-In-Charge shall have power to make any alterations in, omission from, addition to substitution for, the schedule of rates, the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of work and the Contractor shall be bound to carry out such altered / extra / new items of work in accordance with any instructions which may be given to him in writing signed by Engineer-In-Charge and such alteration omissions, additions or substitutions, shall not invalidate contract and any altered, additional or substituted work shall be carried out by the Contractor on the same conditions of contract. The time of completion may be extended by Architect as may be considered just and reasonable by him. The rates for such additional, altered or substitute work shall be worked out as under :

a) If the rates for additional, altered or substitutes work are specified in the contract for work, the Contractor is bound to carry out such work at the same rates as specified in the contract.

b) If the rates for additional, altered or substituted work are not specifically provided in the contract for the work, the rates will be derived from the rates of similar items of work in the contract work. The opinion of Engineer-In-Charge as to whether the rates can be reasonably so derived the items of contract will be final and binding to the Contractors.

c) If the rates of altered, additional or substitute work cannot be determined as specified in (a) or (b) above, the rate shall be paid as per S.O.R. of RMC and if not available in RMC SOR then it will be paid according to the SOR of R&B / GWSSB. In such case, if contractor's premium quoted in the tender is below, the rate will be paid as per the premium quoted whereas if the premium quoted in the tender is above then it will be paid as per the rates of S.O.R. of Rajkot Municipal Corporation and if not available in RMC SOR then it will be paid according to the SOR of R&B / GWSSB.

d) If the rates of altered, additional or substitute work cannot be determined as specified in (a) or (b) or (c) above, the Contractor shall within seven days of the receipt of order to carry out the work inform the Architect / Engineer-In-Charge of the rate which he intends to charge for such work supported by rate analysis and the Architect / Engineer-In-Charge will determine the rate on the basis of prevailing market rates of materials, labour cost at schedule of labour plus 15% there on as Contractor's supervision overheads and profit. The opinion of Architect / Engineer-In-Charge as to the market rates of materials and the quantity of labour involved per unit of measurement will be final and binding on Contractor.

But under no circumstances, the Contractor suspends work or the plea of non settlement of items falling under this clause.

**GC-71 ACTION WHEN NO SPECIFICATIONS ARE ISSUED :**

In case of any class of work for which no specifications is supplied by the owner in the e-Tender documents, such work shall be carried out in accordance with relevant latest ISS and if ISS do not cover the same, the work shall be carried out as per General Technical Specification for building work; and if not covered in then it is to be with standard Engineering Practice subject to the approval of Engineer-In-Charge.

**GC-72 ABNORMAL RATES :**

Contractor is expected to quote rate for each item after careful analysis of cost involved for the performance of the completed item considering all specifications and conditions of contract.

**GC-73 ASSISTANCE TO ENGINEER-IN-CHARGE:**

Contractor shall make available to Engineer-In-Charge free of cost all necessary instruments and assistance in checking of any work made by the Contractor setting out for taking measurement of work etc.

**GC-74 TESTS FOR QUALITY OF WORK :**

1.All workmanship shall be of the best kind described in the contract documents and in accordance with the instructions of 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 of fabrication or on the site or at any such place. Contractor shall provide assistance, instruments, labour and materials as are normally required for examining, measuring and testing of any work of workmanship as may be selected and required by Engineer-In-Charge.

2.All tests necessary in connection with the execution of work as decided by Engineer-In-Charge shall be carried out at an approved laboratory at Contractor's cost.

3.Contractors shall furnish the Engineer-In-Charge for approval when requested or if required by the specification, adequate samples of all materials and finished goods to be used in work sufficiently in advance to permit tests and examination thereof. All materials furnished and finished goods applied in work shall be exactly as per the approved samples.

**GC-75 ACTION AND COMPENSATION IN CASE OF BAD WORKMANSHIP :**

If it shall appear to the Engineer-In-Charge that any work has been executed with materials of inferior description, or quality or are unsound or with unsound, imperfect or unskilled workmanship or otherwise not in accordance with the contract, the Contractor shall, on demand in writing from Engineer-In-Charge or his authorized representative specifying the work, materials or articles complained of, notwithstanding that the same may have been inadvertently passed, certified and paid for, forthwith rectify or remove and reconstruct the work, so specified. In the event of failure to do so within a period to be specified by the Engineer-In-Charge in his aforesaid demand, Contractor shall be liable to pay compensation at the rate of half a percent of the estimated cost of work for every work limited to a maximum of ten (10%) percent of the value of work while his failure to do so continues and in the case of any such failure, the

Engineer-In-Charge may on expiry of the notice period rectify and remove and re-execute the work or remove and replace with others at the risk and cost of the Contractor. The decision of the Engineer-In-Charge as to any question arising under this clause shall be final and conclusive.

**GC-76      SUSPENSION WORK :**

Contractor shall, if ordered in writing by Engineer-In-Charge or his representative temporarily suspended the work or any part thereof for such time (not exceeding one month) as ordered and shall not after receiving such written notice proceed with the work until he shall have received a written order to proceed therewith. The Contractor shall not be entitled to claim compensation for any loss or damage sustained by him by reason of temporary suspension of work as aforesaid. An extension of time for completion of work will be granted to the Contractor corresponding to the delay caused by such suspension of work if he applies for the same provided the suspension was not consequent upon any default or failure on the part of the Contractor.

**GC-77      OWNER MAY DO PART OF THE WORK :**

When the Contractor fails to comply with any instructions given in accordance with the provisions of this contract, the owner has the right to carry out such parts of work as the owner may designate whether by purchasing materials and engaging labour or by the agency of another Contractor. In such case the owner shall deduct from the amount which otherwise might become due to Contractor, the cost of such work and materials with then (10) percent added to cover all departmental charges and should the total amount thereof exceed the amount due to contract, Contractor shall pay the difference to owner.

**GC-78      POSSESSION PRIOR TO COMPLETION :**

The Engineer-In-Charge shall have the right to take possession of or to use any completed or partly completed work or part of work. Such possession or use shall not be deemed to be an acceptance of any work completed in accordance with the contract. If such prior possession or use by Engineer-In-Charge delays the process of work, equitable adjustment in the time of completion will be made and the contract shall be deemed to be modified accordingly.

**GC-79      COMPLETION CERTIFICATE :**

As soon as the work has been completed in accordance with contract (except in minor respects that do not effect their use for the purpose for which they are intended and except for maintenance thereof) as per General Conditions of Contract the Engineer-In-Charge shall issue a certificate (hereinafter called completion certificate) in which shall certify the date on which work has been completed and has passed the said tests and owner shall be deemed to have taken over work on the date so certified. If work has been divided in various groups in contract, owner shall be entitled to take over any group or groups before the other or others and there upon the Engineer-In-Charge will issue a completion certificate, which will, however, be for such group or groups so taken over.

In order that Contractor could get a completion certificate, he shall make good will all speed any defect arising from the defective materials supplied by Contractor of workmanship or any act or omission of Contractor that may have been discovered or developed after the work or groups of works has been taken

over. The period allowed for carrying out such work will be normally, one month. If any defect be not remedied within the time specified, owner may proceed to do work at Contractor's (Agency, or Firm) risk and expenses and deduct from the final bill such amount as may be decided by owner. If by reason of any default on the part of the Contractor, a completion certificate has not been issued in respect of every portion of work within one month after the date fixed by contract for completion of work, owner shall be at liberty to use work or any portion thereof in respect of which a completion certificate has been issued, provided that work or the portion thereof so used as aforesaid shall be afforded reasonable opportunity for completion of that work or the portion thereof so used as aforesaid shall be afforded reasonable opportunity for completion of that work for the issue of completion certificate.

#### **GC-80        SCHEDULE OF RATES :**

1.The rates quoted by the Contractor shall remain firm till the completion of the work and shall not be subject to escalation. Schedule of rates shall be deemed to include and cover all costs, expenses and liabilities of every description and risks or every kind to be taken in executing, completing and handing over the work to owner by Contractor. The contractor shall be deemed to have known the nature, scope, magnitude and the extent of work and materials required though contract documents may not fully and precisely furnish them. He shall make such provision in the Schedule of Rates as he may consider necessary to cover the cost of such items of work and materials as may be reasonable and necessary to complete the work. The opinion of Engineer-In-Charge as to the item of work which are necessary and reasonable for completion of the work shall be final and binding on Contractor although the same may be not shown on drawings or described specifically in contract documents.

2.The Schedule of Rates shall be deemed to include and cover the cost of all constructional plant, temporary work, materials, labour and all other matters in connection with each item in Schedule of Rates and the execution of work or any portion thereof finished complete in every respect and maintained as shown or described in the contract document or as may be ordered in writing during the continuance of the contract.

3.The Schedule of Rates shall be deemed to include and cover the cost of all royalties and fees for the articles and processes, protected by letters patent or otherwise incorporated in or used in connection with work, also all royalties, rents and other payments in connection with obtaining material of whatsoever kind for work and shall include an indemnity to owner which Contractor hereby gives against all action, proceedings, claims, damages, costs and expenses arising from the incorporation in or use on the works of any such articles, processes or materials. Other Municipal or local Board charges if levied on material, equipment or machineries to be brought to site for use on work shall be borne by the Contractor.

4.No exemption or reduction of custom duties, excise duties, sales tax or any other taxes or charges of the Central or State Government or of any Local Body whatsoever will be granted or obtained and all such expenses shall be deemed to have been included in and covered by Schedule of Rates. Contractor shall also

obtain and pay for all permits or other privileges necessary to complete the work.

5.The Schedule of Rates shall be deemed to include and cover risk on account of delay and interference with Contractor's conduct of work which may occur from any cause including orders of owner in the exercise of his powers and on account of extension of time granted due to various reasons.

6.For work under unit rate basis, no alteration will be allowed in the Schedule of Rates by reasons of work or any part of them being modified, altered, extended, diminished or omitted.

**GC-81      PROCEDURE FOR MEASUREMENT OF WORK IN PROGRESS:**

1.All measurements shall be in metric system. All the work in progress will be jointly measured by the representative of Engineer-In-Charge and Contractor's authorized agent. Such measurements will be got recorded in the Measurement Book by the Engineer-In-Charge or his authorized representative and signed by the Contractor or his authorized agent in token of acceptance. If the Contractor or his authorized agent fails to be present whenever required by the Engineer-In-Charge for taking measures for every reasons whatsoever, the measurement will be taken by the Engineer-In-Charge or his authorized representative notwithstanding the absence of Contractor and these measurements will be deemed to be correct and binding on the Contractor.

2.Contractor will submit a bill in approved proforma in quadruplicate to the Engineer-In-Charge of the work giving abstract and detailed measurements of various items executed during a month as mutually agreed. The Engineer-In-Charge shall verify the bill and the claim, as far as admissible, adjusted if possible, within 10 days of presentation of the bills.

**GC-82      RUNNING ACCOUNT PAYMENTS TO BE REGARDED AS ADVANCES :**

1.All running account payments shall be regarded as payments by way of advance against the final payment only and not as payment for work actually done and completed and shall not preclude the requiring of bad, unsound and imperfect or unskilled work to be removed and taken away and reconstructed or rejected or to be considered as an admission of the due performance of contract or any part thereof.

2.Five (5) percent of the gross R A Bill amount shall be retained from each bill as retention amount and the same will be paid with the final bill.

**GC-83      NOTICE FOR CLAIM FOR ADDITIONAL PAYMENT :**

If the Contractor considers that he is entitled to extra payment or compensation or any claim whatsoever in respect of work, he shall forthwith give notice in writing to the Engineer-In-Charge about his extra payment and / or compensation. Such notice shall be given to the Engineer-In-Charge within ten (10) days from the happening of any event upon which Contractor basis such claims and such notice shall contain full particulars of the nature of such claim with full details and amount claimed. Failure on the part of the Contractor to put forward any claim with the necessary particulars as above, within the time above

specified shall be an absolute waiver thereof. No omission by owner to reject any such claim and no delay in dealing therewith shall waiver by owner or any rights in respect thereof.

**GC-84 PAYMENT OF CONTRACTOR'S BILL :**

1.The price to be paid by the owner to Contractor for the work to be done and for the performance of all the obligations undertaken by the Contractor under contract shall be based on the contract price and payment to be made accordingly for the work actually executed and approved by the Engineer-In-Charge.

2. Contractor on submitting the bill thereof will be entitled to receive a monthly payment proportionate to the part thereof, approved and passed by Engineer-In-Charge, whose certificate of such approval and passing of the sum so payable shall be final and conclusive against contractor. This payment shall be made after necessary deductions as stipulated elsewhere in the contract documents for materials, security deposit etc. The payment shall be released to the Contractor within two (2) months of submission of the bill duly pre-occupied on proper revenue stamp. Payment due to Contractor shall be made by the owner through ECS mode in Indian currency in the account of contractor. Owner shall not be responsible if the account number is mislaid or misappropriated by unauthorized persons.

**GC-85 FINAL BILL :**

The final bill shall be submitted by Contractor within one (1) month of the date of physical completion of work, otherwise the Engineer-In-Charge's certificate of the measurement and of total amount payable for work shall be final and binding on all parties.

**GC-86 RECEIPT FOR PAYMENT :**

Receipt for payment made on account of work when executed by a firm must be signed by a person holding Power of Attorney in this respect on behalf of Contractor except when described in the e-Tender as a limited company in which case the receipt must be signed in the name of the Company by one of its principal officers or by some person having authority to give effectual receipt for the Company.

**GC-87 COMPLETION CERTIFICATE :**

1.When the Contractor fulfils his obligation as per terms of contract, he shall be eligible to apply for Completion Certificate. Contractor may apply for separate Completion Certificate in respect of each such portion of work by submitting the completion documents along with such application for Completion Certificate.

The Engineer-In-Charge shall normally issue to Contractor the Completion Certificate within one (1) month after receiving an application thereof from Contractor after verifying, from the completion documents and satisfying himself that work has been completed in accordance with and as set out in the construction and erection drawings and the contract documents. Contractor after obtaining the Completion Certificate is eligible to present the final bill for work executed by him under the terms of contract.



2. Within one month of completion of work in all respects Contractor shall be furnished with a certificate by the Engineer-In-Charge of such completion but no certificate shall be given nor shall work be deemed to have been executed until all (i) scaffolding, surplus materials and rubbish is cleaned off site completely, (ii) until work shall have been measured by the Engineer-In-Charge whose measurement shall be binding and conclusive and, (iii) until all the temporary works, labour and staff colonies etc. constructed are removed and the work site cleaned to the satisfaction of the Engineer-In-Charge. If Contractor shall fail to comply with the requirements as aforesaid or before date fixed for the completion of work, the Engineer-In-Charge may at the expense of Contractor remove such scaffolding, surplus materials and rubbish and dispose off the same as he thinks fit.

3. The following documents will form the completion documents:-

Technical documents according to which the work has been carried out.

b) Three sets of construction drawings showing therein the modifications and corrections made during the course of execution signed by the Engineer-In-Charge.

c) Completion Certificate for "Embedded" or "Covered" up work.

d) Certificate of final levels as set out for various works.

e) Certificate of test performed for various work.

f) Material appropriation statement for the materials issued by owner for work and list of surplus materials returned to owner's store duly supported by necessary documents.

4. Upon expiry of the period of defect liability and subject to Engineer-In-Charge being satisfied that work has been duly maintained by Contractor during the defect liability period of fixed originally or as extended subsequently and that Contractor has in all respects made up any subsidence and performed all his obligations under contract, the Engineer-In-Charge (without prejudice to the rights of owner in any way) give final certificate to that effect. The Contractor shall not be considered to have fulfilled the whole of his obligation until final certificate shall have been given by the Engineer-In-Charge.

5. Final Certificate only evidence of completion:

Except the final certificate, no other certificate of payment against a certificate or on general account shall be taken to be an admission by owner of the due performance of contract or any part thereof of occupancy or validity or any claim by the Contractor.

#### **GC-88 TAXES, DUTIES, ETC. :**

1. Contractor agrees to and does hereby accept full and exclusive liability for the payment of any and all taxes including Sales Tax, Duties, etc., now or hereinafter imposed, increased or modified from time to time in respect of work and materials and all contributions and taxes for unemployment, compensation, insurance and old age pension or annuities now or hereinafter imposed by the

Central or State Government authorities with respect to or covered by the wages, salaries or other compensation paid to the persons employed by Contractor.

If the Contractor is not liable to Sales Tax assessment, a certificate to that effect from the Competent Authority shall be produced without which final payment to the Contractor shall not be made. No.P, 'C' and 'D' Form shall be supplied by the owner, and the Contractor shall be required to pay full tax as applicable.

2. Contractor shall be responsible for compliance with all obligations and restrictions imposed by the labour law or any other law affecting employer-employee relationship.

3. Contractor further agrees to comply and to secure the compliance of all sub contractors with applicable Central, State, Municipal and local laws and regulations and requirement. Contractor also agrees to defend, indemnify the hold harmless the owner from any liability or penalty which may be imposed by Central, State or local authority by reasons of any violation by Contractor or sub Contractor of such laws, regulations or requirements and also from all claims, suits or proceedings that may be brought against owner arising under, growing out of or by reasons or work provided for by this Contract by third parties or by Central or State Government authority or any administrative Sub-Division thereof.

The Sales Tax on work contract will be borne by Contractor.

#### **GC-89 INSURANCE :**

Contractor shall at his own expenses carry and maintain the reputable Insurance Companies to the satisfaction of owner as follows :

1. Contractor agrees to and uses hereby accept full and exclusive liability for compliance with all obligations imposed by the Employer's State Insurance Act, 1948 and Contractor further agrees to defend, indemnify and hold owner harmless from any liability or penalty which may be imposed by the Central or State Government or local authority by reasons of any assorted violation by Contractor or Sub-Contractor or the Employees State Insurance Act, 1948 and also from all claims, suits or proceedings that may be brought against owner arising under, growing out of or by reasons of the work provided for by this contract whether brought by employees of Contractor by third parties or by Central or State Government authority or any administrative Sub-division thereof.

Contractor agrees to fill in with the Employees State Insurance Corporation, the declaration form and all forms which may be required in respect of Contractor's or sub-Contractor's employees whose aggregate remuneration is Rs.400/- p.m. or less and who are employed in work provided for or those covered by ESI from time to time under the agreement. The Contractor shall deduct and secure the agreement of the sub-Contractor to deduct the employees contribution as per the first schedule of the Employees State Insurance Act from wages. Contractor shall remit and secure the agreement of sub-contractor to remit to the State Bank of Indian Employees State Insurance Accounts, the employee's contribution as required by the Act. Contractor agrees to maintain all cards and records as required under the Act in respect of employees and payments and

Contractor shall secure the agreements of the sub contractors to maintain in such records, any expenses incurred for the contributions, making contributions or maintaining records shall be to Contractors or sub-contractors own account. owner shall retain such sum as may be necessary from the contract value until Contractor shall furnish satisfactory proof that all contribution as required by the Employees State Insurance Act, 1948 have been paid.

**2.Workman's compensation and employees liability insurance:** Insurance shall be effected for all Contractors employees engaged in the performance of this contract. If any part of work is sublet, Contractor shall require the sub-Contractor to provide workman's compensation and employer's liability insurance, which may be required by owner.

3.Other Insurance required under law of regulations or by owner Contractor shall also carry and maintain any and all other insurance which may be required under any law or regulation from time to time. He shall also carry and maintain any other insurance, which may be required by owner.

**GC-90 DAMAGE TO PROPERTY :**

1.Contractor shall be responsible for making good to the satisfaction of owner any loss of and any damage to all structures and properties belonging to owner or being executed or procured or being procured by owner or of other agencies within the premises of all work of owner, if such loss or damage is due to fault and / or the negligence of willful act or omission of Contractor, his employees, agent, representatives or sub-Contractor s.

2.Contractor shall indemnify and keep owner harmless of all claims for damage to properties other than property arising under by reasons of this agreement, such claims result from the fault and / or negligence or willful act or omission of Contractor, his employees, agents representative or sub-contractor.

**GC-91 CONTRACTOR TO INDEMNIFY OWNER :**

1.The Contractor shall indemnify and keep indemnified the owner and every member, officer and employee of owner from and against all actions, claims, demands and liabilities whatsoever under the in respect of the breach of any of the above clauses and / or against any claim, action or demand by any workman / employee of the Contractor or any sub-contractor under any laws, rules or regulations having force of laws, including but not limited to claims against the owner under the workman compensation Act, 1923, the Employee's Provident Funds Act, 1952 and / or the contract labour (Abolition and Regulations) Act, 1970.

**2.PAYMENTS OF CLAIMS AND DAMAGES :** If owner has to pay any money in respect of such claims or demands aforesaid, the amount so paid and the cost incurred by the owner shall be charged to and paid by Contractor without any dispute notwithstanding the same may have been paid without the consent or authority of the Contractor.

3.In every case in which by virtue of any provision applicable in the workman's Compensation Act, 1923 or any other Act, owner be obliged to pay compensation to workmen employed by Contractor the amount of compensation so paid, and without prejudice to the rights of owner under Section-(12) Sub-

section-(2) of the said Act, owner shall be at liberty to recover such amount from any surplus due to on to become due to the Contractor or from the security deposit. Owner will not be bound to contest any claim made under Section-(12) Sub-section-(2) of the said act except on written request of Contractor and giving full security for all costs consequent upon the contesting of such claim.

The Contractor shall protect adjoining sites against structural, decorative and other damages that could be caused to adjoining premises by the execution of these works and make good at his cost, any such damage, so caused.

**GC-92 IMPLEMENTATION OF APPRENTICE ACT 1954 :**

Contractor shall comply with the provisions of the apprentice Act 1954 and the orders issued there under from time to time. If he fails to do so, it will be a breach of contract.

**GC-93 HEALTH AND SANITARY ARRANGEMENTS FOR WORKERS:**

Contractor shall comply with all the rules and regulations of the local Sanitary Authorities or as framed by owner from time to time for the protection of health and provide sanitary arrangements of all labour directly or indirectly employed on the work of this contract.

**GC-94 SAFETY CODE :**

General :

Contractor shall adhere to safe construction practice and guard against hazardous and unsafe working conditions and shall comply with owner's rules as set forth herein.

**1.0 First Aid and Industrial Injuries :**

1.1 Contractor shall maintain First-Aid facilities for its employees and those of his sub-contractors.

1.2 Contractor shall make outside arrangements for ambulance service and for the treatment of industrial injuries. Name of those providing these services shall be furnished to Engineer-In-Charge prior to start of construction, and their telephone numbers shall be prominently posted in Contractor's field office.

1.3 All injuries shall be reported promptly to Engineer-In-Charge and a copy of Contractor's report covering each personal injury requiring the attention of a physician shall be furnished to owner.

**2.0 General Rules :**

2.1 Carrying and striking, matches, lighters inside the project area and smoking within the job site is strictly prohibited. Violators of smoking rules shall be discharged immediately. Within the operation area, no hot work shall be permitted, without valid gas, safety, fire permits. The Contractor shall also be held liable and responsible for all lapses of his sub-Contractor s / employees in this regard.

**3.0 Contractor's Barricades :**

3.1 Contractor shall erect and maintain barricades without any extra cost, required in connection with his operation to guard or protect during the entire phase of the operation of this contract for -

## Excavation

### Hoisting areas

Areas adjudged hazardous by Contractor's OR Owner's inspectors.

Owner's existing property liable to be damaged by Contractor's operations, in the opinion of Engineer-In-Charge / Site Engineer.

3.2 Contractor's employees and those of his sub-contractors shall become acquainted with owner's barricading practices and shall respect the provisions thereof.

3.3 Barricades and hazardous areas adjacent to but not located in normal routes of travel shall be marked by red lantern at night.

### 4.0 Scaffolding :

4.1 Suitable scaffolding shall be provided for workman for all works that cannot safely be done from ladders. When a ladder is used, an extra mazdoor shall be engaged for holding the ladder and if the ladder is used for carrying materials as well suitable footholds and handholds shall be provided on the ladder and the same shall be given an inclination not steeper than 1 in 4 (1 horizontal and 4 vertical).

4.2 Scaffolding or staging, more than 3.6 M. (12') above the ground or floor, swing or suspended from an overhead support or erected with stationary support shall have a guard rail properly attached, bolted, braced and otherwise fixed at least 1.0 M (3') high above the floor or platform or scaffolding or staging and extending along the entire length of the outside ends thereof with only such openings as may be necessary for the delivery of materials. Such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.

4.3 Working platforms, gangways, and stairways should be so constructed that they should not sag unduly or inadequately and if the height of the platform or the gangway of the stairway is more than 3.6 (12') above ground level or floor level, they should be closely boarded, should have adequate width and should be suitably fastened as described in 4.2 above.

4.4 Every opening in the floor of a building or in a working platform be provided with suitable means to prevent the fall of persons or materials by providing suitable fencing or railing whose minimum height shall be 1.0 M (3'.0").

4.5 Safe means of access shall be provided to all working platforms and other working places. Every ladder shall be securely fixed. No portable single ladder shall be over 9.0 M. (30') in length while the width between the side rails in rung ladder shall in no case be less than 30 cms (12 inches) for ladder up to and including 3.0 M. (10'), in longer ladders this width would be increased at least 6 mm (1/4") for each addition 30 c.m. (1.0) of length. Uniform step spacing shall not exceed 30 cms. (12"). Adequate precaution shall be taken to prevent danger from electrical equipment. No materials on any of the side of work shall be so stacked or placed as to cause danger or inconvenience to any person or public. The Contractor shall also provide all necessary all necessary fencing and lights to protect the workers and staff from accidents, and shall be bound to bear the expenses of defence of every suit action or other proceedings at law that

may be brought by any persons for injury sustained owing to neglect of the above precautions and to pay damages and costs which may be awarded in any such suit or action or proceedings to any such person, or which, may be with the consent of the Contractor be paid to compromise any claim by any such person.

#### 5.0 Excavation :

5.1 All trenches 1.2 M (4') or more in depth, shall at all time be supplied with at least one ladder.

5.2 Ladder shall be extended bottom of the trench to at least 3" above the surface of the ground. The side of the trench which are 1.5 M (5') or more in depth shall be stopped back to give suitable slope, or securely held by timber bracing, so as to avoid the danger of sides to collapse. The excavated materials shall not be placed within 1.5 M (5') of the trench of half of the trench depth whichever is more. Cutting shall be done from top to bottom. Under no circumstances, undermining or under cutting be done.

#### 6.0 Demolition :

6.1 Before any demolition work is commenced and also during the progress of the work all roads and open area adjacent to the work site shall either be closed or suitably protected.

6.2 No electric cable or apparatus which is liable to be a source of danger shall remain electricity charged.

6.3 All practical steps shall be taken to prevent danger to persons employed from risk of fire or explosion or flooding. No floor or other part of the building shall be so over loaded with debris or materials as to render it unsafe.

#### 7.0 Safety Equipment :

7.1 All necessary personal safety equipment as considered necessary by the Engineer-In-Charge should be made available for the use of persons employed on the site and maintained in a condition suitable for immediate use, and the Contractor should take adequate steps to ensure proper use of equipment by those concerned.

7.2 Workers employed on mixing asphaltic materials, cement and lime mortars shall be provided with protective footwear and protective gloves.

#### 8.0 Risky Place :

8.1 When the work is done near any place where there is a risk of drowning, all necessary safety equipment shall be provided and kept ready for use and all necessary steps taken for prompt rescue of any person in danger and adequate provision should be made for prompt first-aid treatment of all injuries likely to be sustained during the course of the work.

#### 9.0 Hoisting Equipment :

9.1 Use of hoisting machines and tackles including their attachments, and storage and supports shall conform to the following standards or conditions.

9.2 These shall be of good mechanical construction, sound material and adequate strength and free from patent defect and shall be kept in good condition and in good working order.

9.3 Every rope used in hoisting or lowering materials or as a means of suspension shall be of durable quality and adequate strength and free from patent defects.

9.4 Every crane driver or hoisting appliance operator shall be properly qualified and no person under the age of 21 years should be in-charge of any hoisting machine including any scaffolding.

9.5 In case of every hoisting machine and of every chain ring hook, shackle, swivel and pulley block used in hoisting or lowering or as means of suspension, the safe working load shall be ascertained by adequate means. Every hoisting machine and all gear referred to above shall be plainly marked with the safe working load and the conditions under which it is applicable shall be clearly indicated. No part of any machine or any gear referred to above in this paragraph shall be loaded beyond the safe working load except for the purpose of testing.

9.6 In case of departmental machine, the safe work load shall be notified by the Engineer-In-Charge, as regards Contractor's machine, the Contractor shall, notify, the safety working load of the machine to the Engineer-In-Charge. Whenever the Contractor brings any machinery to site of work he should get it verified by the Engineer-In-Charge concerned.

#### 10.0 Electrical Equipment :

Motors, gears, transmission, electric wiring and other dangerous parts of hoisting appliances shall be provided with efficient safeguards, hoisting appliances should be provided with such means when will reduce to the minimum the risk of accidental descent of the load, adequate precautions shall be taken to reduce to the minimum the risk of any part or a suspended load becoming accidentally displaced. When workers are employed on electrical installations which are already energized, insulating mats, wearing apparel such as gloves, and booths as may be necessary shall be provided. The workers shall not wear any rings, watches and carry keys or other materials which are good conductors of electricity.

#### 11.0 Maintenance of Safety Devices :

All scaffolds, ladders and other safety devices as mentioned or described herein shall be maintained in sound condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities should be provided at or near place of work.

#### 12.0 Display of Safety Instructions :

The safety provisions should be brought to the notice of all concerned by display on a Notice Board at a prominent place at the work spot. The persons responsible for compliance of the safety code shall be named therein by the Contractor.

#### 13.0 Enforcement of Safety Regulations :

To ensure effective enforcement of the rules and regulations relating to safety precautions, the arrangement made by the Contractor shall be open to inspection by the Welfare Officer, Engineer-In-Charge or Safety Engineer of the owner or their representatives.

#### 14.0 No Exemption :

14.1 Notwithstanding the above clause 1.0 to 13.0 there is nothing to exempt the Contractor from the operations of any other Act or Rules in force in the Republic of India.

14.2 In addition to the above, the Contractor shall abide by the safety code provisions as per C.P.W.D. safety code framed from time to time.

#### **GC-95 ACCIDENTS :**

It shall be Contractor's responsibility to protect against accidents on the works. He shall indemnify the owner against any claim for damage or for injury to person or property resulting from, and in the course of work and also under the provisions of the workman's compensation Act. On the occurrence of an accident arising out of the works which results in death or which is so serious as to be likely to result in death, the Contractor shall within twenty-four hours of such accident, report in writing to the Engineer-In-Charge, the facts stating clearly and in sufficient details the circumstances of such accident and the subsequent action. All other accidents on the works involving injuries to person or damage to property other than that of the Contractor shall be promptly reported to the Engineer-In-Charge, stating clearly and in sufficient details the facts and circumstances of the accidents and the action taken. In all cases, the Contractor shall indemnify the owner against all loss or damage resulting directly or indirectly from the Contractor's failure to report in the manner aforesaid. This includes penalties or fines, if any, payable by the owner as a consequence of failure to give notice under the Workman's Compensation Act, or failure to conform to the provisions of the said act in regard to such accidents.

In the event of an accident in respect of which compensation may become payable under the Workman's Compensation Act VIII of 1923 including all modification thereof, the Engineer-In-Charge may retain out of money due and payable to the Contractor such sum of sums of money as may in the opinion of Engineer-In-Charge be sufficient to meet such liability. On receipt of award from the Labour Commissioner in regard to quantum of compensation, the difference in amount will be adjusted.

Asst.Engineer  
Rajkot Muni. Corporation

Dy.Ex.Engineer  
Rajkot Muni. Corporation

Addl. City Engineer  
Rajkot Muni. Corporation

Signature of Contractor.



### TECHNICAL SPECIFICATIONS CONTENTS

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A	GENERAL
1	Scope of Contract
2	Tender Price
3	Completion Schedule
4	General Technical Guideline
B	SPECIFICATION OF MATERIAL
C	DETAILED TECHNICAL SPECIFICATION
D	ADDITIONAL CONDITIONS

## :: TECHNICAL SPECIFICATION ::

### (A) GENERAL

#### 1. SCOPE OF CONTRACT :

The work entitled comprise of **Construction of 30. 00 MT DP ROAD from RMC-RUDA BOUNDARY to morbi bye pass road Connecting AIIMS hospital** complete as per specifications.

#### 2. TENDER PRICE :

The rates quoted in the bill of quantities shall cover everything necessary for the due and complete execution of the work according to the design submitted by contractor and approved by RMC and drawings and other condition and stipulations of the contract including specifications of the evident, intend and meaning of all or either of them or according to customary usage and for periodical and final inspection and test and proof of the work in every respect and for measuring, numbering or weighing the same, including setting out and laying or fixing in position and the provision of all materials, power, tools, rammers, labour, tackle, platforms with impervious lapped joints for scaffolding, ranging roads, straight edged, cantering and boxing, wedges, moulds, templates, posts, straight rods, straight edged, cantering and boxing, wedges, moulds, templates, posts, straight rails, boning staves strutting, barriers, fencing lighting pumping apparatus, temporary arrangement for passage of traffic access to premises and continuance to drainage water supply and lighting (if interrupted by contractor's work) temporary sheds, painting, varnishing, polishing establishment for efficient supervision and stating arrangements for the efficient protective of life and property and all requisite plant and machinery of every kind.

The contractor shall keep every portion of the work clear of accumulation from time to time and shall leave every portion of the work clean, clear, perfect and at the conclusion of whole, providing at their own cost all such material implement, appliances and labour as the Engineer in charge may require to prove if it to be so.

#### 3. COMPLETION SCHEDULE :

The contract period shall be as prescribed in tender notice, from the date of notice to proceed. The Contraction shall submit his completion schedule and the program of works together with this tender in conformity with completion schedule given in the documents.

#### 4. GENERAL TECHNICAL GUIDELINE :

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 specifications and the written order of the Engineer in charge

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

4.3 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 representative on site shall be considered as it given to the contractor himself.

4.4 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.

4.5 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

4.6 Unexcavated lengths shall be left wherever required and so directed by the Engineer in charge during the currency of the contract and shall be tackled. If required, before completion of work.

4.7 Diversion of road, if necessary, shall be provided and maintained during the currency of the contract by the contractor at his cost.

4.8 Figured Dimensions of drawing shall supersede measurements by scale, special dimensions or directions in the specifications shall supersede all other dimensions.

**4.9 The contractor shall be responsible to take regular level on the approved alignment before actually starting the work The levels shall be commence to the G.T.S. levels and shall be got approved from the Engineer in charge before 10 days of starting of paver work.**

4.10 If the arrangement of temporary drainage or waterway is required to be made during any work of this Contract, this shall be made by the Contractor without claiming any extra cost.

5. The rates are inclusive of dewatering, if required.

6. During construction activity, proper care must be taken for labour safety and must follow the provisions of the Labour laws.

7. In case of any ambiguity found in Technical Specifications / inspections drawings etc, the decision of engineer-in-charge shall be final and binding to the contractor.

Asst.Engineer  
Rajkot Muni. Corporation

Dy.Ex.Engineer  
Rajkot Muni. Corporation

Addl. City Engineer  
Rajkot Muni. Corporation

Signature of contractor

## **SPECIFICATIONS OF MATERIALS**

**M-1      Aggregates:****1.1.      Coarse Aggregates**

**1.1.1** Coarse aggregates shall comply with the requirements of IS 383. As far as possible crushed semi-crushed aggregates shall be used. For ensuring adequate durability, the aggregate used for production of blocks shall be sound and free of soft or honeycombed particles.

1.1.2 Other types of aggregates such as slag and crushed, over-burnt brick or tile which maybe found suitable with regard to strength, durability of concrete and freedom from harmful effects may be used in preparation of concrete for production of paver blocks. However such aggregates shall not contain more than 0.5 percent of sulphates as SO<sub>3</sub> and shall not absorb more than 2 percent of their own mass of water.

1.1.3 Heavy weight aggregates or light weight aggregates such as bloated clay aggregates and sintered fly ash aggregates may also be used provided the purchaser is satisfied with the data on the properties of concrete made with them.

1.1.4 The nominal maximum size of coarse aggregates used in production of paver blocks shall be 12 mm.

**1.2.      Fine Aggregates**

Fine aggregates shall conform to the requirements of IS 383. Both river/quarry sand and stone dust meeting the requirements can be used.

**M-2      Bitumen:**

The bitumen shall be paving bitumen of Penetration Grade VG-30 complying with Indian Standard Specifications for "Paving Bitumen" IS:73 and as per MoRTH specification.

**M-3      Stone Dust:**

This shall be obtained from crushing hard black trap 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 fields test is given as under:

A sample of stone dust to be tested shall be placed without drying in 200 mm measuring cylinder. The quantity if the sample shall be such that it fills the cylinder upto 100 mm mark, the clean water shall be added upto 150 mm mark. The mixture shall be stirred vigorously and content allowed to settle for 3 hours.

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 containing more than 8% silt shall be washed so as to bring the content within the allowable limit.

The fitness nodules of stone dust shall not be less than 1.80

**M-4 Stone Grit:**

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 IS 383 (Latest Edition). Unless special stone of particular quarries 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.

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

I.S. Sieve Designation	Percentage passing through sieve	IS Sieve Designation	percentage passing through sieve
12.50 mm	100%	4.75 mm	0-20%
10.00 mm	85-100%	2.36 mm	0-25%

The necessary tests for grit shall be carried out as per the requirements of I S 2386 (Part I to VIII) Latest edition as per instruction of engineer-in-charge. The necessity of test will be decided by the engineer-in-charge.

Asst.Engineer  
Rajkot Muni. Corporation

Dy.Ex.Engineer  
Rajkot Muni. Corporation

Addl. City Engineer  
Rajkot Muni. Corporation

Signature of Contractor.

## **DETAILED TECHNICAL SPECIFICATIONS**

### **Item No.1**

**Excavation of Foundation in Soft Murrum, Soil or Sand from 0.00 mtr. to 1.50 mtr depth including lifting and laying in designated area as instructed**

### **Item No.2**

**Excavation of Foundation in Soft Murrum, Soil or Sand from 1.51 mtr. to 3.0 mtr depth including lifting and laying in designated area as instructed**

### **Item No.3**

**Excavation of Foundation in Soft Rock from 0.0 mtr. to 1.50 mtr depth including lifting and laying in designated area as instructed**

### **Item No.4**

**Excavation of Foundation in Soft Rock from 1.51 mtr. to 3.00 mtr depth including lifting and laying in designated area as instructed**

### **Item No.5**

**Excavation of Foundation in Hard Rock with Breaker / Blasting / Gann from 1.51 mtr. to 3.0 mtr depth including lifting and laying in designated area as instructed**

#### **1.0 General:**

**1.1** Any soil which generally yields to the application of the pickaxes and shovels, phawaras rakes or any such ordinary excavation implement or organic soil, gravel, slit, sand turf lawn, clay, peat etc. fall under this category.

#### **2.0 Cleaning the site:**

**2.1** The site on which the structure is to be built shall be cleared, and all obstructions, loose stone, materials and rubbish of all kind, bush, wood and trees shall be removed as directed. The materials so obtain shall be property of the government and shall be conveyed and stacked as directed within RMC limit. The roots of the tree coming in the sides shall be cut and coated with a asphalt.

**2.2** The rate of site clearance is deemed to be included in the rate of earth work for which no extra will be paid.

#### **3.0 Setting out:**

After clearing the site, the center lines will be given by the engineer-in-charge. The contractor shall assume full responsibility for alignment, elevation and dimension and of each and all parts of the work. Contractor shall supply labors, materials, etc required for setting out the reference marks and bench marks and shall maintain them as long as required and directed.

#### **4.0 Excavation:**

The excavation in foundation shall be carried out in true line and level and shall have the width and depth as shown in the drawings or as directed. The contractor shall do the necessary shoring and strutting or providing necessary slopes to a safe angle, at his own cost. The bottom of the excavated area shall be leveled both longitudinally and transversely as directed by removing and watering as required. No earth filling will be allowed for bringing it to level, if by mistake or any other reason excavation is made deeper or wider than that shown on the plan or directed. The extra depth or width shall be made up with concrete of same proportion as specified for the foundation concrete at the cost of the contractor. The excavation upto 1.5 mt depth shall be measured under this item.

**Mode of Measurement and Payment:**

The measurement of excavation in trenches for foundation shall be made according to the sections of trenches shown on the drawing or as per sections given by the engineer-in-charge. No payment shall be made for surplus excavation made in excess of above requirement or due to stopping and sloping back as found necessary on account of conditions of soil and requirements of safety.

The rate shall be for a unit of one cubic Meter.

**Item No.6****Removal of Excavated Stuff and Laying within the sites specified in Notification as directed by Engineer-in-Charge**

After Refilling the pipe / chamber trenches by the excavated stuff is 15 cm thick layer, including ramming, watering and consolidating up to possible extent as specified in excavation & refilling item, the surplus stuff shall be disposed off at the following sites as directed within the prescribed limits of Notification as directed by the engineering in charge.

1. Beside Kotharia Police Station near Stone Quarry
2. All Quarry areas of Raiya Smart City

The excavated material of black cotton soil and other useful materials should be stacked at the location specified by the engineer in charge at no extra cost.

If the contractor fails to dispose the excavated stuff as specified, penalty will be imposed by Rajkot Municipal Corporation as per the Notification for C&D waste,

After refilling surplus earth shall have to carted by the contractor within specified limit including loading transporting unloading spreading

**Mode Of Measurement And Payment:**

The rate shall be per Cubic Meter of truck-body basis.

**Item No.7****A) Supplying of hard murrum binding material.****B) Spreading bindage or road crust filling the gaps in metal and leveling to camber and gradient and directed murrum.**

- A) Material for the purpose shall be approved quality. Any material which is found inferior shall be rejected and contractor shall remove such rejected material from the site at his own cost.

The material shall be got approved by the City Engineer prior to collection on the site. It shall be free from all rubbish, dust and any organic materials as well as clouds of black cotton soils.

For road work, complete stocking of materials as per requirements shall be carried out 200 m length or as per condition of site or as per instructions of site incharge before spreading. The stacks of materials shall be got cross checked by Dy.Ex.Engineer as per rules before spreading.

Where any doubt exists as whether quantity of stacking of murrum corrected by contractor, no extra payment shall be claimed by contractor. If the quantity of murrum in any stack found less than standard measurement viz; 1.5 cmt. The entire shall be paid on the basis of the quantity so found.

The payment shall be on cubic meter basis without deduction for voids. The contractor shall maintain all stacks in regular and proper size till whole material shall not measure and finally accepted by the department.



The rates includes cost of collection, conveyance to the site with all lead and lift and filling the boxes including all labours, tools, equipment and other expenses. The rates quoted are inclusive of all such tools, duties, royalties, taxes etc.

- B) Spreading of material shall be started after the full supply in particular length is collected, measured and recorded. Permission of Engineer in-charge shall be obtained before spreading. It shall be seen that formation is dressed to required camber and grade. If the murrum is to be spread over the metaled surface then the spreading shall be uniform and as it has to act as binding surface. It shall be used for filling the interstices of metal and forming a smooth running surface as far as possible. Murrum bindage shall be spread evenly with a twisting motion of the baskets. No more murrum shall be used than specified as bindage. The contractor shall do good all unevenness, depression, projection etc. during consolidation work. Rate of these items includes all these operation except consolidation. **Also, the work is to be carried out with Mini Roll / Road Roller / Hand Roll as may be required for the work as per the requirement and instructions of engineer in charge.** The payment shall be made on cubic meter basis.
- The testing of material is to be carried out by the Agency at his own cost.

#### **Item No.8**

**Construction of granular sub-base by providing close graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC and compacting with vibratory roller to achieve the desired density complete (Grade-I)**

The work is to be carried out as per MoRTH Specification Clause No.401.

The material to be used for granular sub base must be confirming to MoRTH and the grade specified with respect to CBR value and the rate should be considered as per Schedule-B. The material used in the design must be used for the construction.

The payment for this item will be made on Cubic Meter basis.

#### **Item No.9**

**Construction of granular sub-base by providing close graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC and compacting with vibratory roller to achieve the desired density complete (Grade-III)**

The work is to be carried out as per MoRTH Specification Clause No.401.

The material to be used for granular sub base must be confirming to MoRTH and the grade specified with respect to CBR value and the rate should be considered as per Schedule-B. The material used in the design must be used for the construction.

The payment for this item will be made on Cubic Meter basis.

**Item No.10**

**Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density**

The work is to be carried out as per relevant MoRTH Specification.  
The payment for this item will be made on Cubic Meter basis.

**Item No.11**

**Providing and applying primer coat with bitumen emulsion(slow setting type) on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means.(As Per MoRTH-502)**

The work is to be carried out as per relevant MoRTH Specification.  
The payment for this item will be made on One Square Meter basis.

**Item No.12**

**Providing and laying bituminous lean bound macadam considering 0.66 cum per mt mix materials with machine crushed stone aggregate using 30kg of bitumen per asphalt including mixing the aggregate, heating the asphalt including mixing by continuous batching of batch mix plant and spreading the same by paver finisher and consolidation with power roller including providing all equipments by the contractor**

The work is to be carried out as per relevant MoRTH Specification.  
The payment for this item will be made on One MT basis.

**Item No.13**

**Dense Graded Bituminous Macadam (Grading II- 19 mm normal size) Providing and laying dense graded bituminous macadam with HMP using crushed aggregates of specified grading, premixed with 60/70 Grade bituminous binder @ 4.0 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification complete in all respects.(with Grading 2- 19 mm normal size)**

The work is to be carried out as per relevant MoRTH Specification.  
The payment for this item will be made on One MT basis.

**Item No.14**

**Providing and laying of bituminous concrete with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 5.4 per cent of mix and filter, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects.**

The work is to be carried out as per relevant MoRTH Specification.

The payment for this item will be made on One MT basis.

**Item No.15**

**Thermoplast painting work on Paver Roads size 15-35 cm width including material & labour**

**1.0 Hot Applied Thermoplastic Road Marking****1.1 General :**

- (i) The work under this section consists of marking traffic stripes using a thermoplastic compound meeting the requirements specified herein.
- (ii) The thermoplastic compound shall be screeded /extruded on to the pavement surface in a molten state by suitable machine capable of controlled preparation and laying with surface application of glass beads at a specific rate. Upon cooling to ambient pavement temperature, it shall produce an adherent pavement marking of specified thickness and width and capable of resisting deformation by traffic,
- (iii) The colour of the compound shall be white or yellow (IS colour No. 556) as directed by the Engineer-in-charge.

**2.0 Thermoplastic Material**

**2.0 General :** The thermoplastic material shall be homogeneously composed of aggregate, pigment, resins and glass reflectorizing beads.

**2.1 Requirements :**

- (i) **Composition :** The pigment, beads, and aggregate shall be uniformly dispersed in the resin. The material shall be free from all skins, dirt and foreign objects and shall comply with requirements indicated in Table No.1.

**TABLE No.1 PROPORTIONS OF CONSTITUENTS OF MARKING MATERIAL  
(Percentage by weight)**

<b>Component</b>	<b>White</b>	<b>Yellow</b>
Binder	18.0 min.	18.0 min.
Glass Beads	30-40	30-40
Titanium Dioxide	10.0 min.	—
Calcium Carbonate and Inert Fillers	42.0 max.	See
Yellow Pigments	—	Note

Note : Amount of yellow pigment, calcium carbonate and inert fillers shall be at the option of the manufacturer, provided all other requirements of this Specification are met

- I. **Properties:** The properties of thermoplastic material, when tested in accordance with ASTM D36/BS-3 262-(Part 1), shall be as below:

**a. Luminance :**

White : Daylight luminance at 45 degrees-65 per cent min. as per AASHTO M 249

Yellow: Daylight luminance at 45 degrees-45 per cent min. as per AASHTO M 249

- b.** Drying time : When applied at a temperature specified by the manufacturer and to the required thickness, the material shall set LO bear traffic in not more than 15 minutes.
- c.** Skid resistance : not less than 45 as per BS 6044.
- d.** Cracking resistance at low temperature : The material shall show i-o cracks on application to concrete blocks.
- e.** Softening point :  $102.5 \pm 9.5^\circ \text{C}$  as per ASTM D 36.
- f.** How resistance : Not more than 25 per cent as per AASHTO M 249.
- g.** Yellowness index (for white thermoplastic paint): not more than 0.12 as per AASHTO M 249

- (iii) Storage life : The material shall meet the requirements of these Specifications for a period of one year. The thermoplastic material must also melt uniformly with no evidence of skins or unmelted panicles for the one year storage period.  
Any material not meeting the above requirements shall be replaced by the manufacturer/ supplier/Contractor.
- (iv) Reflectorisation : Shall be achieved by incorporation of beads, the grading and other properties of the beads shall be as specified in Clause 3.
- (v) Marking : Each container of the thermoplastic material shall be clearly and indelibly marked with the following information:  
1. The name, trade mark or other means of identification of manufacturer  
2. Batch number  
3. Date of manufacture  
4. Colour (white or yellow)  
5. Maximum application temperature and maximum safe heating temperature.
- (vi) Sampling and testing: The thermoplastic material shall be sampled and tested in accordance with the appropriate ASTM/BS method. The Contractor shall furnish to the Employer a copy of certified test reports from the manufacturers of the thermoplastic material showing results of all tests specified herein and shall certify that the material meets all requirements of this Specification,

### **3.0 Reflectorising glass beads**

- 3.1. General :** This Specification covers two types of glass beads to be used for the production of reflectories pavement markings.

Type 1 beads are those which are a constituent of the basic thermoplastic compound vide Table-1 and Type 2 beads are those which are to be sprayed on the surface vide Clause 3.

- 3.2.** The glass beads shall be transparent, colourless and free from milkiness, dark particles and excessive air inclusions.

These shall conform to the requirements spelt out in Clause 3

### **3.3. Specific requirements**

- A. Gradation:** The glass beads shall meet the gradation requirements for the two types as given in Table-2.

**Table-2 GRADATION REQUIREMENTS FOR GLASS BEADS**

Sieve Size	Per cent retained	
	Type 1	Type 2
1.18 mm	0 to 3	
850 micron	5 to 20	0 to 05
600 -do-	--	5 to 20
425 -do-	65 to 95	--
300 -do-	--	30 to 75
ISO -do-	0 to 10	10 to 30
below 180 micron	--	0 to 15

**B. Roundness:** The glass beads shall have a minimum of 70 per cent true spheres.

**C. Refractive index:** The glass beads shall have a minimum refractive index of 1.50.

**D. Free flowing properties :** The glass beads shall be free of hard lumps and clusters and shall dispense readily under any conditions suitable for paint striping. They shall pass the free flow-test.

**3.4. Test methods:** The specific requirements shall be tested with the following methods:

- (i) Free-flow test- Spread 100 grams of beads evenly in a 100 mm diameter glass dish. Place the dish in a 250 mm inside diameter desiccator which is filled within 25 mm of the top of a desiccator plate with sulphuric acid water solution (specific gravity 1.10). Cover the desiccator and let it stand for 4 hours at 20 to 29 degree C. Remove sample from desiccator, transfer beads to a pan and inspect for lumps or clusters. Then pour beads into a clean, dry glass funnel having a 100 mm stem and 6 mm orifice. If necessary, initiate flow by lightly tapping the funnel. The glass spheres shall be essentially free of lumps and clusters and shall flow freely through the funnel.
- (ii) The requirements of gradation, roundness and refractive index of glass beads and the amount of glass beads in the compound shall be tested as per BS 6088 and BS 3262 (Part I).
- (iii) The Contractor shall furnish to the Employer a copy of certified test reports from the manufacturer of glass beads obtained from a reputed laboratory showing results of all tests specified herein and shall certify that the material meets all requirements of this Specification. However, if so required, these tests may be carried out as directed by the Engineer.

#### **4. Application properties of thermoplastic material**

**4.1.** The thermoplastic material shall readily get screeded/extruded at temperatures specified by the manufacturers for respective method of application to produce a film of specified thickness which shall be continuous and uniform in shape having clear and sharp edges.

**4.2.** The material upon heating to application temperatures, shall not exude fumes, which are toxic, obnoxious or injurious to persons or property.

#### **5. Preparation:**

- (i) The material shall be melted in accordance with the manufacturer's instructions in a heater filled with a mechanical stirrer to give a smooth consistency to the thermoplastic material to avoid local overheating. The temperature of the mass shall be within the range specified by the manufacturer, and shall on no account be allowed to exceed the maximum temperature stated by the manufacturer. The

molten material should be used as expeditiously as possible and for thermoplastic material which has natural binders or is otherwise sensitive to prolonged heating, the material shall not be maintained in a molten condition for more than 4 hours.

- (ii) After transfer to the laying equipment, the material shall be maintained within the temperature range specified by the manufacturer for achieving the desired consistency for laying.

## **6. Properties of finished road marking :**

- (a) The stripe shall not be slippery when wet.
- (b) The marking shall not lift from the pavement in freezing weather.
- (c) After application and proper drying, the stripe shall show no appreciable deformation or discolouration under traffic and under road temperatures upto 60°C.
- (d) The marking shall not deteriorate by contact with sodium chloride, calcium chloride or oil drippings from traffic.
- (e) The stripe or marking shall maintain its original dimensions and position. Cold ductility of the material shall be such as to permit normal movement with the road surface without chopping or cracking.
- (f) The colour of yellow marking shall conform to IS Colour No. 356 as given in IS: 164.

## **7. Reflectorised Paint**

Reflectorised paint, if used, shall conform to the Specification by the manufacturers and approved by the Engineer. Reflectorising glass beads for reflectorising paints where used shall conform to the requirement of Clause 3.

## **8 Application**

- 8.1.** Marking shall be done by machine. For locations where painting cannot be done by machine, approved manual methods shall be used with prior approval of the Engineer. The Contractor shall maintain control over traffic while painting operations are in progress so as to cause minimum inconvenience to traffic compatible with protecting the workmen.
- 8.2.** The thermoplastic material shall be applied hot either by screeding or extrusion process. After transfer to the laying apparatus, the material shall be laid at a temperature within the range specified by the manufacturer for the particular method of laying being used. The paint shall be applied using a screed or extrusion machine.
- 8.3.** The pavement temperature shall not be less than 10°C during application. All surfaces to be marked shall be thoroughly cleaned of all dust, dirt, grease, oil and all other foreign matter before application of the paint.

The material, when formed into traffic stripes, must be readily renewable by placing an overlay of new material directly over an old line of compatible material. Such new material shall so bond itself to the old line that no splitting or separation takes place.

Thermoplastic paint shall be applied in intermittent or continuous lines of uniform thickness of at least 2.5 mm unless specified otherwise. Where arrows or letters are to be provided, thermoplastic compound may be hand-sprayed. In addition to the beads included in the material, a further quantity of glass beads of Type 2, conforming to the above noted Specification shall be sprayed uniformly into a mono-layer on to the hot paint line in quick succession of the paint spraying operation. The glass beads shall be applied at the rate of 250 grams per square metre area.

**8.4.** The minimum thickness specified is exclusive of surface applied glass beads. The method of thickness measurement shall be in accordance with Appendices B and C of BS - 3262 (Part 3).

**8.5.** The finished lines shall be free from ruggedness on sides and ends and be parallel to the general alignment of the carriageway. The upper surface of the lines shall be level, uniform and free from streaks

**Special Note:**

- 1 Contractor Shall have to Submit the manufacture test certificate of retro reflective sheet before Starting the work at no Extra cost
- 2 Contractor Shall have to Submit the test report of retro reflective sheet from Govt. approved Laboratory testing of sheeting at no extra cost before producing First R.A bill and then after on end when asked by RMC. The contractor shall not be paid extra for same.
- 3 Contractor shall have to submit the filled form as mentioned below in Soft (Signed & Scanned) and two hard copies

**USAGE CONFORMANCE CERTIFICATE**

**CLIENT NAME**\_\_\_\_\_

**CONVERTER NAME**\_\_\_\_\_

**CONTRACTOR NAME**\_\_\_\_\_

**WORK ORDER DETAILS**\_\_\_\_\_

Details of the bollard fixing work is carried out using Name of Manufacturer

Sr no.	Type of work with location	size	Qty	Remarks

Certified that the bollard fixing work have been manufactured using Brand Name of (According to ASTM D 4956-09 TYPE XI) and are covered by

the Warranty No.....  
which will be expired on dated.....

Dated.....

Name of Manufacturer

Name of Converter

Authorized Signatory

Authorized Signatory

## 9. Measurements for Payment

9.1. The painted markings shall be measured in **sq. metres** of actual area marked (excluding the gaps, if any).

## 10. Rate:

The contract unit rate for road markings shall be payment in full compensation for furnishing all labour, material, tools, equipment, including all incidental costs necessary for carrying out the work at the site conforming to these specifications complete as per the approved drawing(s) or as directed by the Engineer and all other incidental costs necessary to compensate to complete the work to these specifications.

### Item No.16

#### DISTANCE INFORMATORY SIGNS

**Providing and fixing Distance informatory sign boards made out of 2mm thick alluminium sheet size 180x120cms. rectangle as per the design IRC-67-1977, pre-treated with phospheting process and acid etching, coated with one coat of epoxy primer and two coats of best quality epoxy paint, reflectorised with retro sheeting as per latest MOST specifications, letters and numerals should be as per I.R.C.-30-1968, 3.1m long (2-Nos.) Stand Post and frame may be fabricated either from iron angle of 50x50x5mm, 75 x 75 x 6mm as required, painted with best quality epoxy coatings in black and white bends. The fixing at site shall be in 1:2:4 C.C. blocks of size 45 x 45 x 60cms. For each leg including excavation, curing etc. complete under the supervision of the Engineer-in-charge. (High Intensity Grade) (R&B SOR P.195/I.No.26099B)**

Payment will be made on one number basis.

### Item No.17

#### VILLAGE NAME BOARDS

**Providing and fixing road sign boards made out of 2mm alluminium sheet size 90x60cms. rectangle as per the design of TRC-67-1977. Preptreated with phospheting process and acid etching, coated with one coat of epoxy primer and two coats of best quality epoxy paint, reflectorised with retro-reflective sheeting as per latest M.O.S.T. specifications, Letters and numerals should be as per I.R.C. 30-1968, 3.10m long (2-Nos.) stand post and frame, fabricated from suitable size iron angle of 50 x 50 x 5mm, painted with best quality epoxy coatings in black and white bends. The details of symbol or inscription/numerals for each board shall be as per the instructions of Engineer-in-charge. The fixing at site shall be in 1:2:4 C.C. block of size 45 x 45 x 60cms. for each leg including excavation, curing etc. complete under the supervision of the Engineer-in-charge. (High Intensity Grade) (R&B SOR P. 197/I.No.26101B)**

Payment will be made on one number basis.



**Item No.18**

**Route sign BOARDS Providing & fixing route sign boards made out of 2mm alluminium sheet size 60x45 cms. Rectangle plus 30x25 cms. Additional plate as per the attached drawing (IRC). Pre treated with phosphating process and acid etching coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro sheeting as per latest MOST specification 3.1M long stand post and frame fabricated from iron angle of 35x35x3mm 75x75x6 mm as required painted with best quality epoxy coatings in black and white bends. The details of numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 C.C. block of size 45x45x60 cms for each leg including excavation, curing etc. complete under the supervision of the Engineer-in-charge. (High Intensity Grade) (R&B SOR P. 202/I.No.26108B)**

Payment will be made on one number basis.

**Item No.19**

**PLACE IDENTIFICATION SIGN BOARDS Providing and fixing Place identification boards made out of 2mm alluminium sheet size 150 x 190cms. rectangle as per the design of IRC 67-1977 pre treated with phosphating process & acid etching coated with one coat of epoxy primer and coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest MOST specifications, Letters and numerals should be as per I.R.C. 30-1968, letters and numerals be as per IRC-30-1968, 3.10m long (2-Nos.) stand post and frame, fabricated from suitable size iron angle of 50 x 50 x 5mm, 75 x 75 x 6 cms. As required, painted with best quality epoxy coatings in black and white bends. The details of symbol or inscription/numerals for each board shall be as per the instructions of Engineer-in-charge. The fixing at site shall be in 1:2:4 C.C. block of size 45 x 45 x 60cms. for each leg including excavation, curing etc. complete under the supervision of the Engineer-in-charge. (High Intensity Grade) (R&B SOR P.196 I No.26100B)**

Payment will be made on one number basis.

**Item No.20****DIRECTION SIGN BOARDS (JUNCTION BOARDS)**

**Providing and fixing Direction sign boards made out of 2mm alluminium sheet size 244x122cms. rectangle as per the design of IRC-67-1977. Pre treated with phosphating process and acid etching, coated with one coat of epoxy primer and two coats of best quality epoxy paint, reflectorised with retro-reflective sheeting as per latest M.O.S.T. specifications, Letters and numerals should be as per I.R.C. 30-1968, 3.10m long (2-Nos.) stand post and frame, fabricated from suitable size iron angle of 50 x 50 x 5mm, 75 x75 x 6cms as (High Intensity Grade) (R&B SOR P.194/I.No.26098B)**

Payment will be made on one number basis.

**Item No.21**

**Give Way Sign board Providing & fixing Give Way Sign boards made out of 2mm alluminium sheet size 90x90x90 cms. Equilateral triangle (inverted) as per the design of IRC 67-1977. Pre treated with phosphating process and acid etching, coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest MOST Specification, 3.1M Long stand post and frame fabricated from suitable size iron angle of 35x35x3 MM, 75x75x6mm as required, painted with best quality epoxy coatings in black and white bends. The fixing at site shall be in 1:2:4 C.C. block of size 45x45x60 cms. For each leg including excavation, curing etc. comp. under the supervision of Engineer-in-charge (High Intensity Grade) (R&B SOR P. 194/I.No.26097B)**

Payment will be made on one number basis.

**Item No.22**

**Informatory Sign board Providing & fixing Informatory Sign boards made out of 2mm alluminium sheet size 80x60 cms. rectangle as per the design of IRC 67-1977. Pre treated with phosphating process and acid etching, coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest MOST Specification, 3.1M Long stand post and frame fabricated from suitable size iron angle of 35x35x3 MM, 75x75x6mm as required, painted with best quality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 C.C. block of size 45x45x60 cms. For each leg including excavation, curing etc. comp. under the supervision of Engineer-in-charge (High Intensity Grade) (R&B SOR P.191/I.No.26093B)**

Payment will be made on one number basis.

**Item No.23**

**Cautionary Sign board Providing & fixing Cautionary Sign boards made out of 2mm alluminium sheet size 90x90x90 cms. Equilateral triangle as per the design of IRC 67-1977. Pre treated with phosphating process and acid etching, coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest MOST Specification, 3.1M Long stand post and frame fabricated from suitable size iron angle of 35x35x3 MM, 75x75x6mm as required, painted with best quality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 C.C. block of size 45x45x60 cms. For each leg including excavation, curing etc. comp. under the supervision of Engineer-in-charge (High Intensity Grade) (R&B SOR P.190/I.No.26092B)**

Payment will be made on one number basis.

**Item No.24**

**Hazard Marker sign board Providing & fixing Hazard Marker Sign boards made out of 2mm alluminium sheet size 90x30 cms. rectangle as per the design / drawing attached (IRC). Pre treated with phospheting process and acid etching, coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest MOST Specification, 3.1M Long stand post and frame fabricated from suitable size iron angle of 35x35x3 MM, 75x75x6mm as required, painted with best quality epoxy coatings in black and white bends. The fixing at site shall be in 1:2:4 C.C. block of size 45x45x60 cms. For each leg including excavation, curing etc. comp. under the supervision of Engineer-in-charge (High Intensity Grade) (R&B SOR P.198/I.No.26102B)**

Payment will be made on one number basis.

**Item No.25**

**Providing and fixing ordinary kilometer stone of precast C.C. 1:2:4 including necessary reinforcement as per IRC type design in C.C. 1:4:8 including letter and paints etc. complete. (R&B SOR 183/I.26048)**

Payment will be made on one number basis.

**Item No.26**

**Providing and fixing 5th kilometer stone of precast C.C. 1:2:4 including necessary reinforcement as per IRC type design in C.C. 1:4:8 including letter and paints etc. complete. (R&B SOR 184/I.26050)**

Payment will be made on one number basis.

**Item No.27**

**Providing and fixing Hectometer as per I.R.C type design including painting, lettering etc. complete (fixing in C.C) (R&B SOR 183/I. 26044B)**

Payment will be made on one number basis.

**Item No.28**

**Providing and fixing Guard Stone as per I.R.C type design including White washing etc. complete (fixing in C.C) (R&B SOR 183/I. 26045B)**

Payment will be made on one number basis.

**Item No.29**

**Providing and fixing Indicator stone of approved stone as per I.R.C type design in C.C 1:4:8 including white washing etc. complete. (fixing in C.C 1:5:10) (R&B SOR 184/I. 26053B)**

Payment will be made on one number basis.

**Item No.30****Supply & Fixing of center Cat-eye**

Providing and fixing cats eye / pavement marker (M.M.C. Nail less) made out of acrylic strene-acrilimistrare or Hi-impact polystyrene fitted with moulded of methacrylate (MMC) reflector CUBE CORNER REFLECTOR DESIGN, FILLED WITH TIGHTLY ADHERING POTTING COMPOUND AS PER ASTM D-788 size 11.5 cms x 7 cms x 1.6 cms or 10 cms x 10 cms x 1.75 cms provided with bituminous adhesive in sufficient quantity with each unit for fixing. No noil should be allowed for fixing. Reflectors on both sides minimum reflective are 12.90 sq.cms on each face. (Compressive strength 13 Tonnes at 23°C temperature and double side lenses).

Payment will be made on one number basis.

**Item No.31**

**Providing and laying rubble stone pitchin 22.5 cm thick including preparing the surface and providing penel wall for pitching 3.0x3.0 m cement 1;2:4 including pointing on pitching in CM 1:3 imcluding curing cost of all material and labar AS PER RA**

Payment will be made on one number basis.

**Item No.32**

**Rolling work with Roller 8-10 Ton capacity over metalling murrumfor soling or single layer arriving proper compaction (with watering)**

Immediately following the spreading of the coarse aggregates rolling shall be started with three wheeled roller of 8 to 10 tonne capacity. The rolling watering includes of work for two separate metalling layer.

Except on super elevated portions where the rolling shall proceed from inner edge to outer, rolling shall from the edges gradually progressing towards the center. First the edges shall be compacted with roller running forward and backward. The roller shall then more inwards parallel to center line of the road in successive passes uniformly lapping preceding tracks by at least one half the width. The total work includes four times of rolling-watering in two layers of metalling.

Rolling shall continue until the aggregate is thoroughly keyed and creeping of the aggregate ahead of the roller is no longer visible.

The rolled surface shall be checked transversely and longitudinally with templates and any irregularities corrected by loosening the surface, adding or removing necessary amount of aggregate and rolling until the entire surface conforms to desired camber and grade.

The bindage material where it is to be used shall be applied successively in two or more than layers of a slow and uniform rate after each application, the surface shall be copiously sprinkled with water, which water shall be applied to the wheels of rollers if necessary to wash down the binding material sticking to them. These operations shall continue until the resulting slurry after filling of voids forms a wave ahead of the moving roller.

After the final compaction of water bound macadam course, the load shall be allowed to any overnight. Next morning hungry spots shall be filled with screenings of binding materials as directed lightly sprinkled with water if necessary and rolled.

Payment will be made at Rs.7.50 per square meter basis of the finished work for single layer and shall include water, rent of machinery, cost of fuel, wages of drivers and cleaners and murrum bund etc. for both.

#### **Item No.33**

**Pro. Supply, Lowering, Laying & Jointing ISI marked R.C.C. pipes NP-3 class for Incoming and By-pass sewer line of 300 mm dia with socket and spigot with rubber ring joints including all taxes, insurances, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance, stacking etc complete (Is :458-2003)**

#### **Item No.34**

**Pro. Supply, Lowering, Laying & Jointing ISI marked R.C.C. pipes NP-3 class for Incoming and By-pass sewer line of 450 mm dia with socket and spigot with rubber ring joints including all taxes, insurances, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance, stacking etc complete (Is :458-2003)**

The pipes shall confirm to IS 458-1988 or the latest revision of IS specifications for concrete pipes. Pipes of all required diameters as per the relevant IS Code of practice. Manufacturer shall give all the required tests of RCC pipes and all the testing facilities shall be kept open for RMC Officers / Engineer-in-charge at his factory.

#### **Lowering, Laying and Jointing of Pipes:**

Contractor to obtain permission before laying pipe, concrete or construction of masonry.

When any portion of the excavation shall have been carried out to the necessary depth, the contractor shall obtain permission of the engineer-in-charge before commencing the work of laying of pipes or concrete or the construction of masonry.

#### **Handling of Pipes:**

At every point of loading or unloading, pipes or fittings shall be handled by approved lifting tackle. Unloading by rolling down planks or any other form of inclined ramp shall not be allowed unless the written approval of the engineer-in-charge is obtained regarding the same. Pipes shall be carefully stacked on site with timber packing under and between the pipes without causing nuisance or obstruction to traffic of walkway.

#### **Jointing of RCC pipe with Collar Joint:**

In general, the jointing shall be carried out as per I S 783-1967 or its latest version (code of practice for laying of concrete pipes). The RCC pipes shall be carefully laid in position over the concrete bedding or over the firm ground as specified.

The collar shall then be placed symmetrically over the end of the two pipes and the space between the inside of the collar and the outside of the pipe filled with a mixture of cement and sand 1:1 proportion dampened with just sufficient water to have consistency of the semi-dry condition well packed and thoroughly rammed with

caulking tools. The joints shall be finished with a fillet sloping at 45° to the line of the pipe and the finished joints shall be protected and cured for at least seven days.

**All works to be Water Tight:**

The drains, manholes and all joints of pipes shall be made thoroughly sound and water tight and any joint which may be observed to be leaky at any time during the progress of the works or during the contractor's subsequent period of maintenance shall be immediately made good by the contractor at his own cost. The contractor at his own cost shall have to carry out satisfactory flow test as directed by the Engineer-In-Charge. In case of any dispute in this regard, the decision of Engineer-In-Charge shall be final and binding to the contractor.

**Inspection of joints:**

After the joints of any pipes in under ground work have thoroughly set the Engineer-in-charge (or any person whom he may appoint) may inspect the joints and if he has any doubt as to their soundness he may request the contractor to open out and clean the cement. Contractor shall not be required to open more than one joint in 20 M of pipe. However, if the defect is found, the Engineer-in-charge may direct him to open as many joints as he may deem necessary.

**Cleansing of the pipes:**

As soon as a stretch of pipeline whether of stoneware or cast iron or RCC pipes has been completed between two manhole, the contractor shall run through the pipes both backwards and forwards a double disc / solid / closed cylinder 75mm less in dia, than the internal dia of the pipes wherever required and suggested by the Engineer-In-

Charge. The open end should be closed as may be directed by the Engineer-in-charge to prevent, entry of mud or silt etc. If as a result of the removal of any obstruction in the pipe line the Engineer-in-charge considers that damages may have been caused to the pipeline, he shall be competent to order the length to be tested at the expense of the contractor. Should such retest prove unsatisfactory the Contractor shall at his own expense amend the work and carry out such further tests as may be required by the Engineer-in-charge. It shall also be ascertained by the Contractor that each stretch from manhole to manhole is absolutely clean and without any obstruction by means of visual examination of the interior of the pipeline suitably illuminated by projecting sunlight or artificial light.

**Cracks in Pipes:**

In the event of pipes being cracked after being properly laid either due to improper loads having been encountered or the material of refilling having been improperly selected or because of any other cause, the Contractor in every case shall be held responsible and will be called upon to replace such cracked pipes at his own cost during the expiration of period of maintenance.

Any pipe or length of pipes found to be defective shall be immediately removed and replaced at the Contractor's expense and leaking joints shall be remade. The inspections and tests shall then be repeated as often as necessary until the whole line under inspection or tests is accepted by the Engineer-in-charge.

**All works to be clear, clean and perfect:**

The contractor shall after completion or whenever required by the Engineer-in-charge, prove all pipes and fittings to be clear and perfect, for this purpose he shall at his own expense and in the presence of the Engineer-in-charge or his appointee, provide suitable instruments and appliances and pass them through the pipes and if required shall pass water and show that it passes freely through every portion of the work. Brick mortar and rubbish shall not be allowed to fall into

the manholes of sewer lines while fixing or if fallen shall be removed by the Contractor at his own expense.

**Pipe entering and leaving manholes :**

Whenever a pipe enters or leaves manhole, the ends of all pipes shall be properly built-in and neatly finished with cement mortar. The pipe projections are to be cut so that the ends are flush with plastered surface of the manhole, nothing extra shall be paid for this. The rate of pipe laying include this work also.

**Fittings:**

The terms fittings as used in this specification is intended to apply to any and every article used in combination with straight pipe itself.

In the areas subject to subsidence, the pipe sewer should be laid on suitable supports or concrete cradle supported on piles.

**Measurement of pipe lines:**

- (a) All pipelines shall be measured according to the work actually done and no allowance shall be made for sockets and any wastage in cutting to the exact length required. A bend, junction, or any other piece of fitting which may have necessarily been out for the exigencies of the work will be taken into account as if whole, provided that the cutting has been done properly and that portion used in the work is sound. This clause shall not apply to a straight pipe under any circumstances. In measuring the lengths of pipes laid, deductions shall be made for the lengths of channels between the inside faces of the walls of manholes.
- (b) Payment for providing, supplying, lowering, laying, jointing and testing of R.C.C. and SWG pipes shall be made as under:
  - (b1) Payment for providing and supplying of R.C.C. and SWG pipes.
    - (i) 80% payment of pipes supply item shall be paid after supply of pipes as per specifications at site of work. The payment for supply of pipes will at any time be limited to a maximum up to 10% length of total length of item of respective diameter in e-Tender schedule- B.
    - (ii) 10% payment of pipes supply item shall be paid after satisfactory lowering, laying and jointing of pipes.
    - (iii) Remaining 10% payment of pipes supply item shall be paid after satisfactory flow test.
  - (b2) Payment for lowering, laying, jointing and testing of R.C.C. and SWG pipes.
    - (i) 90% payment of lowering, laying jointing and testing item of pipes shall be paid after lowering, laying and jointing pipes as per specifications.
    - (ii) Remaining 10% payment shall be paid after satisfactory flow test.
- (c) For providing, lowering, laying, jointing and testing work, payment shall be made only for completed section between manhole to manhole. No payment shall be made for incomplete sections.

The rate shall be for a unit of one running meter basis.

**Item No.35****Fixing of CC Precast Road Divider stone 0.50 x 0.35 x 0.18 cm including required material and labour (without colour)**

The road divider stone of said size shall have to be provided as per requirement and instructions of engineer in charge.

Required excavation work shall be carried out by the agency on the paver road or conventional asphalt road as per depth and width as directed by Dy.Executive Engineer.

The excavated stuff shall be disposed off as directed by the site incharge.

Lime mortar of 2 part lime and 3 part of sand shall be well mixed and laid in 50 mm thickness and C C precast blocks shall be laid as per proper alignment keeping in mind the projection of tiles laying bed in the inner side of the block.

Cement mortar of 1:2 is required to be used for 18 mm vatta and aesthetic groove shall be made as directed between the two blocks with proper vatta along with cement paste with required tamping etc complete as directed by Dy.Executive Engineer.

75 mm x 75 mm triangular shaped lodhiya shall be casted with 1:2:4 cement concrete on both outer side of the block.

The portion between the two blocks below the tile flooring level shall be filled with quality hard murrum and shall be watered for achieving proper compaction as directed and shall be tampered properly.

The material is required to purchased from the open market as per quality requirement then the same shall have to be got approved from the Engineer-in-charge prior to using the material for the work. Excavated stuff shall be removed and spread within within RMC limit as directed and no extra cost will be given.

The testing of road divider stone shall have to be carried out at the Government approved Laboratory at contractor's own cost.

Mode of measurement shall be as per unit of one number of divider block.

**Item No.36****Plastic Emulsion paint (two coats) (Asian Paint, ICI, Dulux, Nerolac, Berger, etc. of approved type (with prime coat):****Materials:**

The enamel paint shall satisfy in general requirements in specifications of oil paints. Enamel paint shall confirm to I S Latest edition.

**Workmanship:**

The materials required for work of painting work shall be obtained directly from approved manufacturer or approved dealer and brought to the site in maker's drum, bags etc. with seal unbroken.

All materials not in actual use shall be kept properly protected, lids of containers shall be kept closed and surface of paint in open or partially open containers covered with a thin layer of turpentine to prevent formation of skin. The materials which have become state or flat due to improper and long storage shall not be used. The paint shall be stirred thoroughly in its container before pouring into small containers. While applying also, the paint shall be continuously stirred in smaller container. No left over paint shall be put back into store tins. When not in use, the containers shall be kept properly closed.



If for any reasons, thinning is necessary, the brand of thinner recommended by the manufacturer shall be used.

The surface to be painted shall be thoroughly cleaned and dusted. All rust, dirt and grease shall be thoroughly removed before painting is started. No painting on exterior or other exposed parts of the work shall be carried out in wet, damp or otherwise unfavourable weather and all the surfaces shall be thoroughly dry before painting work is started.

**Application of paint:**

Brushing operations are to be adjusted to the spreading capacity advised by the manufacturer of particular paint. The paint shall be applied evenly and smoothly by means of crossing and laying off. the crossing and laying of consists of covering the area over with paint, brushing the surface hard for the first time over and then brushing alternately in opposite directions two or three times and then finally brushing lightly in a direction at right angels to the same. In this process, no brush marks shall be left after the laying off is finished. The full process of crossing and laying of will constitute one coat.

Each coat shall be allowed to dry completely and lightly rubbed with very fine grade of san paper and loose particles brushed off before next coat is applied. Each coat shall vary slightly in shade and shall be got approved from the engineer-in-charge before next coat is started.

Each coat except the last coat shall be lightly rubbed down with sand paper of fine pumice stone and cleared of dust before the next coat is applied. No hair marks from the brush or clogging of paint puddles in the corners of panels, angles of moulding etc. shall be left on the work.

Special care shall be taken while painting over bolts, nuts, rivets, overlaps etc. Approved best quality brushes shall be used.

**Mode of measurement and payment:**

The new steel and other metal surface shall be measured under this item. All the work shall be measured net in the decimal system as executed subject to the following limits unless otherwise stated hereinafter.

- a) Dimensions shall be measured to the nearest 0.01 meter.
- b) Areas shall be worked out to the nearest 0.01 meter.

No deductions shall be made for openings not exceeding 0.5 sq.m. each and no addition shall be made for painting to beddings, moulding, edges, jambs, soffits, sills etc of such opening.

In case of fabricated structural steel and iron work, priming coat of paint shall be included with fabrication. In case of trusses, if measured is sq.m compound griders, stanchions, lattices, girder and similar work, actual are shall be measured and no extra shall be paid for painting on bolts heads, nuts, washers etc. No addition shall be made to the weight calculated for the purpose of measurements of steel and iron works for paint applied on shop or at site.

The different surfaces shall be grouped into one general item, areas of uneven surfaces being converted into equivalent plain areas in accordance with the table given as per Annexure-II for payment.

The rate is including priming coat.

The rate shall be for a unit of one square meter.

**Item No.37**

**providing and laying asphalt painting on B.T surface with bitumen grade VG - 30 of 5kg/10 sq.mt**

The work is to be carried out as per MoRTH Specification.

The payment for this item will be made on one square meter basis.

**Item No.38:**

**Dismantling of RCC work and disposing it in designated area as directed by engineer in charge.**

1. The work shall consist of removing, as herein after set forth; existing culverts, bridges, pavement, kerbs and other structures like guards-rails, fences, utility poles, manholes, catch basins, inlets, etc. Which are in place but interfere with the new construction or are not suitable to remain in place and of salvaging and disposing of the resulting materials and back-filling the resulting trenches and pits.
2. Existing culverts, bridges, pavements and other structures which are within the highway and which are designated to be removed, shall be removed up to the limits and extent specified in the drawings or as indicated by the Engineer-in-charge.
3. Dismantling and removal operations shall be carried out with such equipment and in such a manner as to leave undisturbed, adjacent pavement, structures and other work to be left intact.
4. All operations necessary for the removal of any existing structure which might endanger new construction shall be completed prior to the start of new work.
5. The structures shall be dismantled carefully and the resulting materials so removed as not to cause any damage to the serviceable materials to be salvaged, the part of structure to be retained and any other properties or structures nearby.
6. Unless otherwise specified, the superstructure portion of culverts / bridges shall be entirely removed and other parts removed to below the ground level or as necessary depending upon the interference they cause to the new construction. Removal of overlying of adjacent material if required in connection with the dismantling of the structures shall be incidental to this item.
7. Where existing culverts / bridges are to be extended or otherwise incorporated in the new work only such part or parts of the existing structure shall be removed as are necessary to provide a proper connection to the new work. The connecting edges, shall be cut, chipped and trimmed to the required lines and grades without weakening or damaging any part of the structure to be retained. Reinforcing bars which are to be left in place so as to project into new work as dowels or ties shall not be injured during removal of concrete.
8. Pipe culverts shall be carefully removed in such a manner as to avoid damage to the pipes.

9. Steel structures shall unless otherwise provided be carefully dismantled in such a manner as to avoid damage to members thereof. If specified in the drawing or directed by the Engineer-in-charge that structure is to be removed in a condition suitable for re-erection, all members shall be match marked by the contractor with white lead paint before dismantling. End pins, nuts, loose, plates, etc. shall be similarly marked to indicate their proper location. All pins, pin holes and machined surfaces shall be painted with a mixture of white lead and tallow and loose parts shall be securely wired to adjacent members or packed in boxes.
10. Timber structures shall be removed in such a manner as to avoid damages to such timber or lumber as is designated by the Engineer-in-charge to be salvaged.
11. In removing pavements, kerbs, gutters, and other structures, like guard rails, fences, manholes, catch, basins, inlets etc. where portions of the existing construction are to be left in the finished work, the same shall be removed to an existing joint or cut and chipped to a true line with a face perpendicular to the surface of the existing structure. Sufficient removal shall be made to provide for proper grades and corrections with the new work as directed by the Engineer-in-charge.
12. All concrete pavements base course in carriageway and shoulders etc. designated for removal shall be broken to pieces whose volumes shall not be exceed 0.02 cubic meter and, stockpiled at designated locations if the material is to be used later or otherwise arranged for disposal as directed.
13. Where directed by the engineer-in-charge holes and depressions caused by dismantling operations shall be backfilled with excavated or other approved material and thoroughly compacted in line with surrounding area.
14. All materials obtained by dismantling shall be the property of Government. Unless otherwise specified, materials having any salvage value shall be placed in neat stack of like material within the right-of-way as directed by the Engineer-in-charge, for which contractor will remain responsible for its safe custody and preservation for 60 days after recording measurements of the salvaged material.
15. Pipe culverts that are removed shall be cleared and neatly piled on the right-of-way at points designated by the Engineer-in-charge.
16. Structural steel removed from old structure shall, unless otherwise specified or directed be stored in a neat and presentable manner on blocking in locations suitable for loading. Structures or portions thereof which are specified in the contract for re-erections shall be stored in separate piles.
17. Timber of lumber from old structures which is designated by the Engineer-in-charge as materials to be salvaged shall have all nuts and bolts removed from and shall be stored in neat piles in locations suitable for loading.

18. All the products of dismantling operations which in the opinion of the Engineer-in-charge cannot be used or auctioned shall be disposed as directed, within 100 meters.
19. The work of dismantling structure shall be paid for in units indicated below by taking measurement before and after, as applicable;
  - i) Dismantling of RCC work Cubic Meter
20. The contract unit rates for the various items of dismantling shall be for payment in full for carrying out the required operations including full compensation for all labor, materials, tools equipment, safeguard and incidentals necessary to complete the work. These will also include excavation and backfilling where necessary and for handling, salvaging, pilling and disposing of the dismantled material in designated area as directed by engineer in charge.

Asst.Engineer  
Rajkot Muni. Corporation

Dy.Ex.Engineer  
Rajkot Muni. Corporation

Addl. City Engineer  
Rajkot Muni. Corporation

Signature of Contractor:

### ADDITIONAL CONDITIONS

1. The contractor shall have to provide his own level instrument for this work.
2. **Work is required to be carried out in residential / outside area where all the services like water supply, sullage water pipeline, telephone / electric cable are existing. Under the circumstances, prior to starting the work agency shall have to excavate manually wherever for metalling. During the course of execution, all the services shall have to be maintained by the agency and any damage to any services or property, the agency shall have to get it repair at their cost.**
3. For excavation, use of JCB machine will not be permitted directly on the top surface of the road. After excavation upto minimum 1.00 mt. depth from road surface or existing ground level, same shall have to be carried out manually or by using Breaker and after locating underground services like; water supply pipeline, water connection lines, pipe gutters, telephone cables, electric cables etc., and thereafter upon taking the prior approval of the Engineer-In-Charge, the excavation can be carried out by using JCB machine.
4. While the work in progress, there is possibility of change in location according to the conditions. Under these circumstances, the contractor shall have to carry out the work accordingly, for which, no extra payment shall be made in such situations. Over and above, the decision of Engineer-in-charge for change shall be final and binding to the contractor.
5. The quantity of various items mentioned in the schedule-B is liable to increase or decrease. Under the circumstances, the contractor shall have to carry out the work accordingly. Rajkot Municipal Corporation will not entertain any dispute in this regard for any such variable quantities of any amount.
6. In case of any ambiguity found in inspections / drawings, specifications, etc, the decision of engineer-in-charge shall be final and binding to the contractor.
7. Rates quoted in Bill of Quantities to cover everything necessary for complete Execution of work :

The rates quoted will be held to cover everything necessary of the due and complete execution of the work according to the drawings and the several conditions and the stipulations of the contract, including specification, or the evident intent and meaning of all or either of them or according to customary usage and for the periodical and final inspection and test and proof of the work in every respect and for measuring, numbering or weighing the same including setting out and laying or fixing in position and the provision of all materials,

Power, tool rammers, beaters, labour, tackle platforms with impervious lapped joints for scaffolding ranging rods, straight edges, centering and boxes, wedges, moulds, templates, post straight rails, boning-staves, measuring rods, page boards, shores, barriers, fencing, lighting, pumping apparatus, temporary arrangements of passage of traffic, access to premises and continuance of drainage, water supply and lighting (if interrupted by the work) lard temporary sheds and buildings nahanis roofed in or otherwise haulage, painting, varnishing, polishing, establishments for efficient supervision and watching arrangements for the efficient protection of life and property and all requisite plant, implements and appliances every kind, except only such matter and things as it may be distinctly stated here in are to be supplied by the contractors. A rate for anyone description of work is to be held to include such items of other classes of and for these on separate specific charge will be admitted. The contractors shall keep every portion of the work clear of accumulation from time to time and shall leave every portion of the work clean, clear, perfect and at the conclusion of whole, providing at their own cost all such material implement appliances and labour as the Engineer may require to prove if it is to be so.

8. The contractors are particularly directed to observe from the Articles of Agreement and the specifications, what is to be included in their rates for the several portions of the work and also under what conditions payments are to be made.
9. **No extra payment will be made by Rajkot Municipal Corporation for the design to be submitted by contractor, which is to be prepared by License Holder Structural Engineer / Government / Authorized Laboratory.**
10. The contractor shall have to avail P F Code as per the prevailing Circular of Government for the employees on work. The process for preparation of bill will be taken up only after submission of the Challan for the amount of P.F. deposited every month for the employees on work, which will binding to the contractor. The required documents shall have to be submitted every month by the contractor to the competent authority.
11. The contractor shall have to get registered under ESI (Employer's State Insurance) Act and obtain ESI Registration number if the number of workers are 10 Nos. or more. Also, the agency shall have to give all the benefits to the workers as available under the ESI Act. The agency should follow all the rules and regulations of ESI Act as per prevailing norms.
12. **This office Circular bearing No.RMC/C/329 dated 22-12-2012 and Order No.RMC/C/132 dated 10-06-2013 are uploaded separately as a part of tender document.**
13. In reference to the above Circular and Order cited para above, the Contractors/Consultant who have quoted their rates for this work will be called in person for verification of original documents. The date and time for verification of original documents will be as prescribed in the tender document.

14. After issuance of work order for this tender, if the land for work falls under any kind of dispute then Rajkot Municipal Corporation reserves the right to terminate the contract for this work awarded to the contractor or execute part work. The decision of Rajkot Municipal Corporation in this regard will be final and binding to the contractor.
15. After issue of the work order for this tender, If the work is to be executed on Government land and if such land falls under any kind of dispute then Rajkot Municipal Corporation reserves the right to terminate the contract for this work awarded to the contractor and the decision of Rajkot Municipal Corporation will be final and binding to the contractor.
16. Till the Completion Certificate is issued by Rajkot Municipal Corporation, the agency will be the sole responsible for security of material and structure at site.
- 17. The quantities given in the Schedules are provisional. The Rajkot Municipal Corporation reserves the right to increase or decrease the quantity of work or totally omit any item work and the contractor shall not be entitled to claim any extras or damages on the said grounds & he is bound to execute the work as per the instruction of the Engineer-in-charge.**
18. It is further clarified that Performance Guarantee (SD) for extra work will also be recovered @ 10% from the bill of extra work i.e. works beyond tender amount.
19. The bidder must understand clearly that the prices quoted are for the totally works or the part of the total works quoted for and include all costs due to materials, labour, equipments, supervision, other services, and survey and levels and section charts etc., royalties, taxes, duties, etc., and to include all extra to cover the cost. No claim for additional payment beyond the prices quoted will be entertained and the bidder will not be entitled subsequently to make any claim on any ground.
20. Plant must be located within 40 kms from Rajkot city or Agency should establish the Plant within 40 kms from Rajkot city in 15 days after receiving letter of acceptance of the bid.
- 21. Bidder must have two (2) numbers of vibratory rollers on site at the time of execution.**
22. Qualified engineer must be deployed on site and at Plant. The details of qualified engineers are to be given to RMC at the time of bidding of this tender.
23. The whole work shall be executed by qualified Site Engineer. The required L-Section and Cross section is to be prepared by contractor at his own cost. The work should be done by leveling instrument. The Drawings shall be submitted accordingly in advance before starting the work. No extra

payment will be made for the above work. Contractor has to submit hard copy and soft copy of cross section and L-section of work completed as per requirement.

24. The agency to whom the work will be awarded shall have to arrange its own vehicle for to and fro transportation of the staff of Rajkot Municipal Corporation till the work is completed at his own cost.
25. If any sample tested at plant fails in bitumen extraction test, then the whole mix will be rejected and this mix will not be allowed to deliver on site.
26. **Star Rate will be applicable for this tender. Basic rate for bitumen to be considered as considered in new S.O.R. of Rajkot Municipal Corporation and is as given below:**

Sr. No.	Item	Rate (Rs.)
1	Bitumen 60/70	32,580/-

**The Star Rate obtained from any other source will not be acceptable. It is mandatory to quote rates for "Star Rate" as per tender document.**

27. Conditions for variation in rates of asphalt:
  1. This clause shall be operative from the date of issue of work order and up to the expiry of original and extended time limit.
  2. The difference between two actual rate of purchase as per original bill produced and the basic rate for the quantity of asphalt actually used in the work during original or extended time limit only will be paid/ recovered for ACTUAL use of asphalt.
  3. The difference will be payable / recoverable from the date of issue of work order and this price variation will not be subject to any ceiling.
  4. If any delay is caused handing over sites to contractor, due to excavation for providing any utilities or for any other reason, no extra payment or claim or price rise shall be paid to contractor except price variation of basic rate mentioned in the tender.
28. If any irregularities found during laying / after laying of bitumen construction then penalty will be imposed by Engineer-in-charge or any higher officer. If any disputes arise regarding penalty imposed by Engineer-in-charge then the decision of Municipal Commissioner will be final and binding to the agency.
29. For cleaning work in resurfacing & recarpeting; no extra payment will be paid. Where cleaning through mechanical broom is not possible; cleaning should be done as per instructions of engineer-in-charge.
30. **The time limit will remain same as mentioned in the tender document and the work is to be completed accordingly. Monsoon period will be treated as Non-working period from 1st July to 30th September will be excluded from time limit**



31. Tender of such Contractor not having registration in appropriate Class and Category, will be treated as non-responsive. In case of any conflicting provisions between registration of appropriate category and Pre-qualification criteria, the later shall govern the process of bid evaluation.
32. The agency shall have to quote their rates only after visiting the site and looking to the site conditions.
33. **DEFECTS: Date of completion for start of defect liability period for a particular road will be considered as the last date mentioned in the completion of work recorded in Measurement Book. The contractor shall be required to make good all the damages/ defects identified and conveyed to him, during the entire defect liability period of five years. The method and time limit of rectification will be decided by the Engineer in charge. If the contractor fails to carry out rectification as per the instructions, the same will be carried out at his cost and the cost will be recovered from the amount retained.**
34. RMC intends to give single work to the agency. But looking to the availability of bidder & capability of the bidder, RMC may award more than one work. Decision of Municipal Commissioner will remain final in this regard.
35. After laying of Batch Mix Material the field density test must be taken as per MORT&H Specification.
36. The work of laying aggregates mixed with bitumen shall generally start on site of work of only after 8:00 a.m. and shall continue upto 06:00 p.m. hours in winter season and upto 07:30 p.m. hours in summer. However, under Special Circumstances Engineer-in-Charge may ask to carry out work in the Night hours also. No work shall be done except during the period mentioned above and also on Sundays and National Holidays Viz. 26th January, 15th August and 2nd October. As per Government Circular No.SHR/1087/205/(121)/C dt.24/05/1990. The work of laying bituminous surface shall not be carried out after **1st July** (during monsoon period) or onset of monsoon.
37. **Preferably the thickness of structural member i.e. base coat, DBM, etc. and varying coat i.e. SDBC, Seal Coat, etc. should be as specified in tender document / Schedule-B or as per Abstract and Measurement Sheet. But it should not exceed 15% of specified thickness. The excess material laid will be paid at the rate of 70% of that particular item material. Agency has to submit bills with calculations of material consumed in tonnage alongwith thickness and area of paver laid. The agency must stick to the specification and thickness of Basecoat as well as Seal Coat. No extra payment will be made beyond average thickness i.e. excess material laid on site.**

38. The Contractor shall invariably get the job mix formula for the mix approved by the Engineer-in-charge or by TPI agency where applicable before starting of the work and when instructed by engineer-in-charge.
39. GPS tracking system must be installed on every vehicle deployed for transportation of bituminous material. The system should be accessible from RMC office.
40. Camera at plant site should be installed and access to it should be made to RMC. If internet is not accessible at plant site, sincere efforts are to be made for same.
41. Joint venture shall not be allowed under this tender.
42. **During Defect Liability Period, Joint Inspection by agency and concerned staff of RMC will be carried out at every six months interval from the date of the completion of the work and a joint status report for the work inspected must be submitted by the agency.**
43. **If required, the existing road shall have to be widened on both the sides and then the carpeting work shall have to be taken up. The work of road widening is to be carried out in phase manner without disturbing the traffic as per the instructions of engineer in charge. Keeping in mind the use of existing road, all safety measures shall have to be taken.**
44. The site requirement after leveling survey is submitted by the agency. It should be accordingly laid as per instructions of engineer in charge.
45. **The Agency shall have to submit the road thickness crust design based on CBR value done by any Government approved Laboratory before starting the work in case of new road, if required.**
46. The agency to whom the work will be awarded shall have to arrange its own vehicle for to and fro transportation of the staff of Rajkot Municipal Corporation till the work is completed at his own cost. Also, a vehicle / Car shall have to be arranged for site Engineers also.
47. **Tack coat must be sprayed by multi nozzle equipment at uniform rate. A measuring plate will be placed at specific interval to determine the quantity of tack coat used per square meter and payment will be made accordingly. Also, agency has to provide accurate electronic weighing machine having tolerance limit of 1 gm at site.**
48. **If sample falls within lower tolerance limit, proportionate amount for quantity of bitumen will be deducted and if sample fails then the payment for the truck load will not be given.**
49. **The Defect Liability period for this work is 5 (Five) Years. After completion of work, a report at the interval of every six months by way of joint inspection shall have to be submitted to the**

**competent authority. The road which is observed defective / damaged by normal cause during the joint inspection shall have to be repaired/rectified and necessary evidence along with photographs shall also have to be submitted to the competent authority.**

50. **Penalty at the rate of Rs.2000/- each (Manhole / Valve Chamber) will be imposed if the material is found to be spread over on the manhole on the road / valve chamber during the ongoing paver work.**
51. **Penalty will be imposed in following manner if the less amount of tack coat spray is observed during the work:**

<b>Sr. No.</b>	<b>For spraying less amount of tack coat</b>	<b>Penalty</b>
<b>1</b>	<b>Upto 1 Kg</b>	<b>Rs.10/- per Sq.Mt.</b>
<b>2</b>	<b>1 Kg to 2 Kg</b>	<b>Rs.20/- per Sq.Mt.</b>
<b>3</b>	<b>Above 2 Kg</b>	<b>Rs.25/- per Sq.Mt.</b>

52. **For this project works / SJMMSVY Grant / 14th & 15th Finance Commission works, Third Party Inspection (TPI) is mandatory. The TPI agency will be appointed by Rajkot Municipal Corporation and remittance of charges @ 0.70% of contract value for the same is to be borne by the agency, which will be deducted from the contractor's bill.**
53. Rajkot Municipal Corporation at its discretion employs services of PMC / Third party inspection agency for quality control. The contractor shall fulfill the entire requirement related to quality control as instructed by TPI / RMC at no extra cost.
54. **If engineer-in-charge instructs the contracting agency to carry out metal patch work and to execute bituminous patch work then the contracting agency is bound to carry out the work. The decision of engineer-in-charge will be final and binding to the contracting agency.**
55. The agency will have to take precautionary measures during the execution so that the valve chamber cannot clogged
56. RMC will make extra payment as per GC-70 if the use of plastic is to be taken into paver work.
57. If the GPS system is neither installed nor working in the vehicle then RMC will impose penalty of Rs.2000/- per day per trip.

The CCTV Cameras as required and instructed by the competent authority must be installed at plant and weigh bridge as directed by engineer in

charge. If it is observed that the agency has not installed the cameras then penalty of Rs.10,000/- per day will be imposed by RMC.

58. The static roll / Vibratory roll can be used in carrying out the bitumen patch work and the metalling patch work as per the instructions of site engineer.
59. Single nozzle sprayer is permitted only where usage of browser is not feasible.
60. Agency must submit their original Gate Pass with Bill for asphalt. The Agency has to maintain the asphalt Stock Register on Paver Plant site. Bills represented without Gate Pass will not be processed by Rajkot Municipal Corporation.
61. Agency shall have to do the demarcation from the total station survey as well as by marking the level at the interval of appropriate distance and carry out the work as per requirement.
62. Bill for this work for each item will be prepared after taking measurement of through total station. Contractor will have to manage of taking measurement through total station for each item whichever required.
63. The restoration of excavation done shall be carried out for this work immediately as per the instructions of engineer in charge.

Asst.Engineer  
Rajkot Muni. Corporation

Dy.Ex.Engineer  
Rajkot Muni. Corporation

Addl. City Engineer  
Rajkot Muni. Corporation

Signature of Contractor

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

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

Dear Sir,

SUB : **Construction of 30. 00 MT DP ROAD from RMC-RUDA BOUNDARY to morbi bye pass road Connecting AIIMS hospital**

Having visited the site and examined the Bid Documents, Drawings, Conditions of Contract, Specifications, Schedules, Annexures, Preamble to Price Schedules, Price Schedules etc. including Addenda/Amendments to the above, for the execution of the above Contract, we the undersigned offer to carry out as given in Conditions of Contract and in conformity with the Drawings, Conditions of Contract, Specifications, Preamble to Price Schedules, Price Schedules, Annexures, Bidding Documents, including Addenda Nos. \_\_\_\_\_ (insert numbers) for \_\_\_\_\_ %age (in figure) \_\_\_\_\_ (in words)

below / above than the rates given in Price Schedule.

2. I / We agree that

(a) if we fail to provide required facilities to the Employer's representative or any other person/agency by the employer to perform on his behalf for carrying out the inspection and testing of materials and workmanship

or

(b) if we incorporate into the Works, materials before they are tested and approved by the Engineer's representative

or

if we fail to deliver raw water of required quantity according to the conditions/stipulations of the Contract, the Engineer will be at liberty to take any action including termination of Contract and impose at his absolute discretion any penalties, and/or reject the work.

3. We undertake, if our Bid is accepted, to complete and deliver the Works in accordance with the Contract within the prescribed time limit, from the date of Work order issued to us by you.

4. We agree to abide by this Bid for a period of 180 days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiry of that period.

5. In the event of our Bid being accepted, we agree to enter into a formal Contract Agreement with you incorporating the conditions of Contract thereto annexed but until such agreement is prepared this Bid together with your written acceptance thereof shall constitute a binding Contract between us.

6. We agree, if our Bid is accepted, to furnish Performance Bond/Security in the forms and of value specified in the Conditions of Contract of a sum equivalent to 5% of the Contract price for due performance of the Contract.
7. We have independently considered the amounts of liquidated damages shown in Appendix to Bid and agree that they represent a fair estimate of the damages likely to be suffered by you in the event of the Work not being completed by us in time.
8. I/We agree to pay the CGST, SGST, Royalty, Labour Cess, Professional Tax and Other Taxes prevailing from time to time on such items on which the same leviable and the rates quoted by me/us are inclusive of the same.
9. We understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 2021.

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Name of the person)

\_\_\_\_\_  
(In the capacity of)

Company Seal

\_\_\_\_\_  
(Name of firm)

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Witness

Signature \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_

**PREAMBLE TO  
PRICE SCHEDULES**

### **Note on Schedule**

1. The bid is percentage rate bid.
2. The rates and prices shall be submitted in the formats given in the online Price Schedules. Rates and prices received in any other formats will be rejected and the Bids will be disqualified.
3. It will be entirely at the discretion of the Employer to accept or reject the bidder's proposal, without giving any reasons whatsoever.
4. In Price Schedule, bidder shall quote his percentage Equal/Above/Below for items listed in the schedule. Prices quoted in Schedule only will be considered for price evaluation & shall form a part of the Contract Agreement.
5. Only Price Schedule will be considered for financial evaluation of the bid with the successful bidder.
6. The bidder shall be deemed to have allowed in his price for provision, maintenance and final removal of all temporary works of whatsoever nature required for construction including temporary bunds, diverting water, pumping, dewatering etc. for the proper execution of works. The rates shall also be deemed to include any works and setting out that may be required to be carried out for laying out of all the works involved.
7. Where there is a discrepancy between the unit rates and the amount entered, the latter shall govern.
8. The Price Schedules are to be read in conjunction with the Conditions of Contract, the Specifications and other sections of these bid documents and these documents are to be taken as mutually explanatory of one another.
9. Prices quoted by the bidder shall be firm for the entire period of Contract without any escalation.
10. The bidder shall interpret the data furnished and carry out any additional survey work, or investigative work required at his own cost.
11. The prices quoted shall also include the cost of materials utilized for testing.
12. The bidder should acquaint himself with the site conditions including the access to Worksite. The successful bidder shall have to make suitable access to worksites at his own cost. These accesses will be used by the other contractors working for RMC.
13. The material shall be inspected Departmentally, the cost of which, if any, is to be borne by contractor.



- 14. In case of extra item work if quoted and approved tender price is above Percentage Rate then no above percentage rate will be given, only the rates as per S.O.R. will be paid for such extra item. But, if the quoted and approved tender price is below percentage rate then that below percentage rate will be considered for paying of any extra item**

Asst.Engineer  
Rajkot Muni. Corporation

Dy.Ex.Engineer  
Rajkot Muni. Corporation

Addl. City Engineer  
Rajkot Muni. Corporation

Signature of Contractor.

**MORTH SPECIFICATIONS  
(ATTACHED SEPERATELY)**

### **Special Conditions of Contract:**

1. The contractor shall have to depute an qualified Engineer at site for full time till the completion of whole work. The said Engineer shall be experienced in this types of works. No extra payment will be made by Rajkot Municipal Corporation for this.
2. All required leveling shall have to be carried out by the contractor.
3. **The contractor shall have to provide Contour, all detailed drawings with layout, cross sections with technical details etc., to the competent authority first, which Rajkot Municipal Corporation will approve if found suitable and then after only the contractor shall carry out the work accordingly. Cross sections and Longitudinal sections for all roads must be submitted three times; (1) Before starting, (2) After DBM or BM and (3) After completion of work.**
4. The contractor shall have to arrange and provide by carrying out required drainage system, rain water removal, surface water disposal system, water works related services etc. as desired by engineer-in-charge.
5. The contractor shall have to carry out all types of necessary testing of material as per National Standard, the cost of which, is to be borne by the contractor. The testing shall have to be carried out in presence of officials of Rajkot Municipal Corporation.
6. All necessary testing required at site shall have to be carried out by the contractor during the execution of the work.
7. The word "Arbitration" or "Arbitration Clause" wherever mentioned in this tender document, is now to be treated as "Deleted". In this context, an Order bearing No.RMC/Legal/1858 dated 18-02-2017 of Legal Department of Rajkot Municipal Corporation is uploaded separately along with this tender.
8. The work is to be carried out as per RMC guidelines and as per instructions and requirement of engineer-in-charge.
9. **The work in respective Zone shall have to be carried out as per the instructions and requirement of engineer in charge, mandatorily with minimum two sets of paver machineries in zone altogether mandatorily OR minimum two sets of paver machineries must be provided simultaneously.**
10. **In case of bituminous mix required then the word "Hot Mix / Drum Mix" wherever mentioned in the tender, if any, then the said word shall have to be read as "Batch Mix" and the work shall have to be executed accoridngly with Batch Mix plant only.**
11. **In case of allowing single nozzle sprayer where roads' width is more than Browser then the Browser shall be used as per tender details, but in some cases where width of road is less, then the decision of engineer in charge will be final and binding to the contractor.**

- 12. Bitumen for tack coat is Bitumen grade VG-30. ~~whereas Emulsion will not be allowed.~~**
13. List of roads will be provided as and when estimates of that particular roads(s) sanction and actual required to be carried out of that particular road(s) during the entire time period.
14. The decision of engineer in charge will be taken, if required, and will be final as per the site condition as to take asphalt wall to wall so that there will be way to go the water and also the workmanship will appear good so that proper railing can be done.
15. Considering the cause of damage as also whose responsibility will it be, will be decided by engineer in charge which will be final and binding for the work done by contractor on the road and if any excavation work is carried out by RMC on such road.
16. For the roads on which fresh metalling work and fresh chareda is done by RMC then the consent of engineer in charge shall be necessary for strengthening and profile correction which shall have to be done by the agency.
- 17. The Batch Mix Plant Printers must be always in working condition and hard copy must be presented with all the bills of Batch Mix Plant.**
- 18. All machineries like; Paver finisher, Rollers, Browsers etc., must be in perfect working condition always and such machines should not be old for more than 8 (Eight) years.**
- 19. Commissioner, Rajkot Municipal Corporation, Rajkot, at his discretion, may also split the contract / work if required for timely execution of the work among two or more qualified bidders and such decision in this regard shall be final and binding. Commissioner, Rajkot Municipal Corporation, Rajkot, also reserves the right to award the contract to any of the eligible and qualified suitable bidder. The splitting of work will be carried out based on Manufacturing capacity, past work experience of the bidder, time frame for execution of work etc. and this shall be binding to all bidders. Parallel contract, if required, can also awarded on above basis, which will be binding to all bidders.**

Asst.Engineer  
Rajkot Muni. Corporation

Dy.Ex.Engineer  
Rajkot Muni. Corporation

Addl. City Engineer  
Rajkot Muni. Corporation

Signature of Contractor.

**Rajkot Municipal Corporation**  
**Schedule-B**

Name of work:

**Construction of 30. 00 MT DP ROAD from RMC-RUDA BOUNDARY to morbi bye pass road Connecting AIIMS hospital**

Sr no	Qty	Discription	Rate	Unit	Amount
1	64800.00	Excavation of Foundation in Soft Murrum, Soil or Sand from 0.00 mtr. to 1.50 mtr depth including lifting and laying in designated area as instructed	96.60	Cum	<b>6,259,680.00</b>
2	19500.00	Excavation of Foundation in Soft Murrum, Soil or Sand from 1.51 mtr. to 3.0 mtr depth including lifting and laying in designated area as instructed	103.50	Cum	<b>2,018,250.00</b>
3	2000.00	Excavation of Foundation in Soft Rock from 0.0 mtr. to 1.50 mtr depth including lifting and laying in designated area as instructed	220.80	Cum	<b>441,600.00</b>
4	2000.00	Excavation of Foundation in Soft Rock from 1.51 mtr. to 3.00 mtr depth including lifting and laying in designated area as instructed	255.30	Cum	<b>510,600.00</b>
5	2000.00	Excavation of Foundation in Hard Rock with Breaker / Blasting / Gann from 1.51 mtr. to 3.0 mtr depth including lifting and laying in designated area as instructed	531.30	Cum	<b>1,062,600.00</b>
6	112800.00	Removal of excavated Stuff and laying in designated area as directed by engineer in charge	171.00	Cum	<b>19,288,800.00</b>
7	64800.00	Supply & laying of hard murrum	263.00	Cum	<b>17,042,400.00</b>
8	6500.00	Construction of granular sub-base by providing close graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC and compacting with vibratory roller to achieve the desired density complete (Grade-I)	639.00	Cum	<b>4,153,500.00</b>
9	6500.00	Construction of granular sub-base by providing close graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC and compacting with vibratory roller to achieve the desired density complete (Grade-III)	497.00	Cu.Mt.	<b>3,230,500.00</b>
10	10800.00	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density	970.00	Cu.Mt.	<b>10,476,000.00</b>

Sr no	Qty	Discription	Rate	Unit	Amount
11	36000.00	Providing and applying primer coat with bitumen emulsion(slow setting type) on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means.(As Per MoRTH-502)	23.00	sqm	<b>828,000.00</b>
12	3000.00	Providing and laying bituminous lean bound macadam considering 0.66 cum per mt mix materials with machine crushed stone aggregate using 30kg of bitumen per asphalt including mixing the aggregate, heating the asphalt including mixing by continuous batching of batch mix plant and spreading the same by paver finisher and consolidation with power roller including providing all equipments by the contractor	3330	MT	<b>9,990,000.00</b>
13	8800.00	Dense Graded Bituminous Macadam (Grading II- 19 mm normal size) Providing and laying dense graded bituminous macadam with HMP using crushed aggregates of specified grading, premixed with 60/70 Grade bituminous binder @ 4.0 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification complete in all respects.(with Grading 2- 19 mm normal size)	3650.00	MT	<b>32,120,000.00</b>
14	4200.00	Providing and laying of bituminous concrete with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 5.4 per cent of mix and filter, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and allignment,rolling with smooth wheeled, viberatory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects.	4525.00	MT	<b>19,005,000.00</b>
15	1800.00	Thermoplast painting work on Paver Roads size 15-35 cm width including material & labour	372.00	sqm	<b>669,600.00</b>

Sr no	Qty	Discription	Rate	Unit	Amount
16	8.00	DISTANCE INFORMATORY SIGNS Providing and fixing Distance informatory sign boards made out of 2mm thick alluminium sheet size 180x120cms. rectangle as per the design IRC-67-1977,pre-treated with phospheting process and acid etching, coated with one coat of epoxy primer and two coats of best quality epoxy paint, reflectorised with retro sheeting as per latest MOST specifications, letters and numerals should be as per I.R.C.-30-1968, 3.1m long (2-Nos.) Stand Post and frame may be fabricated either from iron angle of 50x50x5mm, 75 x 75 x 6mm as required, painted with best quality epoxy coatings in black and white bends. The fixing at site shall be in 1:2:4 C.C. blocks of size 45 x 45 x 60cms. For each leg including excavation, curing etc. complete under the supervision of the Engineer-in-charge. (High Intensity Grade) (R&B SOR P.195/I.No.26099B)	15538.85	nos.	<b>124,310.80</b>
17	12.00	VILLAGE NAME BOARDS Providing and fixing road sign boards made out of 2mm alluminium sheet size 90x60cms. rectangle as per the design of TRC-67-1977. Preptreated with phospheting process and acid etching, coated with one coat of epoxy primer and two coats of best quality epoxy paint, reflectorised with retro-reflective sheeting as per latest M.O.S.T. specifications, Letters and numerals should be as per I.R.C. 30-1968, 3.10m long (2-Nos.) stand post and frame, fabricated from suitable size iron angle of 50 x 50 x 5mm, painted with best quality epoxy coatings in black and white bends. The details of symbol or inscription/numerals for each board shall be as per the instructions of Engineer-in-charge. The fixing at site shall be in 1:2:4 C.C. block of size 45 x 45 x 60cms. for each leg including excavation, curing etc. complete under the supervision of the Engineer-in-charge. (High Intensity Grade) (R&B SOR P. 197/I.No.26101B)	5246.95	nos.	<b>62,963.40</b>

Sr no	Qty	Discription	Rate	Unit	Amount
18	8.00	Route sign BOARDS Providing & fixing route sign boards made out of 2mm alluminium sheet size 60x45 cms. Rectangle plus 30x25 cms. Additional plate as per the attached drawing (IRC). Pre treated with phospheting process and acid etching coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro sheeting as per latest MOST specification 3.1M long stand post and frame fabricated from iron angle of 35x35x3mm 75x75x6 mm as required painted with best quality epoxy coatings in black and white bends. The details of numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 C.C. block of size 45x45x60 cms for each leg including excavation, curing etc. complete under the supervision of the Engineer-in-charge. (High Intensity Grade) (R&B SOR P. 202/I.No.26108B)	3201.70	nos.	<b>25,613.60</b>
19	8.00	PLACE IDENTIFICATION SIGN BOARDS Providing and fixing Place identification boards made out of 2mm alluminium sheet size 150 x 190cms. rectangle as per the design of IRC 67-1977 pre treated with phospheting process & acid etching coated with one coat of epoxy primer and coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest MOST specifications, Letters and numerals should be as per I.R.C. 30-1968, letters and numerals be as per IRC-30-1968, 3.10m long (2-Nos.) stand post and frame, fabricated from suitable size iron angle of 50 x 50 x 5mm, 75 x 75 x 6 cms. As required, painted with best quality epoxy coatings in black and white bends. The details of symbol or inscription/numerals for each board shall be as per the instructions of Engineer-in-charge. The fixing at site shall be in 1:2:4 C.C. block of size 45 x 45 x 60cms. for each leg including excavation, curing etc. complete under the supervision of the Engineer-in-charge. (High Intensity Grade) (R&B SOR P.196 I No.26100B)	10328.26	nos.	<b>82,626.08</b>



Sr no	Qty	Discription	Rate	Unit	Amount
20	8.00	DIRECTION SIGN BOARDS (JUNCTION BOARDS) Providing and fixing Direction sign boards made out of 2mm alluminium sheet size 244x122cms. rectangle as per the design of IRC-67-1977. Pre treated with phospheting process and acid etching, coated with one coat of epoxy primer and two coats of best quality epoxy paint, reflectorised with retro-reflective sheeting as per latest M.O.S.T. specifications, Letters and numerals should be as per I.R.C. 30-1968, 3.10m long (2-Nos.) stand post and frame, fabricated from suitable size iron angle of 50 x 50 x 5mm, 75 x75 x 6cms as (High Intensity Grade) (R&B SOR P.194/I.No.26098B)	18047.69	nos.	<b>144,381.52</b>
21	8.00	Give Way Sign board Providing & fixing Give Way Sign boards made out of 2mm alluminium sheet size 90x90x90 cms. Equiletral tringle (inverted) as per the design of IRC 67-1977. Pre treated with phospheting process and acid etching, coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest MOST Specification, 3.1M Long stand post and frame fabricated from suitable size iron angle of 35x35x3 MM, 75x75x6mm as required, painted with best quality epoxy coatings in black and white bends. The fixing at site shall be in 1:2:4 C.C. block of size 45x45x60 cms. For each leg including excavation, curing etc. comp. under the supervision of Engineer-in-charge (High Intensity Grade) (R&B SOR P. 194/I.No.26097B)	3272.40	nos.	<b>26,179.20</b>
22	4.00	Informatory Sign board Providing & fixing Informatory Sign boards made out of 2mm alluminium sheet size 80x60 cms. rectangle as per the design of IRC 67-1977. Pre treated with phospheting process and acid etching, coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest MOST Specification, 3.1M Long stand post and frame fabricated from suitable size iron angle of 35x35x3 MM, 75x75x6mm as required, painted with best quality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 C.C. block of size 45x45x60 cms. For each leg including excavation, curing etc. comp. under the supervision of Engineer-in-charge (High	3338.05	nos.	<b>13,352.20</b>

Sr no	Qty	Discription	Rate	Unit	Amount
		Intensity Grade) (R&B SOR P.191/I.No.26093B)			
23	72.00	Cautionary Sign board Providing & fixing Cautionary Sign boards made out of 2mm alluminium sheet size 90x90x90 cms. Equiletral tringle as per the design of IRC 67-1977. Pre treated with phospheting process and acid etching, coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest MOST Specification, 3.1M Long stand post and frame fabricated from suitable size iron angle of 35x35x3 MM, 75x75x6mm as required, painted with best quality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 C.C. block of size 45x45x60 cms. For each leg including excavation, curing etc. comp. under the supervision of Engineer-in-charge (High Intensity Grade) (R&B SOR P.190/I.No.26092B)	3272.40	nos.	<b>235,612.80</b>
24	22.00	Hazard Marker sign board Providing & fixing Hazard Marker Sign boards made out of 2mm alluminium sheet size 90x30 cms. rectangle as per the design / drawing attached (IRC). Pre treated with phospheting process and acid etching, coated with one coat of epoxy primer and two coats of best quality epoxy paint reflectorised with retro reflective sheeting as per latest MOST Specification, 3.1M Long stand post and frame fabricated from suitable size iron angle of 35x35x3 MM, 75x75x6mm as required, painted with best quality epoxy coatings in black and white bends. The fixing at site shall be in 1:2:4 C.C. block of size 45x45x60 cms. For each leg including excavation, curing etc. comp. under the supervision of Engineer-in-charge (High Intensity Grade) (R&B SOR P.198/I.No.26102B)	2935.06	nos.	<b>64,571.32</b>
25	44.00	Providing and fixing ordinary kilometer stone of precast C.C. 1:2:4 including necessary reinforcement as per IRC type design in C.C. 1:4:8 including letter and paints etc. complete. (R&B SOR 183/I.26048)	841.33	nos.	<b>37,018.52</b>
26	4.00	Providing and fixing 5th kilometer stone of precast C.C. 1:2:4 including necessary reinforcement as per IRC type design in C.C. 1:4:8 including letter and paints etc. complete. (R&B SOR 184/I.26050)	1354.41	nos.	<b>5,417.64</b>

Sr no	Qty	Discription	Rate	Unit	Amount
27	22.00	Providing and fixing Hectometer as per I.R.C type design including painting, lettering etc. complete (fixing in C.C) (R&B SOR 183/I. 26044B)	281.79	nos.	<b>6,199.38</b>
28	200.00	Providing and fixing Guard Stone as per I.R.C type design including White washing etc. complete (fixing in C.C) (R&B SOR 183/I. 26045B)	220.18	nos.	<b>44,036.00</b>
29	60.00	Providing and fixing Indicator stone of approved stone as per I.R.C type design in C.C 1:4:8 including white washing etc. complete. (fixing in C.C 1:5:10) (R&B SOR 184/I. 26053B)	267.65	nos.	<b>16,059.00</b>
30	3000.00	Supply & Fixing of center Cat-eye	255.00	nos.	<b>765,000.00</b>
31	700.00	Providing and laying rubble stone pitchin 22.5 cm thick including preparing the surface and providing penel wall for pitching 3.0x3.0 m cement 1;2:4 including pointing on pitching in CM 1:3 imcluding curing cost of all material and labar AS PER RA	404.00	nos.	<b>282,800.00</b>
32	345600.00	Rolling work with Roller 8-10 Ton capacity over metalling murrumfor soling or single layer arriving proper compaction (with watering)	7.50	sqm	<b>2,592,000.00</b>
33	200.00	Pro. Supply, Lowering, Laying & Jointing ISI marked R.C.C. pipes NP-3 class for Incoming and By-pass sewer line of 300 mm dia with socket and spigot with rubber ring joints including all taxes, insurances, transportation,freight charges, octroi, inspection charges, loading, unloading, conveyance, stacking etc complete (Is :458-2003)	1030.00	rmt	<b>206,000.00</b>
34	200.00	Pro. Supply, Lowering, Laying & Jointing ISI marked R.C.C. pipes NP-3 class for Incoming and By-pass sewer line of 450 mm dia with socket and spigot with rubber ring joints including all taxes, insurances, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance, stacking etc complete (Is :458-2003)	2026.00	rmt	<b>405,200.00</b>
35	13714.00	Fixing of CC Precast Road Divider stone 0.50 x 0.35 x 0.18 cm including required material and labour (without colour)	171.00	no.	<b>2,345,094.00</b>
36	4114.20	Plastic Imulsion Paint (Two coats) (Asian Paint, ICI, Dulux, Nerolac, Berger etc. of approved type) (with Prime Coat)	126.00	no.	<b>518,389.20</b>
37	36000.00	Providing and laying asphalt painting on B.T. Surface with bitumen grade VG-30 of 5kg/10 sq.mt.	38.00	sqm	<b>1,368,000.00</b>

Sr no	Qty	Discription	Rate	Unit	Amount
38	900.00	Dismantalling of RCC	518.00	Cu.Mt.	<b>466,200.00</b>
<b>Total Rs</b>					<b>136,933,554.66</b>
<b>Say Rs.</b>					<b>136,934,000.00</b>

Asst.Engineer  
Rajkot Muni. Corporation

Dy.Ex.Engineer  
Rajkot Muni. Corporation

Addl. City Engineer  
Rajkot Muni. Corporation

I/We agree to carry out the abovework at \_\_\_\_\_% (In figures) \_\_\_\_\_  
 \_\_\_\_\_(In words) equal /  
 above / below the estimated cost.

Signature of Contractor:

R.M.C./C/ ૬૩૨

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

**હુકમ :-**

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

**સંદર્ભ :-** આ અગાઉનાં પરીપત્ર નં. આર.એમ.સી./સી./૩૨૯, તા.૨૨/૧૨/૨૦૧૨.

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

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

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

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

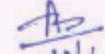
- (૨) તમામ ટેન્ડરોનાં કિસ્સાઓમાં સંબંધિત ખરી નકલમાં રજુ થયેલ તમામ ડોક્યુમેન્ટસની મુળ (ઓરીજીનલ) નકલ મંગાવી તેની ખરી નકલની ચકાસણી ફરજિયાતપણે સંબંધિત ડી.ઈ.ઈ.શ્રી તથા મ.ઈ.શ્રી / અ.મ.ઈ.શ્રીએ કરવાની રહેશે. જે મુળ નકલ સાથે વેરીફાય કર્યાની સહી ફરજિયાતપણે દરેક ખરી નકલમાં સંબંધિત ડી.ઈ.ઈ.શ્રી / મ.ઈ.શ્રી / અ.મ.ઈ.શ્રીએ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

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

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

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

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



કમિશનર ૧૦/૬.

રાજકોટ મહાનગર સેવાસદન

નકલ રવાના (જાણ અર્થે):-

નાયબ કમિશનરશ્રીઓ (તમામ)

નકલ જાણ તથા અમલવારી અર્થે :-

(૧) સહાયક કમિશનરશ્રીઓ (તમામ)

(૨) શાખાધિકારીશ્રીઓ (તમામ)

આર.એમ.સી./સી. ૩૨૪

રાજકોટ મહાનગરપાલિકા

કમિશનર વિભાગ

તા.૨૨/૧૨/૨૦૧૨

**પરિપત્ર:-**

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

ઉપરોક્ત બાબતનો અમલ તાત્કાલિક અસરથી કરવો.

  
કમિશનર

રાજકોટ મહાનગરપાલિકા

**નકલ રવાના :- (જાણ અર્થે)**

- નાયબ કમિશનરશ્રીઓ (તમામ)

**નકલ જાણ તથા અમલવારી અર્થે :-**

- સહાયક કમિશનરશ્રીઓ (તમામ)

- શાખાધિકારીશ્રીઓ (તમામ)



**જોજદારી કાર્યરીતી અધિનિયમ ૧૯૭૩ (૧૯૭૪ના નં.૨) ની કલમ ૧૪૪ અન્વયે ઠાંત્રણ ફરમ**

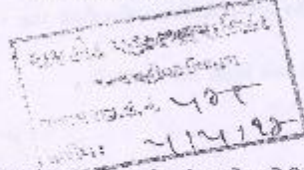
જોજદારી કાર્યરીતી અધિનિયમ ૧૯૭૩ (૧૯૭૪ના નં.૨) ની કલમ ૧૪૪ અન્વયે ઠાંત્રણ ફરમ

કચ્છ: એસ.બી./મજુર/જાહેરનામું/૧૬૭૬/૨૦૧૪.

પોલીસ કમિશનરીની કચેરી,

રાજકોટ શહેર, રાજકોટ.

તા. ૧૬/૦૪/૨૦૧૪



તાજેતરમાં રાજકોટ શહેરમાં ઘરફીક ચોરીના બનાવો વધવા પામ્યા છે. ભુતકાળના રાજકોટ શહેરમાં બનેલ ઘરફીક ચોરીના બનાવોની તપાસ કરતા તપાસમાં આવા ગુનો કરનાર (ઘરફીકીયા) પકડાયેલ છે. ત્યારે તપાસમાં આવા ગુના વાળા આરોપીઓ ગુનાના બનાવના દિવસે અગાઉ રાજકોટ શહેરમાં નવા બંધાતા ગણનોમાં જુદી જુદી ઓધોગીક કંપનીઓમાં, કોર્પોરેશનમાં મજુરી કામ અને ટેલીફોન કંપનીઓ વગેરે તથા ગેસ પાઇપ લાઇન માટે ખોદાતા ખાડાઓની મજુરી કામ મેળવી અથવા તેના બહાના ફેંકળ આવી રોકાણ કરી આપુઆપુની સ્થાનિક પરીસ્થિતિનું સર્વે કરી માફિતર શરૂ થઈ મિલકત વિરુદ્ધના ગુનાઓ આચરતા હોય છે. મજુરી કામના બહાના ફેંકળ આતંકવાદીઓ પણ આશરો મેળવી લેતા હોય છે જેથી જાહેર જનતાની જાન-માલ (મિલકત)ની સલામતી તથા સુરક્ષા સારૂ થોડા નિયંત્રણો મુકવા જરૂરી જણાય છે.

જેથી હું મોકલ ગયું (સ.પ.ક.), પોલીસ કમિશર, રાજકોટ શહેર જોજદારી કાર્યરીતી અધિનિયમ (સી.આર.પી.સી.) ૧૯૭૩ (૧૯૭૪ ના નં.૨) ની કલમ ૧૪૪ અન્વયે અમોને મળેલ સત્તાની રૂબે આવી હું ફરમ કરું છું કે, રાજકોટ શહેરના પોલીસ કમિશનર વિસ્તારમાં લેબર કોન્ટ્રાક્ટર/મુકાદમનાઓએ પોતાની પાસે જે મજુર ભામે રાખેલ હોય અને મજુરો કામકાજ માટે સપ્લાય કરતા હોય તેઓએ નીચે જણાવેલ કોર્મ મુજબ દરેક મજુરોના અલગ-અલગ કોર્મ ભરી ફરજિયાત પાડે સ્થાનિક પોલીસ સ્ટેશનને જણા કરવાની રહેશે તથા મજુરો જ્યારે મજુરી કામ તથા રાજકોટ શહેર છોડી જતા રહે ત્યારે લેબર કોન્ટ્રાક્ટર/મુકાદમે તે અંગેની જાણ નામ/સરનામા સહિતની વિગત સાથે સ્થાનિક પો.સ્ટે.મા કરવાની રહેશે

૧	લેબર કોન્ટ્રાક્ટર / મુકાદમ (સપ્લાયર) નું પૂરું નામ સરનામું	--
૨	મો.નં., નંબર સહિત	--
૩	મજુરનું નામ તથા ઉ.વ.	--
૪	મજુરનું કાલનું સરનામું ટેલીફોન નંબર	--
૫	મજુરનું મૂળ વતનનું સરનામું ગામ, તાલુકો, જિલ્લો	--
૬	કાલની મજુરીનું સ્થળ / કંપનીનું નામ	--
૭	મજુરનું વતનનું સ્થાનિક પો.સ્ટે.નું નામ તથા ટેલીફોન નંબર	--
૮	મજુરના વતનના આગેવાનનું નામ, સરનામું, ટેલીફોન નંબર	--
૯	મજુર અગાઉ કોઈ પોલીસ ગુનામાં પકડાયેલ હોય તો તેની વિગત	--
૧૦	કચ્છ રેલ્વે યુકાદમે / કોન્ટ્રાક્ટરે મજુરી કામ માટે રાખેલ છે	--
૧૧	મજુરનું બોનામ માટેનું આકડો પુરું (કોટા સાથે નું)	--
૧૨	રાજકોટ શહેરમાં કઈ તારીખથી મજુરી કામ કરે છે ? અને રહ તારીખે જવાનો છે ?	--
૧૩	રાજકોટ શહેરમાં નજીકના સંબંધી કોઈ કોયતો તેનું નામ, સરનામું	--

મજુરનો તાજેતરનો ફોટો

મજુરના અંગ્રાહનું નિશાન

મુકાદમ/સપ્લાયર/કોન્ટ્રાક્ટરની સહી

નામ

આ ફરમ તા. ૦૧/૦૫/૨૦૧૪ થી તા. ૩૦/૦૬/૨૦૧૪ સુધી અમલમાં રહેશે.

આ ફરમનો લોગ, કરનાર વ્યક્તિ વગરનોય દંડ સહિતાની કલમ ૧૮૬ મુજબ શિક્ષાને પાત્ર થશે.

રાજકોટ

તા. ૧૬/૦૪/૨૦૧૪

મજુર

મજુર

21/04/14



તમામને વ્યક્તિગત રીતે મોટીસની બજવાળી કરવી શક્ય ન હોય આથી એકત્રીકી દૂકમ કરી હુ. જાહેર જનતાની જણા સાથે સ્થાનિક વર્તમાન પણ આકાશવાણી અને ફરદજીન કેન્દ્ર પારકતે પ્રસિધ્ધી દવારા તથા પોલીસ સ્ટેશનના પોલીસ ઈન્સ્પેક્ટર, મહત્વનીય પોલીસ ઇમિસર, બાયથ પોલીસ ઇમિસર તથા પોલીસ ઇમિસર કરેલીના નોટીશ બોર્ડ ઉપર હુકમની નકલ યોદાકી પ્રસિધ્ધી કરવામાં આવશે તેમજ સહેલાઈથી જોઈ શકાય તેવી જાહેર જગ્યાઓ ઉપર હુકમની નકલ યોદાકી પ્રસિધ્ધી કરવામાં આવશે ગુજરાત પોલીસ એન્ડ ડાઉન ૧૯૭૩ મુજબ પોલીસ અધિકારીઓ પણ આ હુકમની જાહેરાત કરવા અધિકૃત ગણાશે.

આજ તારીખે ૨૦/૧૨/૨૦૧૪ ના રોજ મારી કહી અને સિક્કો કરી આગેલ છે.



(મોકલ આ)  
પોલીસ ઇમિસર  
રાજકોટ શહેર, રાજકોટ

નકલ રેવાળી-

- (૧) ચક્ક સચિવશી, ગુજ વિભાગ, ગાંધીનગર.
- (૨) પોલીસ મહાનિદેશક અને મુખ્ય પોલીસ અધિકારીશી, ગુ. રા. ગાંધીનગર
- (૩) અધિક પોલીસ મુખ્ય ડિરેક્ટરશી (ઈ.એ.) ગુ. રા. ગાંધીનગર.
- (૪) પોલીસ ઇમિસરશી, અમદાવાદ શહેર, વડોદરા શહેર, સુરત શહેર.
- (૫) બાક મુખ્ય પોલીસ અધિકારીશી, રાજકોટ કેન્દ્ર, રાજકોટ.
- (૬) જીલ્લા પોલીસ અધિકારીશી, રાજકોટ જિલ્લો, રાજકોટ.
- (૭) કલેક્ટરશી, રાજકોટ શહેર.
- (૮) મ્યુનિસિપલ ઇમિસરશી, રાજકોટ શહેર.
- (૯) નિયામકશી, માહિતી પ્રાપ્ત ડી.જી.વરજી મહેતા સ્વયં જુના સચિવાલય ખાતે નં.૭, વીજા માથે, ગુ. રા. ગાંધીનગર.
- (૧૦) જીલ્લા સગતરી નકિલશી, સેક્શન કોડ, રાજકોટ.
- (૧૧) મેનેજરશી, બર્લેગેટ પેસ, રાજકોટ. (સેકેટ બાગ-૧ માં પ્રસિધ્ધ કરવા સાથે).
- (૧૨) મહત્વનીય પોલીસ ઇમિસરશી, પૂર્વ/પશ્ચિમ વિભાગ, રાજકોટ શહેર.
- (૧૩) આર્થિક ઇમિસરશી, (ઈ.એ.), રાજકોટ રીક્રીએશન, રાજકોટ.
- (૧૪) બાયથ પોલીસ અધિકારીશી/પો. ઈન્ડ.શી, રાજકોટ જે.એ. જંતશન પો.એ.
- (૧૫) તમામ પો.એ.ઈન્ચાર્જશીઓ રાજકોટ શહેર(નકલો યોદાકી લાઉટ સ્પીકર વાઠન દવારા જાહેરાત કરાવવા સાથે)
- (૧૬) તમામ જાતીક તથા માળા ઈન્ચાર્જશીઓ, રાજકોટ શહેર.
- (૧૭) ઇન્ડોલ ઈન્ચાર્જશી, રાજકોટ શહેર (૧૦ નકલ) વર્તમાનપત્રોને આપવી.
- (૧૮) લેખર ઇમિસરશી, ... તમામ બાબતી સભ્યશીને અવગત કરવા સાથે

નકલ સુવિનય રવાળી-

- (૧) રજકોટશી, ડાઉનકોડ, ગુ. રા. સોલારીક અમદાવાદ.
  - (૨) રજકોટશી, ડીસ્ટ્રીક્ટ એન્ડ સેશન્સ કોડ, રાજકોટ.
  - (૩) રજકોટશી, રીક્રી જયુડીશયલ મેજી.શી કોડ, રાજકોટ.
  - (૪) રજકોટશી, એડીશનલ સેશન્સ જજ કોડ, રાજકોટ.
  - (૫) એડીશનલ મેજી.શી, રાજકોટ શહેર
  - (૬) એડીશનલ મેજી.શી, રાજકોટ તાલુકા
  - (૭) સચુકત માહિતી નિયામકશી, રાજકોટ.
- (સ્થાનિક વર્તમાનપત્રો, આકાશવાણી તથા ફરદજીન કેન્દ્રમાં પ્રસિધ્ધ કરવા અને વર્તમાનપત્રોની પ્રાપ્તીઓ યોદાકી સાથે)



રાજકોટ મહાનગરપાલિકા

## हिसाबी शाखा

ડૉ.આંબેડકર ભવન, ઢેબરભાઇ રોડ, રાજકોટ - ૩૬૦ ૦૦૧.

रा.म.न.पा./हिसाबी/ज.नं. ४२९

તા. ૧૬/૬/૨૦૧૭

નોંધ -

વિષય - Vendor Regi. માં GST No. Update કરવા બાબત

ઉપરોક્ત વિષયે જણાવવાનું કે રાજકોટ મહાનગરપાલીકા નાં તમામ વેન્ડર / કોન્ટ્રાક્ટરો ની Vendor Registration માં GST No. ની જરૂરીયાત હોય તાત્કાલીક અપડેટ કરવા વિનંતિ. Temporary Vendor નાં Regi. આપની શાખામાં જ થઇ જશે જ્યારે Permanent Vendor નાં GST No. અપડેટ કરવા શાખા અધિકારીશ્રી નાં જરૂરી સહી સીક્કા સાથે નીચે મુજબ વિગત નું પત્રક બનાવી દિવસ - ૭ માં હિસાબી શાખામાં માહિતી મોકલાવી આપવા વિનંતી.

Vendor Name	Exiting Vendor Regi. No.	PAN	GST NO.

1976  
 222/1 (C2)  
 ALC 1/1 नोड  
 नोड - 5211

ચીફ એકાઉન્ટન્ટ  
રાજકોટ મહાનગરપાલીકા

નોંધ - તમામ વિગતો ચકાસીને અપડેટ કરવી / ચકાસીને મોકલવી અન્યથા સપ્લાયર્સ ને TDS ની કેડીટ મળશે નહીં જેની નોંધ લેવા વિનંતી.

નકલ અમલવારી અર્થે

1. તમામ શાખા અધિકારીશ્રી ઓ

નકલ સવિનય જાણ અર્થે

1. માન. કમિશ્નર સાહેબશ્રી
2. માન. નાયબ કમિશ્નર સાહેબશ્રી

५५७  
राजकोट महानगर पालिका  
से. ओन बांधकाम खाता  
ईन्वर्ड नंबर १३१  
तारीख १५/११/१९

## જાહેરનામું

આથી હું બંધાનિધિ પાની (IAS), મ્યુનિસિપલ કમિશનર, રાજકોટ મહાનગરપાલિકા, રાજકોટ ગુજરાત પ્રોવીન્સીયલ મ્યુનિસિપલ કોર્પોરેશન એક્ટ-૧૯૪૯ ની જોગવાઈ અનુસંધાને મળેલ સત્તા મુજબ, જાહેર હિતને ધ્યાને લઈ રાજકોટ મહાનગરપાલિકા વિસ્તારમાં ઇમારત તોડવા, સમારકામ અથવા તો નવા બાંધકામ દરમ્યાન ઉપસ્થિત થતા બાંધકામને લગત કચરા (Construction and Demolition Waste) નો રાજકોટ મહાનગરપાલિકા દ્વારા નિયત કરાયેલ જગ્યા સિવાય નિકાલ કરવા પ્રતિબંધ ફરમાવું છું.

એવું ધ્યાનમાં આવેલ છે કે રાજકોટ મહાનગરપાલિકા વિસ્તારમાં ઇમારત/ઇમારતોના બાંધકામ દરમ્યાન નળીયા, પથરા, ઇંટો, સાંકળીયો, ઇમારત બાંધવાના માલસામાન, અને એવા માલસામાનનો કાટમાળ ગમે તે જગ્યાએ નિકાલ / એકઠો કરવામાં આવે છે. જેનાથી એવી જગ્યાએ ઉદરો, અથવા અન્ય જીવ જંતુઓનું આશ્રય સ્થાન અથવા ઉત્પત્તિ સ્થાન બને છે. તેમજ સદરહું જગ્યાનો ભોગવટો કરનારાઓને અથવા પડોશમાં રહેતી વ્યક્તિઓના ભય અને ઉપદ્રવનું કારણ બને છે. તેના કારણે રોગચાળો ફેલાવવાનો ભય અને લોકોના આરોગ્ય તથા જાનમાલને નુકશાન થાય તેવી સ્થિતિ ઉત્પન્ન થાય છે. તેમજ તે કચરો (Construction and Demolition Waste) દૂર કરવા રાજકોટ મહાનગરપાલિકાને ખુબજ મોટો ખર્ચ થાય છે, તેમજ માનવ સમય બગડે છે. આમ, લોકોના જાનમાલના અને આરોગ્યના નુકસાનના ભોગે આવી ગેરકાયદેસર પ્રવૃત્તિ ચાલી રહેલ છે, આવી કોઇપણ પ્રવૃત્તિ જન આરોગ્ય માટે બીન સલામતી નોતરે તેમ હોય ગુજરાત પ્રોવીન્સીયલ મ્યુનિસિપલ કોર્પોરેશન એક્ટ અનુસુચી-૬ ના પ્રકરણ-૧૪ ની જોગવાઈઓ અનુસંધાને આવી તમામ પ્રવૃત્તિ કરવાનો આ જાહેરનામાથી જાહેરહિતમાં પ્રતિષેધ ફરમાવું છું. આવા કચરા (Construction and Demolition Waste) ના નિકાલ માટે રાજકોટ મહાનગરપાલિકાએ નીચે દર્શાવેલ સ્થળો નિયત કરેલ છે.

(૧) કોઠારીયા પોલીસ ચોકીની બાજુમાં, પથથરની ખાણ પાસે.

(૨) રૈયા સ્માર્ટ સીટીના તમામ ખાણ વિસ્તાર.

ઉપરોક્ત નિયત કરેલ સ્થળો સિવાય અન્ય કોઇપણ જગ્યાએ કોઇપણ ઇસમ/ઇસમો છકડો, ટ્રેક્ટર અથવા ડમ્પર દ્વારા (Construction and Demolition Waste) નો નિકાલ કરતાં પકડાશે તો પ્રથમ વખત છકડો/ટ્રેક્ટર દિઠ રૂ.૭,૫૦૦/- તથા ડમ્પર દિઠ રૂ.૧૫,૦૦૦/- તથા બીજી વખતે છકડો/ટ્રેક્ટર દિઠ રૂ.૧૫,૦૦૦/- તથા ડમ્પર દિઠ રૂ.૩૦,૦૦૦/- તથા ત્રીજી વખતે છકડો/ટ્રેક્ટર દિઠ રૂ.૫૦,૦૦૦/- તથા ડમ્પર દિઠ રૂ.૧,૦૦,૦૦૦/- લેખે વહીવટી ચાર્જ વસુલ કરવામાં આવશે. તેમજ વાહન જપ્ત કરવા સુધીની કાર્યવાહી કરવામાં આવશે.

રાજકોટ,

તા.

બંધાનિધિ પાની (IAS)

કમિશનર

રાજકોટ મહાનગરપાલિકા





## રાજકોટ મહાનગર સેવાસદન

ડી. આંબેડકર ભવન, હેબરભાઈ રોડ, રાજકોટ - ૩૬૦ ૦૦૧.

વેબસાઈટ : www.rmc.gov.in

રા.મ્યુ.કો./વીજી.ટેક./જા. નં. ૧૦૨

૨૮/૮/૧૮

તા. ૨૮/૮/૨૦૧૮

### પરિપત્ર:-

- રાજકોટ મહાનગરપાલિકામાં ત્રણ ઝોન (ઇસ્ટ, સેન્ટ્રલ, વેસ્ટ) માં ઝોનલ કામમાં કે ટેન્ડરથી થતા કામમાં પેવર બ્લોકની કામગીરી કરવામાં આવે છે. જેથી, ક્વોલિટી કન્ટ્રોલ માટે પેવર બ્લોકની કામગીરીમાં વપરાશ કરવામાં આવતા પેવર બ્લોકનું ટેસ્ટીંગ કરવું જરૂરી હોય, વોર્ડમાં ઝોનલ કામ, ટેન્ડર કામ તેમજ વિવિધ શાખા હસ્તક ચાલતા પ્રોજેક્ટ કામમાં વપરાશ કરવામાં આવતા તમામ પ્રકારના પેવર બ્લોકના કામમાં કામ કરાવનાર RMC ટેકનીકલ ટીમ દ્વારા IS 15658:2006 મુજબ Government લેબોરેટરી કે Government માન્ય લેબોરેટરીમાં હાજરીમાં ફરજિયાતપણે ટેસ્ટીંગ કરાવવાનું રહેશે.
- આ ઉપરાંત, રાજકોટ મહાનગરપાલિકાની, વિવિધ શાખા હસ્તક ચાલતાં બાંધકામ તથા રસ્તાકામને લગત, દરેક મહત્વના પ્રોજેક્ટના અગત્યનાં તબક્કે કામગીરી કરાવનાર પ્રોજેક્ટ એક્ઝીક્યુશન ટેકનીકલ ટીમ દ્વારા આગળના દિવસે વિજીલન્સ (ટેક.) ટીમને SMS/Whatsapp થી જાણ કરવામાં આવે છે. તે જ રીતે પેવર બ્લોક બાબતે RMC એક્ઝીક્યુશન ટેકનીકલ ટીમ દ્વારા હાલ ચાલુ હોય તેમજ હવે પછી થનાર તમામ પેવર બ્લોકના કામો માટે આગળના દિવસે વિજીલન્સ (ટેક.) ટીમને SMS/Whatsapp થી જાણ કરવાની રહેશે. જે અન્વયે વીજીલન્સ શાખા (ટેક.) દ્વારા રેન્ડમ સેમ્પલીંગ કરી, IS 15658:2006 મુજબ Government લેબોરેટરી કે Government માન્ય લેબોરેટરીમાં હાજરીમાં ફરજિયાતપણે ટેસ્ટીંગ કરાવી, અત્રે રીપોર્ટ કરવાનો રહેશે.

ઉપરોક્ત બાબતની અમલવારી તાત્કાલિક અસરથી ચુસ્તપણે કરવાની રહેશે.

કમિશ્નર

રાજકોટ મહાનગરપાલિકા

નકલ રવાના (જાણ તથા અમલવારી અર્થે)

- નાયબ કમિશ્નરશ્રી (ઇસ્ટ, સેન્ટ્રલ, વેસ્ટ-ઝોન)

નકલ રવાના (અમલવારી અર્થે)-

- તમામ સીટી એન્જીનીયરશ્રી, એડી. સીટી એન્જીનીયરશ્રી, એક્ઝીક્યુટીવ એન્જીનીયરશ્રી

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## રાજકોટ મહાનગરપાલિકા

ડો. આંબેડકર ભવન, ઢેબર રોડ, રાજકોટ - ૩૬૦૧૧૦.

વેબસાઈટ : [www.rmc.gov.in](http://www.rmc.gov.in)

આર.એમ.સી./સી./

તા. ૨૭/૧૨/૨૦૧૬

પરીપત્ર:-

રા.મ્યુ.કો./વિજી./જા.નં. ....૧૬૦.....  
૨૭/૧૨/૨૦૧૬

- રાજકોટ મહાનગરપાલિકામાં ત્રણ ઝોન (ઇસ્ટ, સેન્ટ્રલ, વેસ્ટ) માં ઝોનલ કામમાં કે ટેન્ડરથી થતા કામમાં પેવર બ્લોકની કામગીરી કરવામાં આવે છે. જેથી, ક્વોલિટી કન્ટ્રોલ માટે પેવર બ્લોકની કામગીરીમાં વપરાશ કરવામાં આવતા પેવર બ્લોકનું ટેસ્ટીંગ કરવું જરૂરી હોય, રા.મ્યુ.કો./વીજી. (ટેક.)/જા.નં.-૧૦૨, તા.૨૯/૦૮/૨૦૧૮ થી વોર્ડમાં ઝોનલ કામ, ટેન્ડર કામ તેમજ વિવિધ શાખા હસ્તક ચાલતા પ્રોજેક્ટ કામમાં વપરાશ કરવામાં આવતા તમામ પ્રકારના પેવર બ્લોકના કામમાં ફરજિયાતપણે ટેસ્ટીંગ કરાવવા માટે પરીપત્ર કરવામાં આવેલ છે.
- જે પરીપત્ર અન્વયે આ પરીપત્રથી હવે પછી કરવાનાં થતા તમામ ટેન્ડર કામ તેમજ નવા ઝોનલ કોન્ટ્રાક્ટના કામોમાં નીચે પ્રમાણે ચુસ્ત અમલવારી કરવાની રહેશે.
- આ પરીપત્ર પહેલાના કોઇપણ ઝોનલ કે ટેન્ડર કામ માટે જે તે Grade ની સાપેક્ષ પરિણામ ન મળે તો જે તે મળેલ પરિણામ પ્રમાણે Rate Reduce કરવાનાં રહેશે.
- કોઇપણ Grade ના પેવર બ્લોક માટે Compressive Strength નું સરેરાશ પરિણામ 10% કરતા વધારે ઓછું (દા.ત. M-30 Grade માટે Compressive Strength 27 N/mm<sup>2</sup> થી ઓછી) મળશે તો તે પેવરબ્લોક Reject કરવામાં આવશે એટલે કે તેમનું Payment કરવામાં આવશે નહિ.
- કોઇપણ Grade ના પેવર બ્લોક માટે Compressive Strength નું સરેરાશ પરિણામ 10% ની મર્યાદામાં ઓછું (દા.ત. M-30 Grade માટે Average Compressive Strength 27 N/mm<sup>2</sup> થી 29.99 N/mm<sup>2</sup> ની વચ્ચે) મળશે તો તે પેવરબ્લોક માટે Minimum 5 % તેમજ Maximum 10% મળેલ Average Compressive Strength પ્રમાણે Rate Reduce કરવાનાં રહેશે.
- કોઇપણ Grade ના પેવર બ્લોક માટે Water Absorption નું સરેરાશ પરિણામ 6% થી વધારે આવશે તો તે પેવરબ્લોક Reject કરવામાં આવશે એટલે કે તેમનું Payment કરવાનું થશે નહિ.

Compressive Strength માટે કુલ ૮ પેવર બ્લોકનું ટેસ્ટીંગ કરવાનું રહેશે જે ૮ પેવર બ્લોક (ગ્રેડ મુજબ સરેરાશ પરિણામ મળશે તો પણ) પૈકી જો ૧ થી ૨ Individual Sample નું પરિણામ 85% કરતા ઓછું મળશે તો 10% Rate Reduce કરવામાં આવશે તેમજ ૮ પેવર બ્લોક પૈકી જો ૨ થી વધારે Individual Sample નું પરિણામ 85% કરતા ઓછું મળશે તો તે પેવરબ્લોક Reject કરવામાં આવશે એટલે કે તેમનું Payment કરવામાં આવશે નહિ.

- ૧૨.૦૦ મી. કે તેથી મોટા રોડના Side Shoulder માટે M-30 Grade (ISI Mark) Rubber Mould Paving Block વાપરવાના રહેશે. ૧૨.૦૦ મી. થી નાની પહોળાઈના રસ્તાઓ પર Side Shoulder માં M-30 Grade (ISI Mark) Non Rubber Mould Paving Block વાપરવાના રહેશે.
- પહોળાઈમાં ૫.૦૦ મી. કે તેથી ઓછી પહોળાઈ વાળી શેરી હોય ત્યાં જ આખી શેરીમાં Paving Block ની કામગીરી કરી શકાશે. જનભાગીદારી યોજના હોય ત્યાં ૫.૦૦ મી. કે તેથી વધુ પહોળાઈ વાળી શેરીમાં Rubber Mould Paving Block ની કામગીરી કરી શકાશે.
- આ પરીપત્રને ટેન્ડરના એક ભાગ તરીકે રાખવાનો રહેશે.

ઉપરોક્ત બાબતની અમલવારી તાત્કાલિક અસરથી ચુસ્તપણે કરવાની રહેશે.

*Lud. P.*

કમિશ્નર

રાજકોટ મહાનગરપાલિકા

નકલ રવાના (જાણ તથા અમલવારી અર્થે)

- નાયબ કમિશ્નરશ્રી (ઇસ્ટ, સેન્ટ્રલ, વેસ્ટ ઝોન)

નકલ રવાના (અમલવારી અર્થે)

- તમામ સીટી એન્જીનીયરશ્રી, એડી. સીટી એન્જીનીયરશ્રી, એક્ઝીક્યુટીવ એન્જીનીયરશ્રી, એન્વાયરમેન્ટ એન્જીનીયરશ્રી (S.W.M.)
- ડી.ઇ.ઇ.શ્રી (વીજીલન્સ શાખા - ટેક.)