



**GOVERNMENT OF GUJARAT
ROADS & BUILDING DEPARTMENT
GANDHINAGAR**

PRE – QUALIFICATION BID

NAME OF WORK:-

Construction of Khamnath Bridge in place of existing damaged arch bridge on River Ghee on Khambhalliya Porbandar Road in Khambhaliya Nagar Palika Limit on new alignment.

Executive Engineer
R & B Division
Devbhoomi Dwarka



PRE – QUALIFICATION BID

Name of Work:- Construction of Khamnath Bridge in place of existing damaged arch bridge on River Ghee on Khambhalliya Porbandar Road in Khambhaliya Nagar Palika Limit on new alignment.

Implementation by :- Road & Building Department
Government of Gujarat
Gandhinagar.

State :- GUJARAT

Executive Engineer
Devbhoomi Dwarka R & B Division
Khambhaliya

Superintending Engineer
R & B Circle-1
Rajkot

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1.0 INTRODUCTION

Documents for contractor's pre-qualification are invited for project namely **Construction of Khamnath Bridge in place of existing damaged arch bridge on River Ghee on Khambhalliya Porbandar Road in Khambhaliya Nagar Palika Limit on new alignment.** The details of contract together with its probable estimated cost are given in para No. 4 hereunder. General contractors who wish to bid for the contract should fill the two bid system in the manner set out in this document. The other tender documents i.e. price bid will be opened subsequently only to those parties selected by the employer (Govt.) as having necessary qualification / suitability to perform the contract satisfactorily. Documents for pre-qualification bid will be filled by the contractors having registered in **"AA" Class with Special Category-I (Bridge Work)** in State of Gujarat, or equivalent category. The firms which are not registered in the relevant category in R&B Department of Govt. of Gujarat shall have to obtain Registration with Govt. of Gujarat prior to the award of work.

2.0 EMPLOYER

Secretary (R&B) Department
Government of Gujarat,
Sachivalaya, Gandhinagar,
Gujarat.

2.1 EMPLOYER'S REPRESENTATIVES

Name : Superintending Engineer of R&B Circle-1, Rajkot
Gujarat State on behalf of Governor of Gujarat

3.0 ENGINEER IN CHARGE

[1] Name : Executive Engineer, R & B Division,
Devbhoomi Dwarka, Khambhaliya.

4.0 NAME OF WORK

Name of Work :- **Construction of Khamnath Bridge in place of existing damaged arch bridge on River Ghee on Khambhalliya Porbandar Road in Khambhaliya Nagar Palika Limit on new alignment.**

Jurisdiction :- **Devbhoomi Dwarka (R&B) Sub-Division Khambhaliya.**

District :- **Devbhoomi Dwarka**

Proposed Work :- **Bridge Work**

Estimated Cost :- **Rs. 21,01,92,008.23**

Time limit :- **18 (Eighteen) Months**

5.0 SCOPE OF WORK :- **Bridge work**

This work includes following, namely

Construction of Khamnath Bridge in place of existing damaged arch bridge on River Ghee on Khambhalliya Porbandar Road in Khambhaliya Nagar Palika Limit on new alignment. The work includes following items. Item wise details of work is however as per Schedule-B named as price bid.

1. Name of work: : **Construction of Khamnath Bridge in place of existing damaged arch bridge on River Ghee on Khambhalliya Porbandar Road in Khambhaliya Nagar Palika Limit on new alignment.**
2. Location : **Devbhoomi Dwarka District**
3. Type of Work : **Bridge work**
4. Design Loading : **As per IS Code**

6.0 PROGRAMME OF WORKS UNDER PROJECT:-

The Pre-Qualification process is common for all the bidders. The bidder shall have to be qualified for this work. The bid for the work of **Construction of Khamnath Bridge in place of existing damaged arch bridge on River Ghee on Khambhalliya Porbandar Road in Khambhaliya Nagar Palika Limit on new alignment.** shall be submitted by the bidder along with the Pre-Qualification document.

The Pre-Qualification document will be opened by Superintending Engineer and submitted to the screening committee. The screening committee will be final authority in this regard. The committee's decision will be conveyed to the Superintending Engineer. Those bidders who are Prequalified shall be informed by R.P.A.D. post / email / fax. All bidders have to pay the payment of **Tender fees of Rs.18,000/-** towards the cost of documents. The Price Bid of those bidders who will qualify in pre-qualification shall be opened on date and time notify to them and the same will be opened online by the Concerned Superintending Engineer at the circle office in the presence of Pre-Qualified or their authorised representatives.

All rights are reserved with the Government of Gujarat for deciding Pre-Qualification of bidders and regarding acceptance of the price bids also. No claim on this account will be entertained.

The programme of work for **Construction of Khamnath Bridge in place of existing damaged arch bridge on River Ghee on Khambhalliya Porbandar Road in Khambhaliya Nagar Palika Limit on new alignment.**

Receipt of Tender	Validity Period	Period of Completion
<u>Dt.:-</u>	120 Days after the deadline date for bid submission	18 (Eleven) Months

7.0 CONDITIONS OF CONTRACT :-

Condition of contract will be as per standard document i.e. SBD tender form attached with Price Bid or modified as needed for local conditions. The project will be governed as per the relevant Indian act in force from time to time. All works will confirm to the Indian standards or other equivalent standards mentioned in the contract documents as per approved by the Engineer in charge. The R.C.C. of all the component shall be designed by the S.E. Design (R&B) Circle, Gandhinagar respectively through Engineer-in-charge prior to commencement and during the progress of the work.

The law governing the contract will be the Indian Law. This work is proposed to be carried out from plan-allocation of the state.

8.0 SPECIFIC INSTRUCTION TO APPLICANTS:-

8.1 A contractor may be pre-qualified for the work under this tender if the requisite technical, financial, and experience criteria are fulfilled.

8.2 One firm can be pre-qualified only once in its own name or as private limited or as public limited.

8.3 Pre-qualification Questionnaire completed in all respect should be submitted to online not later than 18.00 Hrs on Website on **www.tender.nprocure.com**

(C) Special Condition about mix design for different grades of Cement Concrete.

8.4 SUBMISSION OF BIDS:-

8.4.1 Earnest money deposit **Rs.21,02,000.00** (One percent of the estimated cost put to tender) for **Construction of Khamnath Bridge in place of existing damaged arch bridge on River Ghee on Khambhalliya Porbandar Road in Khambhaliya Nagar Palika Limit on new alignment.** in form of fixed deposit / Demand Draft with a validity period of not less than 06 (six) months issued by the Nationalised or Scheduled Bank (It must be standing since five years) or required exemption certificate in force. The pre-qualification bid not accompanying with the requisite Earnest Money Deposit shall be outright rejected. Exemption certificate of EMD shall be submitted in electronic format only.

Contractor should submit the D.D. of Tender fee & EMD in physical to **Supdt. Engr., R & B Circle-1, Rajkot** at the time of tender opening or send the same through form by **RPAD / Speed post** so as to reach to the **Executive Engineer, Devbhoomi Dwarka**

(R&B) Division, Khambhaliya in seal cover duly subscribing the name of work on or before Dt. _____ to _____ during office hours. **(Tender fee & EMD should be in favour of Executive Engineer, Devbhoomi Dwarka (R & B) Division, payable at Khambhaliya.**

8.4.2 The **self-attested** copy of the certificate of Chartered Accountant showing the details of turn over for the last five financial years shall have to be submitted. The details furnished in Chartered Accountant certificate, must tally with the respective figures in profit and loss accounts.

8.4.3 For **INITIAL SCREENING CRITERIA (Clause 8.21.2-A)** for completing at least one **Bridge Work** of similar nature, the **self-attested** certificate in Form of 3-A should be attached. In case of private work sufficient authentic proof of work done along with evidence of financial transaction shall have to be furnished.

8.5 The costs incurred by the Bidders in making this offer, in providing clarification or attending discussion, conferences or site visits will not be reimbursed by the Employer or the Engineer in charge.

8.6 Application for pre-qualification shall be submitted in proper format on line and incomplete offers shall be rejected. **Only soft copy (Scanned Copy) of each required documents are to be submitted with E-Tendering for evaluation of P.Q. It shall be submitted on or before Dt. _____ to online website <https://tender.nprocure.com/> .**

- [a] **Registration certificate of "AA" Class with Sp. Cat. I (Bridge Works)**
- [b] Solvency Certificate of Valid Bank (Min. 20% of Amount Put to Tender) issued in current calendar year,
- [C] EMD / EMD Exemption & Tender Fee
- [D] Redi mix cement concrete (RMC) Plant
- [E] Pan Card & GST

8.7 LANGUAGE TO BE USED: -

The language for submission of above documents along with tender documents shall be ENGLISH. If information is provided in any another language, it shall be accompanied by a translation of its pertinent parts into ENGLISH. This translation will govern and be used for interpreting the information.

8.8 OPENING OF BID :-

- [A] The incomplete bid without proper schedules will be rejected.
- [B] The technical and Pre-Qualification Bid will be opened probably on dt. after IST 11.00 hours (and if not possible then on the next working day) in the office of the **Superintending Engineer, (R&B) Circle-1, Rajkot** and will be submitted to Screening Committee.
- 8.9** In no circumstances withdrawal is granted after opening of pre-qualification bid the offer will be valid up to 120 days after the deadline date for bid submission and during the period it will not be permitted to withdraw the offer in any case.
- 8.10** The enclosed schedules should be filled in completely and all questions should be answered. If any particular query is not relevant it should be stated as "NOT APPLICABLE".
- 8.11** Financial date, project costs, value of works etc. should be given in Indian rupees only.
- 8.12** For any clarification, the Engineer-in-charge i.e. **Executive Engineer, Devbhoomi Dwarka (R&B) Division, Khambhaliya**. to be contacted by having appointment on working day.
- 8.13** Bidder has to provide registration not lower than **Class-"AA" with Sp.Cat.I (Bridge)** registered with R&B Dept. Gujarat or equivalent class in other state or PWD shall be eligible for bidding.
- 8.14** If the application 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 of by a partner holding the power of attorney of the firm by signing of the application in which case a certified copy of power of attorney shall accompany the application. A certified copy of the partnership deed, current address of the firm and the full names, and current address of all the partners of the firm shall also accompany the application.
- 8.15** If the application is made by limited company or a limited corporation, it shall be signed by a duly authorised person holding the power of attorney for signing the application in which case, a certified copy of the power of attorney shall accompany the application. Such limited company or corporation will be required to furnish satisfactory evidence of its existence before the contract is awarded.
- 8.16** The information furnished must be sufficient to show that the applicant (along with the all parties) is a capable in all respects to successfully complete the envisaged contract works strictly on the basis of the applicant, (along with all parties) having already carried out satisfactorily works of similar size, nature and complexity.

8.17 The bidder while submitting the pre-qualification bid for the works shall be required to provide satisfactory evidence in respect of the information furnished by them in their application for pre-qualification regarding their structure and organization, financial position / arrangement, resources of the firm, including personnel and equipment, experience as well as works on hand etc. The applicant's attention is explicitly drawn to the fact that even after the pre-qualification of potential bidders has already carried out, all bidders shall include statement of the change that may have occurred since pre-qualification with particular reference to the various items listed above and then further price bid will be opened to successful Bidders only on the basis of careful scrutiny of all above information furnished by the applicant.

8.18 The applicant is expected to have visited the project site before submitting pre-qualification bid and tender documents. No cost for any clarification or visit to site etc. will be reimbursed by the employer.

8.19 While submitting the schedule duly filled in the applicant shall enclose the latest copies of brochures and prequalification documentation giving more information about the firm and all the members through screening (soft copy) only with E-tendering.

8.20 Constitution of screening committee is as under:

[i]	Chief Engineer (Saurashtra), R & B Dept., Gandhinagar.	Chairman
[ii]	Chief Engineer (South Gujarat), Gandhinagar.	Member
[iii]	Financial Adviser (R&B) Gandhinagar.	Member
[iv]	Superintending Engineer RC-1 Rajkot.	Member Secretary

8.21.1 Committee shall as certain whether the bids

- [i] Meet the eligibility requirements.
- [ii] Have been properly prepared for and are in proper format.
- [iii] Contain all the details called for and are in proper format.
- [iv] Are accompanied by required authorization and
- [v] Are otherwise generally in order.

8.21.2 The committee will evolve a suitable methodology for making assessment of the suitability of the firms who have applied for pre-qualification which will also include the following items.

(1) Eligibility :-

(a) For works having amount put to tender less than Rs. 50 crores.

- i. Bidder can be a firm having valid registration as per para (3) - a herein below.

~~———— (b) For Works having amount put to Tender equal to or more than 50 crores.~~

- ~~———— i. As per (a) I above or,~~
- ~~ii. Bidder can be a Joint Venture of not more than 3 firms.~~
- ~~a. Each partner firm should have valid registration as per para 3(a) herein below.~~
- ~~b. Lead Partner firm must have more than 51% financial participation and other members must have not less than 20% financial participation. (Total should be 100%).~~
- ~~iii. No firm can bid for a given work simultaneously as separate bidder and as a member of any joint venture. Both, the firm and joint venture shall stand disqualified in such case.~~

(2) Qualification criteria:-

(a) Annual Turn Over

- i. Annual turnover of any one of the last five financial years i.e. from **2021-22 to 2025-26** updated to the current financial year shall be more than **Rs. 14,01,29,000/-**
- ii. For arriving at updated value, turnover of any financial year shall be multiplied by the enhancement factor corresponding to that year. These enhancement factors shall be as given in para 4 herein below.
- iii. ~~For Joint venture, the lead partner must have updated annual turnover not less than **Rs. 7.15 crores**. (51% of **X**) and remaining of each partners must have updated annual turnover not less than **Rs.4.20 Crores** (30% of **X**). The joint venture must collectively have updated annual turn over not less than **Rs.14.02 crores (X)**.~~

~~[For guidance of deriving **X** : This value shall be derived by dividing amount put to tender by the time limit expressed in year/s for the proposed work].~~

(b) Successful experience

Bidder must have as prime contractor or as nominated (approved by employer) subcontractor successful experience as follows:

- i. At least one similar work having updated completion cost not less than **Rs.8,40,76,803=30** (40% of the amount put to tender of the proposed work) with minimum component of work executed as a single work as below.
- ii. Such work must have been completed within last five financial years. i.e. from 01/04/2021 to till the due date of bid for the proposed work.
- iii. A work would qualify as similar work only if it meets with definitions given in Appendix- A.
- iv. For updating completion cost of the work to the current financial year, procedure narrated in 2(a) ii shall mutatis mutandis apply.
- ~~v. For Joint Venture, qualifying threshold amount of updated completion cost would be.~~
 - ~~a. Lead member : **Rs.11.75 Crores** (75% of amount mentioned to b(i) i.e. 30% of Amount put to tender).~~
 - ~~b. Each of remaining members : **Rs.7.99 Crores** (51% of amount mentioned in b(i) i.e. 20.4% of amount put to tender).~~
- vi. Bidders who meet the minimum qualification criteria will be considered for this work.

APPENDIX-A

Definition of Similar Work:

1. ~~Read Works:~~

a) ~~Resurfacing / Renewal Work~~

- ~~(i) Any asphalt work done by paver such as DBM / BC / BUSG / & Road Furniture Work~~

OR

~~b) Widening work~~

~~(i) Widening up to 7mt of carriageway~~

- ~~(1) Any work of widening of carriageway from single / intermediate / substandard two lane carriageway to standard two lane (7.0mt) and should have items of WB< / WMM and paver laid asphalt work~~

Or

- ~~(2) New road construction work (minimum carriageway width not less than 3.5mt) involving items of WBM / WMM and paver laid asphalt work.~~

~~(ii) **Widening up to 10mt of carriage way**~~

- ~~(1) Any work of widening of carriageway to 10mt~~

~~Or~~

- ~~(2) Any work of carriageway widening involving addition of carriageway by 3.0mt~~

~~Or~~

- ~~(3) New road construction work (minimum carriageway width not less than 3.5mt) involving items of WBM / WMM and paver laid asphalt work~~

c) New Roads / Four laning / Six laning

- ~~(1) New road construction work (minimum carriageway width not less than 3.5mt) involving items of WBM / WMM and paver laid asphalt work.~~

~~Or~~

- ~~(2) Any Road work of widening of carriageway upto 10m involving items of WBM and WMM plus asphalt work done by paver.~~

~~Or~~

- ~~(3) Any Road work of carriageway widening involving addition of carriageway not less than 3.0m.~~

2. Bridge Works:

- (i) Any bridge work having completion cost more than 40% of the amount put to tender, and
- (ii) Bidder shall have experience during last 5 financial years of executing bridge/s involving similar type of foundation and superstructure.

3. Building Works:

~~a) **Building having frame / composite structure: G+3 storey**~~

- ~~(i) Any building having frame / composite structure~~

~~b) **Building having frame / composite structure: over G+3 storey**~~

- ~~(i) Any building having frame / composite structure of not less than G+4 storey~~

~~c) **Building having load bearing structure**~~

- ~~(i) Any building having load bearing structure~~

~~Experience of executing private building shall only be counted, if bidder establishes experience through submission of documents (para 3(e)i3) issued by the employer.~~

4. Any work which does not fall in above categories definition of nature of similar work shall be approved from competent authority.

(c) **Bid Capacity**

- i. The bidder must have **Available Bid Capacity (ABC)** more than the amount put to tender. i.e. **Rs. 21,01,92,008.23**

$$ABC = 2.0 * A * N - B$$

Where,

A is the maximum of updated total amount of works executed in any one year of the last five financial years i.e. from **2021-22 to 2025-26**.

N is the number of years prescribed for completion of the proposed work.

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

For the purpose of updating amount of works executed in any year, procedure narrated in para 2(a) ii shall mutatis mutandis apply.

Existing commitments shall include all such works for which letters of acceptance of the tenders have been received by bidder till the date on which bidder has submitted his bid for the proposed work.

- ii. ~~For Joint Venture, each member's available bid capacity shall first be reduced in proportion to his proposed financial participation. Sum of reduced available bid capacity of all the members should be more than the amount put to tender.~~

(3) **Other Requirements**

a. **Bidder's registration**

- i. Only those bidders shall bid whose names are borne on the approved list of registered contractors in the required class & category with Gujarat State R&BD / W.R.D. **(AA Class with Special Category-I (Bridge) & above with State of Gujarat.)**
- ii. The contractors, who are registered in appropriate category of C.P.W.D., M.E.S., Railways and Indian State Governments, can also bid provided the bidder produce such registration certificate at the time of bidding and obtain registration in required class & category from the Gujarat State R&BD /W.R.D. before issuing Work Order. Bidder will solely be responsible for obtaining the required registration.

b. LITIGATION HISTORY

The applicant should provide accurate information on litigation and/or arbitration resulting from Contracts completed or under execution by him over the last five years. A consistent history of arbitration awards / judgments against the applicant or any partner of a joint venture may result in disqualification for proposed work. 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.

Even though the Applicants meet the above criteria, they are subject to be disqualified if they have made misleading or false representation in the form, statement and attachments submitted and/or a record of poor performance such as abandoning the work, not properly completing the work, not properly completing the contract, delays in completion, litigation history, financial failure etc.

c. Machinery / Equipment

Bidder shall have to assure availability of machinery / equipment in working condition as per Appendix- B. In case of non-submission of below details, the bidder has to submit this availability of Machinery / equipment before issuance of work order. Machinery ownership document or lease / hire agreement for the work under tender shall be considered as valid proof for assured availability.

APPENDIX – B

Indicative List of minimum Plant & Equipment to be deployed on Contract Work

Sr. No.	Equipment type & Characteristic	
1	Tipper Trucks	15
2	Motor Grader	3
3	Dozer	1
4	Front end Loader	2
5	Smooth Wheeled Roller	3
6	Vibratory Roller	2
7	Hot Mix Plant with Electronic Controls (minimum 60 – 70)	0
A	Continuous Batch mix Plant* (Min 120 TPH)	0
8	Paver Finisher with Electronic Sensor*	0
9	Water Tanker	4
10	Bitumen Sprayer	0
11	Tandem Roller	1
12	Concrete Mixers with integral Weight batching facility	1
13	Concrete batch mixing (RMC) plant (minimum Capacity – 15 m ³ / Hour	1
14	Concrete paver capable of paving 7.5 meter width extensible to 10 m. in one single pass including all accessories. such as automatic dowel bar inserter integral vibratory system and electronic sensors ancillary equipment for applying curing compound, joint cutting etc.	0
15	Concrete Batch Mixing plant with automatic control minimum capacity – 100 cum/hour	0

d. Bidding in E-tendering

- i. Submission of application must be through e-tendering i.e Electronic from
- ii. Bidders shall have to submit the bid in E-Tendering form only.
- iii. Bids of those bidders who have submitted all information, statistical details as required in the bid documents through E-tendering will only be considered. If the employer desires any clarification, for verification / clarification, ambiguity or difference found in the documents/statistical details submitted online (by E-Tendering) by the bidder the same shall be furnished within stipulated time otherwise further processing will be carried out in absence of above and the bidders shall be liable for any consequence.
- iv. No bidder can participate in more than one bid for proposed work.

e. Submission of documents

- i. Following documents/papers shall form part of the bid.
 1. ~~JV agreement (when bidder is JV) clearly indicating the name of lead partner and percentage financial participation of each partner. JV agreement must also demonstrate responsibility of each partner. The JV agreement should be so signed as to be legally binding to all partners, jointly and severally.~~
 2. Annual turnover certificates issued by chartered accountant for last five financial years.
 3. Form-3A issued by employer to substantiate successful experience of similar work. When employer of similar work is not a government, following need also to be furnished
 - a. Self attested copy of Work Order
 - b. Self attested copy of agreement
 - c. Self attested copy of Completion certificate
 - d. Self attested copy of Final Bill
 - e. Self attested copy of TDS certificates
 - f. **Self attested copy of letter of permission given by employer for subletting the work.**
 4. Existing commitments and ongoing works as per schedule-E
 5. Litigation/Arbitration history
 6. Proof of assured availability of required Machinery/equipment
 7. An undertaking for truthfulness of information furnished
- ii. Any information, data, statistics etc. which are not related to bid document will not be considered in evaluation even though furnished by the applicant.
- iii. In accordance with stipulation of Para 3D(iii) Employer reserves the right to call any information / document which is mandatory, essential and critical for the purpose of evaluation. Any information provided by the applicant after last date of Electronic submission will not be considered in evaluation, unless except the employer has specifically asked for any

information / document, which is mandatory, essential and critical for evaluation of PQ document. If required information is not furnished within stipulated time, proposal will be liable for rejection.

- iv. If any of the information provided by the bidder is found false during scrutiny or at the later stage, his EMD shall be forfeited and he shall be disqualified for the proposed work. In case when bidder has furnished exemption certificate in lieu of EMD, an amount equal to EMD shall be appropriated from his FDR pledged to avail of exemption certificate. If any of the information provided by the bidder is found false after award of work, the performance security of the bidder shall be forfeited and the contract shall be terminated.

(4) Escalation Factors

Following enhancement factors will be applied to annual turnover and completion cost of works to bring them to the base year. The current financial year in which bid is invited shall be considered as the base year.

<u>Year</u>	<u>Financial year</u>	<u>Enhancement factor</u>
Base (Year of inviting tender)	2026-2027	1.00
-1	2025-2026	1.10
-2	2024-2025	1.21
-3	2023-2024	1.33
-4	2022-2023	1.46
-5	2021-2022	1.61

In case the financial figures and value of completed works are in foreign currency, current market exchange rate will be applied for the purpose of conversion foreign currency into Indian Rupees.

Applicant will indicate actual figures of costs and amounts in the schedule without accounting for the above mentioned factors.

(B) Site Laboratory : Contractor shall have to provide site laboratory and Quality Control Engineer at his own expenses to carry out field test (As per statement attached).

For this purpose a laboratory building measuring 25 Sq.mt. shall be constructed by the contractor which shall have necessary facility of light, water etc.

Note :-

- 1) *The above information may be furnished for each machinery and equipment listed herewith.*
- 2) *The location of machinery should be furnished in detail i.e. (i) Site of work (ii) Own Workshop (iii) Other places*
- 3) *The documents regarding ownership of machinery / equipment etc and self attested copies of hire purchase agreement if it must be enclosed and for to be procured the copy of work order placed shall be furnished. If leased indicated the date when the current lease expires.*
- 4) *Describe the fabrication and workshop facilities (a) to be set up at site (b) to be sub contracted locally (c) to be set up any other place with relevant details.*
- 5) *The above information shall be supported with necessary documents otherwise, the same shall be treated as null & void.*

PRE -QUALIFICATION APPLICATION

Description of work :- Construction of Khamnath Bridge in place of existing damaged arch bridge on River Ghee on Khambhalliya Porbandar Road in Khambhaliya Nagar Palika Limit on new alignment.

To,

The Superintending Engineer

Rajkot (R. & B) Circle-1,

Rajkot – 360 005.

Dear Sir,

Having examined the qualification documents including scope of work & time frame of construction, we hereby submit all the necessary information & relevant documents for qualifying us for bidding for (The above-mentioned works)

The application is made by us on behalf of
..... in the capacity of duly
authorized to submit the offer.

The necessary evidence admissible in law in respects of authority assigned to us on behalf of the firms for applying and for completion of the contract documents is attached herewith.

It is certified that the information furnished in these documents is authentic.

We undersigned accept the Employer (Govt.) reserve the right to reject any or all applications without assigning any reasons.

Date. :-

Signature of Applicant.
Name in Brackets including
Title & Capacity in which
Application is made.

Encl. :-

1. Schedule duly filled in the prescribed form with supporting documents
2. Evidence of authority to sign.
3. Latest brochures.
4. Require E.M.D. in form of FDR.

Performa C - 1

DECLARATION / UNDERTAKING

DECLARATION / UNDERTAKING

1. I / We agree that the decision of the **R & B Department, Sachivalaya, Gandhinagar** hereby referred as Client in selection of Applicants / Contractor, phasing of works and in any other Project related matter, will be final and bidding to me / us.
2. All the information and data furnished herewith are correct to my / our best of knowledge.
3. I / We agree that we have no objection if inquiries are made about our works, its related areas and any other inquiry regarding all details, projects and works listed by us in the Pre-Qualification document.
4. I / We also understand that furnishing of wrong information or hiding of any information shall be a cause for disqualification.

Date :

Signature with Seal of the Company

SCHEDULE – A

STRUCTURE AND ORGANISATION

1. Name of the Company :
Address :

Telephone No. :
Telex No. :
Fax No. :
Email Address :
2. Description of Company (For e.g.
General Civil Engineering Contractor
supplier of equipment etc.)
Type of firm
(a) Individual :
(b) Partnership :
(c) Limited Co, :
3. Registration and classification :
with the P.W.D.
4. Name and address of the bankers :
5. No. of year of experience as :
a contractor :
(i) In own country :
(ii) Internationally :
6. No. of year of experience :
as a Sub Contractor :
(i) In own country :
(ii) Internationally :
7. Name and address of the partner and :
associated companies to be involved in
subsidiary others
8. To be organization chart showing the :
structure of the company including
names and position of Directors and key
personnel

(Signature of Bidder)

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

SCHEDULE – B

FINANCIAL STATEMENT

(To be given separately for each partner for partnership firm)

1. Name of firm :

2. Capital
 - (a) Authorised :
 - (b) Issued & paid up :

3. Attach audited balance sheet & profit & loss statement for the past 5 (five) years :

4. Financial position (exact amount in Rupees to be stated) :
 - (a) Cash :
 - (b) Current Asset :
 - (c) Current Liability :
 - (d) Working Capital :
 - (e) Net worth :

5. Total liability
 - (a) Current Ratio : Current assets to current liabilities
 - (b) Acid test Ratio : Cash, Temporary investment held in lieu of cash & current receivable to current liabilities.
 - (c) Total liabilities Net worth :

Note :- Information asked against each item to be carefully filled in more preference to balance sheet in reply to above points is acceptable.

6. Annual value (turn over) of construction works undertaken for each of the last five years & projected for current (this will be calculated at the rate of 10% increased for each years). Annual turn over for the works.

Year	Current year 2026-27	One year before i.e. 2025-26	Two year before i.e. 2024-25	Three year before i.e. 2023-24	Four year before i.e. 2022-23	Five year before i.e. 2021-22
Home						
Abroad						

7. Net profit tax
- (a) Current period (2026-27) :
- (b) During the last financial year :
(2025-26)
- (c) During the course of the four :
financial years previous to last
financial years i.e. (2011-22 to
2024-25)
- The profit and loss statement have been
certified
Through by
.....
8. Applicant's financial arrangement for
proposed works (exact amount in
Rupees to be mentioned)
- (a) Own resources : Rs.
- (b) Bank Credits : Rs.
- (c) Other (specify) : Rs.
9. Certificate of financial soundness from :
bankers of applicants together with their
full address
10. Approximate value of works in hand : Rs.
11. Value of anticipate orders for next :
financial year.
Home
Abroad

Note :- Details of Item No. 10 and 11 are to be given in Schedule-E experience.

- Note :-**
- 1) Information asked against each item shall be carefully filled in any additional information shall be given separately duly signed.
 - 2) The above details supported by last financial year Balance sheet / profit & loss account etc. must be audited by the Chartered Accountant. And ITC shall be furnished if available.
 - 3) The above information shall be supported with necessary documents otherwise, the same shall be treated as null and void.
 - 4) Certified copies of actual audit report by Chartered Accountant for the financial year 2019-20 to 2023-24 shall have to be attached.

(Signature of Applicant)

SCHEDULE – C

PERSONAL

DETAILS OF PERSONNEL WITH THE APPLICANT (ON ROLL)

Name of Applicant :-

Sr. No.	Description	On Applicants Pay Roll
(1)	Project Manager	:
(2)	Site Engineer	:
(3)	Number of Engineering Graduates / under graduates	:
	a) Plant Engineer	
	b) Quantity Surveyor	
	c) Material & Quality Control Engg.	
	d) Survey Engineer	
(4)	Number of administrative graduates	:
(5)	Number of skilled employees	:
(6)	Number of Unskilled employees	:
(7)	Please indicate whether design wherever required as per conditions of bid, will be carried out in house or with the help of consultant. If in house, please indicate the details of designs carried out over the last few years. If to be done by back-up consultants please give the data such as name of the company, key personnel and professional qualifications, present position total experience, number of engineering staff under each category of specification and details of work executed.	:
(8)	1) In case of personnel at Sr. No. 1 to 4 please given name, qualification present position, professional experience and linguistic ability.	:
	2) The certified copy of degree / diploma engineers, qualification with an affidavit on stamp paper stating their appointment in the firm shall have to be attached with this schedule.	
	3) The above information shall be supported with necessary documents otherwise the same shall be treated as null & void.	

SCHEDULE - C-1

PERSONNEL

DETAILS OF PERSONNEL TO BE DEPLOY ON THIS PROJECT BY BIDDER

Name of the Applicant

Sr. No.	Description	Qualification	Minimum Requirement		Yes / No
			Number	Experience in Road works	
1	2	3	4	5	6
1	Project Manager	B.E. Civil	1	10 Year Exp. (5 years on Road / Highway construction)	
2	Site Engineer	B.E. Civil	2	10 Year Exp. (5 years on Road / Highway construction)	
3	Plant Engineer	B.E. Mech. / Diploma Mech.	1	5 Years Exp.	
4	Quantity Surveyor	B.E. Civil / Diploma Civil	1	5 Years on Road / 10 Years on Highway Construction	
5	Material & Quality Control Engineer	B.E. Civil / Diploma Civil	1	5 Years Exp. 10 Years Exp.	
6	Survey Engineer	B.E. Civil / Diploma Civil	1	5 Years Exp. 10 Years Exp.	

Note :- Availability for this work of project Manager having in degree in Civil Engineering with at least ten years experience including at least five years on Building / highway construction works and a material & quality control Engineer having degree in Civil Engineering with at least five years building construction experience including about three years on materials testing and quality control for road construction works including bituminous works & slab drain works is compulsory.

Signature of Bidder

SCHEDULE – D (Plant & Equipment proposed to be deployed by the Applicant)

Sr. No.	Name of Equipment	Total Requirement			Equipment in Hand (Owned)			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	15								
(2)	Motor Grader	3								
(3)	Dozer	1								
(4)	Front end Loader	2								
(5)	Smooth Wheeled Roller	3								
(6)	Vibratory Roller	2								
(7)	Hot Mix Plant with Electronic Controls (minimum 60 – 70)	0								
(8)	Continuos Batch Mix Plant Min. 120 TPH.	0								
(9)	Paver Finisher with Electronic Sensor*	0								
(10)	Water Tanker	4								
(11)	Bitumen Sprayer	0								
(12)	Tandem Roller	1								
(13)	Concrete Mixers with integral Wight batching facility	1								
(14)	Concrete batch mixing (RMC) plant. (minimum Capacity – 15 m ³ / Hour.	1								
(15)	Concrete paver capable of paving 7.5 meter width extensible to 10 m. in one single	1								

	pass including all accessories. such as automatic dowel bar inserter integral vibratory system and electronic sensors ancillary equipment for applying curing compound, joint cutting etc.									
(16)	Concrete Batch Mixing plant with automatic control minimum capacity – 100 cum/hour	0								
(17)	Slip form Paver	0								
(18)	Screed Vibrator	-								
(19)	Needle Vibrator	-								
(20)	Concrete Joint Cutter	-								
(21)	Trimix Assembly	-								
(22)	M.S. Channels	-								

Note :-

- 1) The above information may be furnished for each machinery and equipment listed herewith.
- 2) The location of machinery should be furnished in detail i.e. (i) Site of work (ii) Own Workshop (iii) Other places
- 3) The documents regarding ownership of machinery / equipment etc and self attested copies of hire purchase agreement if it must be enclosed and for to be procured the copy of work order placed shall be furnished. If leased indicated the date when the current lease expires.
- 4) Describe the fabrication and workshop facilities (a) to be set up at site (b) to be sub contracted locally (c) to be set up any other place with relevant details.
- 5) The above information shall be supported with necessary documents otherwise, the same shall be treated as null & void.

(Signature of Bidder)

SCHEDULE – E

EXPERIENCE ALL PROJECTS IN PROGRESS

Give information about all projects which are in progress including the company has received a letter of intent

/ Acceptance but a formal contract has not yet been awarded.

Employer	Engineer responsible for supervision	Location and description of works	Value of contract	Cost of work executed as on date of this bid	Remaining work to be executed as on date of this bid	Percentage of financial completion cost	Date of work order	Stipulated date of completion of work	Likely date of completion	Reasons for slow progress if any
1	2	3	4	5	6	7	8	9	10	11

Note :- Non disclosure of any information in the schedule will result in disqualification of the bidder.

(Signature of Bidder)

SCHEDULE – E1

EXPERIENCE RELEVANT (ROAD WORKS) PROJECTS COMPLETED

Please furnish information about relevant project (Road works) completed over the last five years

Name of Employer	Name of Location & type of Road contracted	Name of Engineer responsible for supervision	Contract price (Rs. in Crore)	Final value as per bill prepared by the employees	Additional amount released if any through court claims or by award or arbitrator	Date of work order	Stipulated date of completion of work	Actual date of completion	Reason for slow progress if any
1	2	3	4	5	6	7-A	7-B	7-C	8

Note :- Non disclosure of any information in the schedule will result in disqualification of the bidder.

(Signature of Bidder)

SCHEDULE – F

CONTRACT

COMPANY

EXPERIENCE

GEOGRAPHICAL

Summary of Experience of company in the Neighbourhood Project and / or Neighbourhood states.

SCHEDULE – G
DETAILS OF LITIGATION

Name of applicant / parties :-

Applicant should provide information on any. History of litigation or arbitration resulting from contracts executed in last five years or currently under execution.

Years	Award for / or against applicant	Name of client, Cause of litigation & matter of dispute	Disputed amount in rupees
-------	----------------------------------	---	---------------------------

Note :- *The above information shall be supported with necessary documents otherwise the same shall be treated as null & void. If the information to be furnished in this schedule will not be given & come to the notice subsequently will result in disqualification of bidder.*

(Signature of Applicant)

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)

Schedule - I

(Form No. 3 A (Self attested))

Referred to in Rules No. 5 to (b) (II)

DETAILS OF SIMILAR WORK COMPLETED

1. Name of Contractor :
2. Name of Work :
3. Estimated cost of Work put to tender :
4. Revised Estimated Cost :
5. Tender Amount :
6. Date of Starting the Work :
7. Date of completion of the work (As per contract agreement) :
8. Actual date of the Completion of work :
9. Amount of completed Work done :

Sr. No.	Main Component of Work	Qty. Executed	Amount Rs. In lacs
I	Earthwork		
II	GSB		
III	R.C.C. Works		

10. State whether the details as above given by the contractor are correct if not state as to what is the correct information. :
11. State whether the contractor has executed the work in progress. Satisfactory as per specification if not give the correct position of the work. :

12. Period rate & amount :
of compensation if
levied.
13. Period of extension :
granted if any
14. Reason for delay in :
granted if any
15. Any other remarks :
Particulars of work
completed.

Date :

SCHEDULE - K

BANK GUARANTEE

Where as M/s. _____ (here in after called the tender) is desirous and referred to tender for works in accordance with the terms and conditions of tender for the work of _____ and where as we Bank, agree to give the tenderer a guarantee for the Earnest Money.

1. Therefore we, hereby affirm that we are guarantors in behalf of the tenderer upto total Rs. _____ in words Rs. _____ (in figures) and we undertake to pay to Executive Engineer, (R & B) Division, Ahmedabad of judicial or to be specified) upto his first written demand, without demur, without delay and without the necessity of previous notice of judicial in administrative procedures and without the necessity to prove to the bank. The defects or short comings or debits of the contractor any sum within the limit of Rs. _____.
2. We further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the acceptance of tender. However, unless a demand of claim under this guarantee is made on us in writing on or before the _____ (date to be specified will not be less than 180 days from the date of opening the tender) we shall be discharged from all liabilities under the guarantee there after.
3. We under take not to revoke the guarantee during it currently except with the previous consent of the Executive Engineer, _____ Division, _____ in writing.
4. We lastly undertake not to revoke the guarantee for any charge in construction of the tender of the bank.

Date :

Signature & Seal of guarantee
Bank address.

ANNEXURE – 1

LAB TESTING EQUIPMENT

The Applicant shall provide adequate information for testing equipment and surveying equipment

	Name of Testing Equipment	Minimum Requirements	Equipment with Agency	
			Equipment in hand	Equipment to be procured
1	A - General Lab Equipment			
	a) Electronic balance 7 Kg. to 10 Kg. capacity semi self indication type accuracy 1 gm.	2 Nos.		
	b) Pan balance 10 kg capacity accuracy 0.01 gm	12 nos.		
	c) Electronic balance 500 gm capacity accuracy 0.001 gm	2 Nos.		
	II) Ovens-electrically operated thermostatically controlled 600 mm x 600 mm range upto 220 C and sensitivity 1 C.	2 No.		
	III) Sieves as per I.S. 460-1962	Full I.S. 3 Set.		
	V) Stop watches, 1/5 sec. accuracy	2 Nos.		
	Vi) Glassware comprising of beaker, pipettes, butters, conical and spherical as per required flasks, dishes, measuring, cylinders (100 to 1000 cc capacity) glass roads and funnels, glass thermometers range 0 C to 100 C.	Full I.S. Set.		
	Vii) Hot plates 200mm dia. (1500 watt)	10 Nos.		
	Viii) Enamel trays			
	a) 600mm x 450mm x 50mm	6 Nos.		
	b) 450mm x 300mm x 40mm	6 Nos.		
	c) 300mm x 250mm x 40mm	6 Nos.		
	d) Circular plates of 250mm dia.	6 Nos.		
	Xi) Small tools like scoop, hand shovel, trowel, shovel, trimming knife steel straight edge club hammers 91 kg and 1/2 kg) mallet, sieve brush, vernier calliper.	each as 4 Nos.		
	xii) Asbestos Gloves	3 Pairs		
	xiii) hydrometer	1 No.		
	xiv) Room temperature / atmosphere temperature thermometer.	2 Nos.		
	xv) Rain gauge	1 No.		
	xvi) Hydrometer	1 No.		
	xvii) First Aid Box	1 No.		
	Vi) Laboratory mixer including required accessories about 0.02 cum capacity electrical operated fitted with hitting jacket.	1 No.		

	Vii) Marshal stability apparatus electrically operated completed with all accessories as per ASTM11559-62 T.	0		
	viii) Core cutting machine with 10 cm and 15 cm die diamond cutting edge.	0		
	ix) Metallic & digital Thermometers range up to 300 C	4 Nos.		
	X) Apparatus for specific gravity of bitumen as per the relevant specification.	2 Nos.		
	Xi) Viscosity determination apparatus (Kinematics) as per the relevant IS specification.	0		
	Xii) Swell test apparatus to asphalt institute MS-2 NO-2 specification.	0		
	XIII) Densitometer Pavement quality Indicator (PQ) 301	0		
	IX) Asphalt Extraction	0.		
2	B - For Cement and Cement Concrete			
	I) Vicat needle apparatus as per IS-269-1967	1 No.		
	II) Moulds			
	a) 150mm dia. x 300mm height cylinder with capping component	As required		
	b) Cubes 150mm and 100mm size.	As required		
	c) Cubes 70.7 mm for cement mortar	As required		
	III) Concrete Permeability Apparatus as per the relevant IS specifications	1 No.		
	IV) High frequency mortar cube Vibrator for cement testing	1 No.		
	v) Concrete mixer power driven, 0.03 m3 capacity	1 No.		
	Vi) Variable frequency and amplitude vibrating table size 1 meter x 1 meter as per the relevant British standard.	1 No.		
	Vii) Flow table as per the relevant IS specifications.	4 Nos.		
	Viii) a) 2000 kN (Least count 10 kN) compression testing machine for concrete cube.	1 No.		
	b) 500 kN (least count 2 kN) compression testing machine for cement mortar cube.	1 No.		
	Ix) Equipment for slump test	4 Nos.		
	X) Equipment for determination of specific gravity for fine and coarse aggregate as per IS 2386 (part 3) 1963	1 No.		
	XI) Flexural attachments to compression testing machine.	1 No.		
	XII) Needle Vibrator	1 Nos.		
	VIII) Soundness testing apparatus for cement	1 Set.		
	IX) Rebound hammer for non destroyer test	1 No.		

3	C – For Control of Profile and surface Evenness			
	I) Total Station	1 Set.		
	II) Theodolite	1 Set		
	III) Precision automatic Level	2 Sets		
	IV) Precision Staff	3 Sets.		
	V) 3 Meter straight edge and measuring wedge	3 Sets.		
	VI) Camber templates 2 lane			
	a) Crown type cross – section	As per requirement		
	b) Straight run cross – section	As per requirement		
	VII) Steel taps of road			
	A) Steel tape	2 Sets.		
	B) 5 m long	20 Sets.		
	C) 10 m long	2 Sets		
	D) 20 m long	2 Sets		
	E) 30 m long	2 Sets.		

F- Any other equipment which is not mentioned here but which is necessary for complying with the provision of the Contractor or as required by the Engineer.

In the absence of any equipment as per test requirements of section 900 of MOST specification the same shall be provided by the contractor at any time as directed by the Engineer. No extra payment shall be made to the contractor.

Signature of Applicant

PROJECT INFORMATION

PROJECT INFORMATION

Name of Work : **Construction of Khamnath Bridge in place of existing damaged arch bridge on River Ghee on Khambhaliya Porbandar Road in Khambhaliya Nagar Palika Limit on new alignment.**

Salient Features:

Sr. No.	Description	Chainage
1	2	3
(1)	Bridge Work	As Per Above

CLIMATE:

(a) TEMPERATURE

The project road lies in the State of Gujarat. This state is situated in western part of Indian and has semi arid climate Ref. Index. Map. Large part of the state lies between 35° C and isotherms. May is the hottest month and January the coldest. The isotherm generally run east west and the temperature increase steadily as one moves southwards.

(b) RAIN FALL

Gujarat receives most of its rainfall from the south-west monsoon between June and September with maximum intensity in July and August. The monsoon arrives earlier in the south and east and last longer than in the northwest. Hence the rainfall intensity ranges from over 2400 mm in the southwest to less than 250 mm in the extreme west. Some depressions and cyclones in the Arabian Sea which move across the coastal area sometimes bring rains and strong winds in the months of April to June and October to November.

The State can be divided into four different rainfall Zones:

- (i) Areas with more than 1000 mm rainfall include the districts of Valsad, Dangs, Surat and the eastern parts of Bharuch with Rajpipla Hills.
- (ii) Areas receiving rainfall between 800 mm and 1000 mm include Panchmahals, Vadodara, Anand, Kheda and part of Ahmedabad.
- (iii) Areas having rainfall between 400 mm and 800 mm include Saurashtra and areas north of Ahmedabad.
- (iv) Areas receiving less than 400 mm rainfall include Kutch, Banaskantha and Coastal Jamnagar.

(c) HUMIDITY:

The relative humidity in all parts of the State, with the exception of the coastal areas is low in the summer the relative humidity varies from 75 and 80 percent in winter from 40 to 50 percent. The coastal areas, on the other hand, have moderately high humidity all the year round with a maximum in the summer months reaching as high as 90 percent.

(d) HYDROLOGY:

Raani & Gomati rivers are the major rivers (perennial) in the West of the Road which serves as the main water source for drainage

(e) TOPOGRAPHY:

Gujarat is located in western side of the India and bounded by the State of Rajasthan in the north, Madhya Pradesh in east and Maharashtra in south. It has also an international border with Pakistan on its north for length of about 360 km. The state of Gujarat covers a total area of 195,904 sq. km. and is situated between 20°06" to 24°42" North latitude and 68°10" to 74°24" East longitude. The state has the longest coastline in the country measuring about 1600 km along western part of India, extending from Lakhpat in North to Daman in the south.

The state is divided into five major physiographic divisions.

- (i) The Alluvial Plains extend in North Gujarat to Bhusar in the south, and westward to the little Rann and Banni area of Kachchh.
- (ii) The Eastern hilly tract lies between the altitude of 300 –1400 m and forms a major divide.
- (iii) Uplands of Kachchh and Saurashtra consist of sandstone shale and basalt rock with elevations of about 150-500 m sloping radically towards the coast. The Girnar hill forest is at an elevation 1117 m.
- (iv) The Eastern hilly tract lies between the altitude of 300 –14000 m and forms a major divide.
- (v) The low-lying coastal tract ranges in elevation from 3-25 m surrounding the Kachchh and Saurashtra uplands. These low lying areas extend from Rann of Kachchh to little Rann of Kachchh and to the low lying delta region of Bhadar, Bhoqavo, Mahl, Dhadar. Narmada and Tapi rivers.
- (vi) The Marshy to saline desert of Rann of Kachchh and little Rann of Kachchh extend into the saline Tracts around the Gulf of Cambay. This vast fields of salt mixed with clay is devoid of any vegetation or habitation. The general elevation of this tract varies between 3 To 10 Mtr.

(f) ACCESS TO SITE:

Devbhoomi Dwarka is the state capital is about 950 km. away from the National capital (New Delhi). The state is accessible by road, rail and air from the National capital as well as from other metropolitan cities of the country. The main arterial highway traversing through this state is NH-8 linking Delhi to Mumbai. It enters the state from Maharashtra and touches important towns of Rajkot enters into Maharashtra from its southern border. The starting point of site is situated in District Devbhoomi Dwarka 40 km away from Devbhoomi Dwarka.

(g) ROAD TRANSPORT FACILITY:

Passenger Road Transport in the state is mainly provided by Gujarat State Transport Corporation, a State Government undertaking Goods transport operation is with the private sector.

(h) COMMUNICATION FACILITIES:

The communication facilities in the State consist of post, telegraph, telex and fax. These facilities are provided by the Post and Telegraph Department of Government of India. Besides private sector operated courier, fax and other similar services, Government facilities also exists in all important cities of the state.

(i) MEDICAL FACILITY:

All the important cities have fully fledged Government medical Hospitals besides private clinics and nursing homes etc.

(j) PROJECT LAYOUT:

Project layout for the contracts is given in the Index Map.

(k) EXPECTED CONSTRUCTION PERIOD:

Expected construction period from contracts is 11 months (Three Months) from the date of award.

(l) FACILITY AND SERVICES PROVIDED BY THE EMPLOYER:

Free access to the work sites will be assured by the Employer for expected Agencies.

(m) OTHER RELEVANT INFORMATION:

1. Soil Characteristics

The Soils of Gujarat state can be classified into Black Cotton Soils, Alluvial Soils, Saline Alkaline Soils and desert Soils.

a) Black Soils : The black soils are either medium black or deep black.

i) Medium Black Soil:- Medium black soils are found in Saurashtra, some parts of Sabarkantha and Panchmahal district,

South – west of Ahmedabad and parts of Vadodara and Kachchh district. This soil type is not so deep. Soil textures clay loam to clayey.

.ii) Deep Black Soil. The deep black soils are found in the district of Vadodara, Bharuch, Surat and Valsad, Soil depth varies from less than one meter to as deep as six meters. These soils have very heavy clay content. Montmorillonite as per domination.

.b) Alluvial Soils : These soils in Gujarat are formed due to silting by Indus river system. These soils occur through Banaskantha district and the greater part of Mehsana and Sabarkantha. Ahmedabad, Kheda district, Further more alluvial soils also occur in the northern part of Vadodara and Jambusar and eastern part of Surat and Valsad district.

.c) Saline – Alkaline Soils : These soils are found in " Bhal Tract " of Bhavnagar, Ahmedabad, and Kheda district and also in southern part of state along the sea coast except in Bharuch, Surat and Valsad district. Saline soil is also found in portions Kachchh. Mehsana and Banaskantha district due to less rain – fall and high evaporation.

.d) Desert Soils : These are mainly found in Rann of Kachchh (Northern and north – eastern parts).

.e) Earthquake Zone : The District of Kachchh comes under the Zone-5 of the earth quake where as districts of Saurashtra comes under Zone-3 & Zone-4. The part of Bharuch district comes under Zone-4 where as other district of Gujarat comes under Zone-3. Since the district of Kachchh and some district of Saurashtra, part of Bharuch district comes under Earth quake Zones of moderate intensity, necessary precautions are to be taken for the construction works.

Executive Engineer
R & B Division
Devbhoomi Dwarka

TECHNICAL SPECIFICATION

TECHNICAL SPECIFICATIONS

1.0 PREAMBLE

1.1 The Technical Specifications contained herein shall be read in conjunction with the other Bidding Documents as specified in this Volume.

1.2 Site Information:

1.2.1 The information given here under and provided elsewhere is given in good faith by the Employer but the Contractor shall satisfy himself regarding all aspects of site conditions and no claim will be entertained on the plea that the information supplied by the Employer is erroneous or insufficient.

2.0 GENERAL REQUIREMENTS

The technical specifications in accordance with which the entire work described herein after shall be constructed and completed by the Contractor shall comprise of the: “SPECIFICATION”

2.1 Though “SPECIFICATION” for each item are attached with tender they are based on following:

- (1) “SPECIFICATIONS FOR ROAD AND BRIDGE WORKS” (Fifth REVISION printed in year 2001) issued by the Ministry of Road Transport & Highways (MORT&H), Government of India and Published by the Indian Roads Congress, hereinafter to as MORT&H Specifications.**
- (2) The General Technical Specifications for Road Works**
- (3) The General Technical Specifications for Bridge Works**
- (4) The General Technical Specifications for Asphaltic Works**
- (5) The General Technical Specifications for Building Works**

Note (2) To (5) are Conventional Specifications Booklets usually attached for (R&B) Works.

2.2 If, a particular clause (which is incorporated in “SPECIFICATION”) of specification booklets (1) To (5) above is Amended / Modified / Added upon then the Amendment / Modification / Addition shall supersede the relevant clause incorporated in “SPECIFICATION”

2.3 In so far as Amended/Modified/Added Clause may come in conflict or be inconsistent with any of the provisions of the MORT&H Specifications under reference, the Amended/Modified/Added Clause and the additional specifications shall always prevail.

2.4 In the absence of any definite provisions on any particular issue in the aforesaid Specifications, reference may be made to the latest codes and specification, of IRC and BIS in that order. Where even these are silent, the construction and completion of the works shall conform to sound engineering practice as approved by the ‘Engineer’ and, in case of any dispute arising out of the interpretation of the above, the decision of the ‘Engineer’ shall be final and binding on the Contractor.

Executive Engineer
Devbhoomi Dwarka R & B Division
Khambhaliya