



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

PRE – QUALIFICATION BID

NAME OF WORK :-

**Construction of Major Bridge on Damanganga River at
Aslona Bilona Mohapada Near Davleshwar Mahadev
Temple**

**Executive Engineer
Pan.(R & B) Division,
Valsad**

PRE – QUALIFICATION BID

Name of work :-

**Construction of Major Bridge on Damanganga
River at Aslona Bilona Mohapada Near
Davleshwar Mahadev Temple**

Implementation by :- Road & Building Department
 Government of Gujarat

State :- GUJARAT

Executive Engineer
Pan.(R & B) Division,
Valsad

Superintending Engineer
Pan.(R & B) Circle,
Surat

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1.0 INTRODUCTION

Documents for contractor's pre-qualification are invited for project namely **Construction of Major Bridge on Damanganga River at Aslona Bilona Mohapada Near Davleshwar Mahadev Temple**

The details of contract together with its probable estimated cost is 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 Sp. Cat-I (Bridge)** 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 under **"AA" Class with Sp. Cat-I (Bridge)** 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 Panchayat R&B Circle, Surat
Gujarat State on behalf of Governor of Gujarat

3.0 ENGINEER IN CHARGE

[1] Name : Executive Engineer, Panchayat (R & B) Division, **Valsad District**
Phone No.

4.0 **NAME OF WORK**

Name of Project :-

Name of Work :- **Construction of Major Bridge on Damanganga River at Aslona Bilona Mohapada Near Davleshwar Mahadev Temple**

Section :- As above

Chainage :- As above

District :- **Valsad**

Proposed Work :- **Major bridges (R.C.C T-BEAM DECK SLAB TYPE 14 SPAN 20 M =280 m)**

Estimated Cost :- **Rs. 18,60,66,272.30**

Time limit :- **18(Eighteen) Months including monsoon season**

5.0 **SCOPE OF WORK :-**

This work includes following Road, namely

Construction of Major Bridge on Damanganga River at Aslona Bilona Mohapada Near Davleshwar Mahadev Temple

The work of **New Major bridge** includes following items. Itemwise details of work is however as per Schedule-B named as price bid.

1.0 BRIDGE PROPER

2.0 Earthwork, Sub-Bases, Bases (Non- Bituminous) & Shoulders etc.

3.0 Bases and Surface Courses Bituminous

4.0 Road Safety measures and Road furniture

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 Major Bridge on Damanganga River at Aslona Bilona Mohapada Near Davleshwar Mahadev Temple** 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 Pre Qualified 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 Major Bridge on Umra Brahmddev Samba on Ambika River at Ch. 0/2 to 0/4 Ta: Mahuva. Dist: Surat**

Tender Size	Call of Tender	Award of Contract	Time Limit
For Civil work Rs. 18,60,66,272.30	Submission of two bid	Validity period of Tender offer is 120 days from the last date of submission bid	18 Months from the date of issue of order to start the work

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. Price Escalation for Labour and Materials including P.O.L. will be governed as per the documents and conditions of contracts finalized for the work. 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 **-06 -26.**

(B) Special Condition about Free maintenance guarantee for a period of four years after completion of work.

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

8.4 SUBMISSION OF BIDS :-

8.4.1 The Bidder shall furnish, as part of his Bid, a Bid security in the amount **Rs. 18.61 Lakhs** for this particular work. This Bid security shall be in favor of **Executive Engineer, Panchayat (R&B) Division, Valsad** and may be in one of the following forms.

- a. Bank Guarantee from any scheduled Indian bank, in the format given in Volume III. **(Bank Guarantee is applicable only for Bid Estimated Amount of 01 Crore and above)** and Bank Guarantee of Schedule and Private Banks shall be considered as per GoG Finance Department's Circular No. FD/MSM/e-file/4/ 2023/0057/D.M.O. Date 21/04/2023 or as per their latest amendment.
- b. Fixed Deposit Receipt issued by any Scheduled Indian Bank or a foreign Bank approved by the Reserve Bank of India.

OR

A Valid Bid Security / EMD Exemption Certificate issued by (1) Road & Building Department or (2) Narmada Water Resources, Water Supply and Kalpsar Department of Govt of Gujarat. **Exemption Certificate is applicable only when Registration Certificate of Appropriate Class and Category of Approved Contractors is required as eligible criteria of bidder.**

Bank guarantees (and other instruments having fixed validity) issued as surety for the bid shall be valid for 45 days beyond the validity of the bid i.e. total validity of 120+45 = 165 Days

Any bid not accompanied by an acceptable Bid Security and not secured as indicated in Sub-Clauses 16.1 and 16.2 above shall be rejected by the Employer as non-responsive.

The Bid Security of unsuccessful bidders will be returned within 28 days of the end of the bid validity period specified in Sub-Clause 15.1

16.5 The Bid Security of the successful bidder will be discharged when the bidder has signed the Agreement and furnished the required Performance Security.

16.6. The bid Security may be forfeited

- (a) If the Bidder withdraws the bid after Bid opening during the period of Bid validity.
- (b) If the Bidder does not accept the correction of the Bid Price, if any or
- (c) In the case of a successful Bidders, if the Bidder fails the specified time limit to
 - (i) Sign the Agreement; or
 - (ii) Furnish the requirement Performance Security.

#If found necessary, the bidder will be intimated for negotiation, He will be intimated maximum three times within the validity period for negotiation, If contractor does not respond in time, his Bid Security (EMD) will be forfeited and his tender will be rejected. Punitive action will be taken on such contractors. (As per GoG R&B Dept's Gr. No. S/22/2017/6369/D, Dt.08/06/2018)

Contractor should submit the D.D. of Tender fee & EMD in physical to Supdt. Engr., R & B Circle, Vadodara at the time of tender opening or send the same through form by

RPAD / Speed post so as to reach to the **Executive Engineer, Panchayat (R&B) Division, Valsad** in seal cover duly subscribing the name of work on or before **Dt. -06 -26 to -06 -26** during office hours. **(Tender fee & EMD should be in favour of Executive Engineer, Panchayat (R & B) Division, Surat payable at Valsad).**

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 **Major 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. -06 -26 to online website <https://tender.nprocure.com>**

[a] **Registration certificate of "AA" Class with Sp. Cat-I (Bridge)**

[b] List of works on hand

[c] Partnership Deed & Registered of Firms.

[d] Certificate from registering authority stating that the bidder has submitted deposit certificate of S.S.N.N.L. Bond.

[e] Valid power of attorney.

[f] F.D. / Demand Draft as shown in 8.4.1.

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 **date -06 -26** after IST 12.00 hours (and if not possible then on the next working day) in the office of the Superintending Engineer, Vadodara Pan (R&B) Circle, Surat and will be submitted to Screening Committee, (R&B) Deptt., Gandhinagar for approval.

- 8.9 Bids shall remain valid for a period of not less than 120 days after the deadline date for bid submission specified in Clause 15 of SBD.
- 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, Panchayat (R&B) Division, District Panchayat, Valsad** to be contacted by having appointment on working day.
- 8.13 Bidder has to provide registration not lower than **"AA" Class with Sp. Cat-I (Bridge)** registered with R&B Deptt. 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 (S.G.) & Additional Secretary
R&B Department, Sachivalaya, Gandhinagar | Chairman |
| [ii] | Chief Engineer (N.G.) & Addl. Secy, M.D., GSRDC,
Gandhinagar | Member |
| [iii] | Financial Advisor (R & B) Deptt. | Member |
| [iv] | Superintending Engineer, Panchayat (R & B) Circle,
Surat | Member |

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) CONSORTIUM / JOINT VENTURE~~
- ~~—— **JOINT VENTURE not allowed.**~~
- ~~(c) Registered firm on registered on contractor's list and firm registered as its sister concern on registered on contractor's list, both simultaneously cannot bid the same work till the completion of 3 years of registration of sister concern as registered contractor.~~

(2) Qualification criteria :-

(a) Annual Turn Over

The Applicant shall meet with the following minimum criteria:

- (a) Achieved a minimum annual financial turnover of **Rs. 1240.44 lacs**
(defined as billing for works in progress and completed in all classes of

civil engineering construction works only) in any one year, over the last five years of the annual value of contract / contracts applied for.

- (b) Experience in successfully completing or substantially completing at least one contract of **(Similar bridge works)** of at least 40 percent of the value i.e. **744.27 Lakhs** of proposed contract within the last five years.

~~The works may have been executed by the applicant as prime contractor or as a member of a joint venture or as a nominated sub-contractor. As subcontractor, he should have acquired the experience of execution of all major items of works under the proposed contract. In case a project has been executed by a joint venture, weight towards experience of the project would be given to each joint venture in proportion to their financial participation in the joint venture.~~

Substantially completed works means those works which are at least 90% completed as on the date of submission (i.e. gross value of work done up to the last date of submission is 90% or more of the original contract price) and continuing satisfactorily.

For these, a certificate from the employers shall be submitted along with the application incorporating clearly the name of the work, contract value, billing amount, date of commencement of works, satisfactory performance of the contractor and any other relevant information.

APPENDIX – A

➤ Definition of similar work :

➤ ~~Road Works~~

~~a. Strengthening & Widening / Resurfacing / Renewal work~~

- ~~i. Any asphalt work done by paver such as AC / BC / DBM / SDBC / BM / BUSG.~~

~~b. Widening work~~

~~i. Widening up to 7 mt. of carriageway~~

- ~~1. Any work of widening of carriageway to minimum 5.5 m carriageway and should have items of WBM / WMM and paver laid asphalt work.~~

~~OR~~

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

~~ii. Widening up to 10 mt. of carriageway~~

- ~~1. Any work of widening of carriageway to 10 m.~~

~~OR~~

~~2. Any work of carriageway widening involving addition of carriageway not less than 3.0 m.~~

~~OR~~

~~3. New road construction works (minimum carriageway width not less than 3.5 m) involving items of WBM/WMM & paver laid asphalt work.~~

~~c. **New Roads / Four lanning / Six lanning**~~

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

~~OR~~

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

~~OR~~

~~3. Any work of carriageway widening involving addition of carriageway not less than 3.0 m.~~

Note :- For prequalification cost of the work involving road widening is to be considered, if there is a package of works / single work consisting combination of resurfacing, strengthening and widening of roads, only cost of road widening carried out is to be considered for financial criteria. For example (1) if package consisting three road works in which one work is for strengthening, one work is for resurfacing and other work is for widening of road than cost of widening work is only to be considered for criteria of successful experience (2) If any single work consisting road works in which strengthening, resurfacing and widening of road than cost of widening work is only to be considered for criteria of successful experience.

➤ **Bridge Works**

- i. Major bridge work having completion cost more than 40% of the amount put to tender and
- ii. Bidder shall have experience during last 10 financial years of executing bridges involving similar type of foundation and superstructure.

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

(c) Bid Capacity

Applicants who meet the minimum qualification criteria will be qualified only if their available bid capacity at the expected time of bidding is more than the

total estimated cost of the works. The available bid capacity will be calculated as under:

Assessed Available Bid Capacity = (A x N x 2-B), where

A = Maximum value of work executed in any one year during the last five years (updated to the price level of the year indicated in appendix) taking into account the completed as well as works in progress.

B = Value at current price level of the existing commitments and ongoing works to be completed during the next **18 (Eighteen) months** (period of completion of work for which bids are invited); and

N = Number of years prescribed for completion of the works for which the bids are invited.

~~**Note :- In Case of joint venture, the available bid capacity will be applied for each partner to the extent of his proposed participation in the execution of the work.**~~

Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:

Made misleading or false representation in the forms, statements and Attachments the submitted in proof the qualification requirements; and / or
Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delay in completion, litigation history, or financial failures etc. and/ or

- Participated in the previous bidding for the same work and had quoted unreasonably high bid prices and could not furnish rational justification to the employer.
-

(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 & Sp. Cat-I (Bridge)** 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.

c. Machinery / Equipment

Bidder shall have to assure availability of machinery / equipments 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

➤ **Bridge works**

Sr. No.	Equipment type & Characteristic	Minimum required
(1)	Tipper Trucks	10 No.
(2)	Motor Grader	2 No.
(3)	Dozer	1 No.
(4)	Front end Loader	2 No.
(5)	Smooth wheeled roller	2 No.
(6)	Vibratory roller	2 No.
(7)	Continuous Drum mix Plant with electronic controls (minimum 60-70)	1 No.
(8)	Paver finisher with Electronic Sensor	1 No.
(9)	Water tanker	3 No.
(10)	Bitumen sprayer	1 No.
(11)	Tandem roller	1 No.
(12)	Concrete mixers with integral weigh batching facility	2 No.
(13)	Concrete batch mixing plant min. capacity 15 m ³ /hr	1 No.
(14)	Laboratory	1 No.

d. Bidding in E-tendering

i. Submission of application must be through e-tendering i.e Electronic form

- 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. Annual turnover certificates issued by chartered accountant for last five financial year.
 - 2. 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.**
 - 3. Existing commitments and ongoing works as per Schedule-E
 - 4. Litigation/Arbitration history
 - 5. Proof of assured availability of required Machinery/equipment
 - 6. 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.*

Executive Engineer
Panchyat (R & B) Division,
Valsad

PRE -QUALIFICATION APPLICATION

FORM OF BID

Description of the Works:

BID

To :

Address :

1. We offer to execute the Works described above and remedy any defects therein in conformity with the conditions of Contract, specification, drawings, Bill of Quantities and Addenda for the sum (s) of

(-----)

2. We undertake, if our Bid is accepted, to commence the Works as soon as is reasonably possible after the receipt of the Engineer's notice to commence, and to complete the whole of the Works in the Contract within the time stated in the document.
3. We agree to abide by this Bid for the period of 120 Days from the date fixed for receiving the same, and it shall remain binding upon it and may be accepted at any time before the expiration of that period.
4. Unless and until a formal Agreement is prepared and executed this Bid, together with your written acceptance thereof, shall constitute a binding contract betweenus.
5. We understand that you are not bound to accept the lowest or any tender you may receive.
Dated this ----- day of -----20
Signature ----- in the capacity of ----- duly
authorized to sign bids for and on behalf of -----

(in block capitals or typed)

Address :

Witness :

Address :

Occupation :

UNDERTAKING

(For Investment)

I, the undersigned do hereby undertake that our firm M/s
would invest a minimum cash up to **25%** of the value of the work during implementation of the
contract.

(Signed by an Authorized officer of the firm)

Title of officer

Name of firm

DATE

UNDERTAKING

(For Validity)

I, the undersigned do hereby undertake that our firm M/s
..... agree to abide by
this bid for a period days..... for date fixed for receiving the same and it shall be
binding on us and may be accepted at any time before the expiration of that period.

—

(Signed by an Authorized officer of the firm)

—

Title of officer

—

Name of firm

—

DATE

AFFIDAVIT

1. I, the undersigned, do hereby certify that all the statements made in the required attachments are true and correct.
2. The undersigned also hereby certifies that neither our firm M/s. _____ have not abandoned any work of Government of Gujarat/Government of India/any Board or Corporation under Government of Gujarat/Government of India nor any contract awarded to us for such works have been rescinded, during last five years prior to the date of this bid.
3. The undersigned hereby authorize(s) and request (s) any bank, person, firm or corporation to furnish pertinent information deemed necessary and requested by the Department to verify this statement or regarding any (our) competence and general reputation.
4. The Undersigned understands and agrees that further qualifying information may be requested, and agrees to furnish any such information at the request of the Department/ Project implementing agency.

(Signed by an Authorized Officer of the Firm)

Title of Officer

Name of Firm

Date

APPENDIX TO ITB
Clause Reference with respect to
Section –I

1. The Name of the Employer is **Executive Engineer, Panchayat (R & B) Division, Valsad** [Cl.1.1]
2. The last five years.
2025 – 2026
2024 – 2025
2023 – 2024
2022 – 2023
2021 – 2022
3. This Annual Financial Turnover Amount is **Rs. 1240.44 lacs** [Cl.4.5.3 (a)]
4. Value of Work is **Rs. 18,60,66,272.30**
5. Deleted
6. The cost of electric work is **Rs. 0.00**
7. The cost of water supply / sanitary works is Rs.
8. Liquid assets and / or availability of credit facilities is **Rs. 4657.17 lacs** [Cl.4.5.6]
9. Price level of the financial year **2026-2027** [Cl. 4.5.2]
10. The pre-bid meeting will take place at **Panchayat (R&B) Circle, Surat** [Cl. 9.2.1]
11. The technical Bid will be opened at the office of the **Superintending Engineer, Panchayat (R&B) Circle, Surat** on **Dt. /06/2026** at **12.0 AM**
12. Address of the Employer : **Executive Engineer, Panchayat (R & B) Division, Valsad**
13. Deleted
14. The bid should be submitted latest by **As stated on online NIT** [Cl. 20.1 & 20.2]
15. The bid will be opened at **Superintending Engineer, Panchayat (R&B) Circle, Surat** as stated on online NIT. [Cl. 23.1]
16. The Bank Draft in favor of **Executive Engineer, Panchayat (R & B) Division, Valsad**
17. Deleted
18. Escalation factors (for the cost of works executed and financial figure to a common base value) for works completed [Cl.4.5.2]

<u>Year</u>	<u>Financial Year</u>	<u>Multiplying 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

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. (2025-26 to
2022-23)

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.

(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) Incase 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

PERSONAL

DETAILS OF PERSONEL TO BE DEPLOYED 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 Bridge construction)	
2	Site Engineer	B.E. Civil	1	10 Year Exp. (5 years on Bridge construction)	
3	Plant Engineer	B.E. Mech. / Diploma Mech.	1	5 Years Exp. for B.E. /10 Yr exp. of D.M.E.	
4	Quantity Surveyor	B.E. Civil / Diploma Civil	1	5 Years on / 10 Years on Bridge 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	2 Years Exp. / 5 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 Bridge works and a material and quality control Engineer having degree in Civil Engineering with at least five years bridge construction experience including about three years on materials testing and quality control for road construction works including bituminous works and slab drain works is compulsory.

Signature of Contractor

Executive Engineer
Panchayat (R & B) Division,
Valsad

Proposed sub-contract and firms involved

Sections of the works	Value of Sub-Contractor	Sub-Contractor (Name & Address)	Experience in similar work

~~Attach copies of certificates on possession of valid license for executing water supply/ sanitary work/ building electrification works.~~

STATEMENT : 1-B

Similar single works completion statement (INITIAL SCREENING)

Name of Work :- Construction of Major Bridge on Damanganga River at Aslona Bilona Mohapada Near Davleshwar Mahadev Temple

Statement showing the details successful experience as prime contractor at least one similar nature of **Bridge** work costing the contract of more than **40%** of Estimated cost of **Rs. 744.27 lacs.** in the last five financial years i.e.

Division :- Panchayat (R & B) Division, Valsad

Circle :- Surat Panchyat (R & B) , Surat

Note :- For Checking criteria, rupee value to be increased by 10% each to bring it at current price level.

2021-22	1.61%
2022-23	1.46%
2023-24	1.33%
2024-25	1.21%
2025-26	1.10%
Year of inviting tender	
2026-27	1.00%

(As per Documents)

Rs. in lacs

Sr. No.	Name of the Applicant.	Date of Completion		Tender cost in Rs. in Lacs	Actual cost of work Rs. in Lacs	Weighted value of work done		Page No.	Name of Work	Name of Division	Remarks
		Stipulated	Actual			Year of Completion	Value Rs. in Lacs				
1	2	3	4	5	6	7	8	9	10	11	12

SCHEDULE – D

Plant & Equipment proposed to 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	10 No.								
(2)	Motor Grader	2 No.								
(3)	Dozer	1 No.								
(4)	Front end Loader	2 No.								
(5)	Smooth wheeled roller	2 No.								
(6)	Vibratory roller	2 No.								
(7)	Continuous Drum mix Plant with electronic controls (minimum 60-70)	1 No.								
(8)	Paver finisher with Electronic Sensor	1 No.								
(9)	Water tanker	3 No.								
(10)	Bitumen sprayer	1 No.								
(11)	Tandem roller	1 No.								
(12)	Concrete mixers with integral weigh batching facility	2 No.								
(13)	Concrete batch mixing plant min. capacity 15 m2/hr	1 No.								
(14)	Laboratory	1 No.								

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)

APPENDIX – D

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	Cost of work to be executed as on date of this bid	Percentage of Cost of work completion (Value of Col.5 / Value of Col.4) x 100	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 (Bridge works) PROJECTS COMPLETED

Please furnish information about relevant project (**Bridge 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 Lacs)	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 Neighborhood Project and / or Neighborhood states.

SCHEDULE – G
DETAILS OF LITIGATION

Information on Litigation history in which the Bidder is involved.

Other Party (ies)	Employer	Cause of Dispute	Amount Involved	Remarks showing Present Status

Note :- The above information shall be supported with necessary documents. If contractor fails to do same than he has to submit necessary documents whenever asked.

(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			
II			
III			

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 :

Executive Engineer
Panchayat (R & B) Division,
Valsad

Works Completed in Last Five Year

Quantities of work executed as prime contractor, work performed, in the past as a nominated sub-contractor, will also be considered provided the sub-contractor involved execution of all main items of work described in the bid document, provided, further that all other qualification criteria are called (in the same name and style) in the last five years and in current year before the submission of the bid.**

Year	Name of the work	Name of the Employer	Quantity of work performed (Cum/MT)				Remarks* (indicate contract Ref)
			Cement Concrete (Including RCC & PCC)	Masonry	Earth Works	Bituminous Work	
2025-2026							
2024-2025							
2023-2024							
2022-2023							
2021-2022							

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, pipettors, butters, conical and spherical as per required flasks, dishes, measuring, cylinders (100 to 1000 cc capacity) glass rods 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 ventire calliper.	each as 4 Nos.		
	xii) Aboestos 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	1 No.		

	hitting jacket.			
	Vii) Marshal stability apparatus electrically operated completed with all accessories as per ASTM11559-62 T.	1 Set		
	viii) Core cutting machine with 10 cm and 15 cm die diamond cutting edge.	1 No.		
	ix) Metallic & digital Thermometers range upto 300 C	6 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.	1 Set		
	Xii) Swell test apparatus to asphalt institute MS-2 NO-2 specification.	1 No.		
	XIII) Densitometer Pavement quality Indicator (PQ) 301	1 No.		
	IX) Asphalt Extraction	1 No.		
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	4 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 Eveness			
	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

1.0 INTRODUCTION

Bids from contractors for qualification are invited for a project of **Construction of Major Bridge on Damanganga River at Aslona Bilona Mohapada Near Davleshwar Mahadev Temple**. The details of contract sub-section together with its estimated costs are given in Para 4.0

General contractors, backed-up specialists who wishes to bid for this contract, should apply for qualification in the manner set out in this document. The other tender documents will be opened subsequently only of those parties selected by the employers, as having necessary qualification, suitability to perform the contract satisfactorily. Tender documents for technical bid along with "Price Bid" shall be available on line to Contractors / Firms. Contractors Registered in **"AA" Class with Sp. Cat-I (Bridge)** in Gujarat State, or the Highest Class of Registration to undertake Bridge work of unlimited amount in respect of other State with the State Public Works Department having turnover more than the estimated cost for the individual contract in any one year of the last five financial year or the Firm. The Firms having registration of other states authorities must get themselves registered in **"AA" Class with Sp. Cat-I (Bridge)** with the (R & B) Department Government of Gujarat before opening of the Price bid. If this is not done before opening of the Price bid their tender will not be considered. In this regard, the decision of the Superintending Engineer, Panchayat (R & B) Circle, Surat will be final. No claim on this account will be entertained.

Climate

(A) TEMPERATURE

The project road lies in the State of Gujarat. This state is situated in western part of India and has semi arid climate. Refer 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) RAINFALL

Gujarat receives most of its rainfall from the south-west monsoon between June and September with maximum intensity generally 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 250mm 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 1000mm rainfall include the district of Valsad, Valsad, Dangs, Surat and the eastern parts of Bharuch with Rajpipla Hills.
- (ii) Areas receiving rainfall between 800mm and 1000mm include Panchmahals, Vadodara, Kheda and part of Ahmedabad,
- (iii) Areas having rainfall between 400mm and 800mm include Saurashtra and areas north of Ahmedabad.
- (iv) Areas receiving less than 400mm rainfall include Kachchh 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

Narmada river & Tapi river are the major rivers (perennial) in the south of the state which serve as the main water source.

(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 northern length of about 360 Km. The state of Gujarat covers a total area of 195514 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 Bulsar 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 readily towards the coast. The Girnar hill forest is at an elevation 1117 m.
- (iv) The low lying coastal tract ranges in elevation from 3.285 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, Nhogavo, Mahl, Dhadar, Narmada and Tapi rivers.
- (v) 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 expanse of salt mixed with clay is devoid of any vegetation or habitation.

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 soil are found in the district of Vadodara, Bharuch, Surat, Valsad and Valsad. Soil depth varies from less than one meter to as deep as six meters. These soils have very heavy clay content.

(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 state along the sea coast except in Bharuch, Surat and Valsad district.

(c) Saline - Alkaline Soils :-

This 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 district of Saurashtra comes under Zone-3 & Zone-4. The part of Vadodara 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 Vadodara district comes under Earth quake Zones of moderate intensity, necessary precautions are to be taken for the construction works.

(F) ACCESS TO SITE

Gandhinagar the state capital is about 950 Km. 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 Rajasthan near Shamlaji and touches important towns of Ahmedabad and Vadodara and enters into Maharashtra from its southern border. The off shoots NH-8-A, 8B & 8C from NH-18 penetrate right up to western coast line. Index map at the end illustrates the accesses to various contacts by road rail and air. This index map also shows the important towns of Gujarat.

(G) ROAD TRANSPORT FACILITIES

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 are available. Both these Government and private facilities exist in all important cities of the state.

(I) MEDICAL FACILITIES

All the important cities have full 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 of contracts is **18 (Eighteen) Months including monsoon season** from the date of award of contract.

(L) FACILITY AND SERVICES PROVIDED BY THE EMPLOYER

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

Executive Engineer
Panchayat (R & B) Division,
Valsad