

STANDARD BIDDING DOCUMENT

PROCUREMENT OF

BUILDING WORKS

COMPLETE BIDDING DOCUMENT

PROJECT IMPLEMENTATION UNIT
HEALTH & FAMILY WELFARE DEPARTMENT



GOVERNMENT OF GUJARAT
HEALTH & FAMILY WELFARE DEPARTMENT
GANDHINAGAR

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**INVITATION FOR BID
(IFB)**

NATIONAL COMPETITIVE BIDDING

1. The Superintending engineer, PIU, Zone- 5, Dist. Kheda invites bids for the construction of works detailed in the table.
The bidders may submit bids for any or all of the following works.

TABLE

Package No.	:	
Name of work	:	New Construction of PHC Buildings with PM Room, Garage, Compound wall, Electricity and Furniture at Minavada Ta.: Mahudha Dist.: Kheda. (Budget 2026-27, ID.: 9207)
Approximate value of works (Rs.)	:	Rs. 1,59,55,366.00
Tender Fee (Rs.)	:	Rs. 3600.00
Bid security EMD (Rs.)	:	Rs. 1,59,553.00
Period of completion	:	9 (Nine) Months
Class of Registration / Category of contractor if required	:	"B" Class Spl Cat.-3 (Building) and Above from Gujarat State R & B Depts or similar Government Dept of Government of Gujarat only.

2. Prospective / Interested bidder may download the Bid Documents from website <https://www.nprocure.com> free of cost till the Time and Date as mentioned on online NIT at website <https://www.nprocure.com>.
3. However, Bidder who is submitting the Bid Online will have to pay the Bid Document Fee / Tender Fee through Demand Draft only of any Schedule Bank payable at Gandhinagar and in favor of **'PIU GENERAL FUND A/C 11-114'**. Once the Bid is received online, Bid Document / Tender Fee will not be refundable.
The Demand Draft for Bid Document / Tender fee and FDR / Bank Guarantee against Bid Security / EMD shall be submitted in electronic format through online (by scanning) while uploading the bid, this submission shall mean that bid document / tender fee and Bid Security / EMD has been received. Accordingly, the offer of only those shall be opened whose Bid Document / Tender Fee and Bid Security / EMD have been received electronically. However, for the purpose of realization of Demand Draft, and FDR / Bank Guarantee bidder shall send the same in original through R.P.A.D. so as to reach to 'Superintending engineer, Gandhinagar within 7 Days from the last day of bid submission.
Penalitive action for not submitting Demand Draft / FDR / Bank Guarantee in original to Superintending engineer / Tender Inviting Authority, PIU by bidder shall be initiated.
4. Bids received online, will be opened on the time, date and place as specified in the online NIT at website <https://www.tender.nprocure.com> in the presence of the bidders or their authorized representatives, who wish to remain present.
If the office happens to be closed on the day of opening of the bids as specified, the bids will be opened on the next working day at the same time and venue.
5. ~~A pre bid meeting will be held on at hrs. at the office of Superintending engineer at Gandhinagar to clarify the issues and to answer questions on any matter that may be raised at that stage as stated in clause 9.2 of 'instructions to Bidders' of the bidding documents.~~
6. Bid Security (EMD) is equal to 1% of Estimated Amount put to bid / tender and should be rounded off to the next thousand rupees.

7. Other Information is asunder:
 - A. Agencies can prepare and edit their offers a number of times before the end of the tender submission date and time. After the tender submission date and time, the bidder cannot modify / edit / withdraw their submitted offer in any case. No written or online request in this regard shall be granted.
 - B. Offers in physical form will not be accepted in any case.
 - C. Demand Draft purchased by the other than bidder and issued after the last date of submission of Bids, will not be considered or accepted.
 - D. The cost incurred by the contractor for this offer for clarification or attending discussion, conferences or site visits will not be reimbursed by the Employer or Engineer-in-Charge.
 - E. Conditional tender shall not be accepted.
 - F. Any changes, addition, alternation made in the prescribed form attached with tender are liable to be rejected.
 - G. Any change in format or conditional Bank Guarantee will not be accepted and the bidder will be considered non-responsive.
 - H. All the bidders are instructed to fill in information strictly in accordance with the format given in the checklist / qualification document / tender document.
 - I. It is mandatory for the bidders to supply each and every information as asked strictly in electronic format at appropriate places only.
 - J. Blank / insufficient information shall be treated as nil information and shall result in disqualification.
 - K. Even if the bidder has been qualified in a similar or larger size of project in the past, it shall not be deemed to be a ground / reason for not giving required information for this work / bid.
 - L. Information supplied for earlier projects shall not be considered while evaluation of this bid. The Government will not ask for any other information, unless it is found absolutely necessary by the competent authority.
 - M. If found necessary, the contractor will be intimated for negotiation,

For the works costing up to 7.5 crore (ROAD), 7.0 crore (BUILDING & BRIDGE) kindly refer to SSR-10-2015-17-C dated 03-02-2017

For the works costing under 7.5 crore for Road Works and 7.0 crore for Building and Bridge Works following documents shall be submitted in electronic format only through online by scanning and the (i) Bid Document Fee / Tender Fee (ii) Bid Security / EMD should be sent in original to the Tender opening authority through RPAD, so as to reach the Superintending Engineer within 7 days from last day of submission of Bid.

- (i) Bid Document Fee / Tender Fee **(From Bidders A/C Only)**
- (ii) Bid Security / EMD or Valid EMD Exemption Certificate of Appropriate Class of Registration of Approved Contractors
- (iii) Registration Certificate of Appropriate Class
- (iv) Registration Certificate of Special Category - Building
- (v) GST Number & PAN Number
- (vi) Work Experience, if necessary...
- (vii) EPF Registration Number & ESIC Registration Number
- (viii) Other Documents, as required...

SECTION - 1
INSTRUCTIONS TO BIDDERS
(ITB)

Section 1: Instructions to Bidders

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A. GENERAL

1. Scope of Bid

- 1.1 The Project Implementation Unit, Family Welfare Department, Government of Gujarat invites bids for the Construction of works(as defined in these documents and referred to as ‘the works’’) detailed in the table given in IFB. The bidders may submit bids for any or all of the works detailed in the table given in IFB.

The Project Implementation Unit, Family Welfare Department, Government of Gujarat, **New Construction of PHC Buildings with PM Room, Garage, Compound wall, Electricity and Furniture at Minavada Ta.:Mahudha Dist.: Kheda. (Budget 2026-27, ID.:9207)**

- 1.2 The successful bidder will be expected to complete the works by the intended completion date specified in the Contract data.
- 1.3 Throughout these bidding documents, the terms ‘bid’ and ‘tender’ and their derivatives (bidder/ tenderer, bid / tender, bidding/ tendering, etc.) are synonymous.

2. Source of Funds

- 2.1 The expenditure on this project will be met from the budget of Govt. of Gujarat / Govt. of India for centrally sponsored projects.

3. Eligible Bidders

- 3.1 This Invitation for Bids is open to all eligible bidders.
- 3.2 All bidders shall provide in Section 2, Forms of Bid and Qualification Information, a statement that the Bidder is neither associated, nor has been associated, directly or indirectly, with the consultant or any other entity that has prepared the design, specifications, and other documents for the Project or being proposed as Project Manager for the Contract. A firm that has been engaged by the Employer to provide consulting services for the preparation or supervision of the works, and any of its affiliates, shall not be eligible to bid.

4. Qualification of the Bidder

- 4.1 All bidders shall provide in Section 2, Forms of Bid and Qualification Information, a preliminary description of the proposed work method and schedule, including drawings and charts, as necessary. The proposed methodology should include a program of construction backed with equipment planning and deployment duly supported with broad calculations and quality assurance procedures proposed to be adopted justifying their capability of execution and completion of work as per technical specifications, within stipulated period of completion.
- 4.2 Deleted
- 4.3 Deleted
- 4.4 Deleted

#4.5 QUALIFICATION CRITERIA: (Applicable for the works which require Post Qualification)

- 4.5.1 Qualification will be based on Applicant’s meeting all the following minimum pass/fail criteria regarding the Applicant’s general and particular experience, personnel and equipment capabilities and financial positions, as demonstrated by the applicant’s responses in the forms attached to the letter of application (specified

requirement for joint ventures are given under para 4.6 below) Subcontractors experience and resources shall not be taken in to account in determining the applicants compliance with the qualifying criteria

To qualify for more than one contract, the applicant must demonstrate having experience and resources sufficient to meet the aggregate of the qualification criteria for each contract given in paragraphs 4.5.4, 4.5.5 and 4.5.9 below

~~4.5.2~~—Base year and Escalation

The base year shall be taken as Current financial year

Following enhancement factors will be used for the costs of works executed and the financial figure to a common base value for works completed in India.

<u>Year</u>	<u>Financial Year</u>	<u>Multiplying factor</u>
Base year of inviting tender	2023-24	1.00
-1	2022-23	1.10
-2	2021-22	1.21
-3	2020-21	1.33
-4	2019-20	1.46
-5	2018-19	1.61

Applicant should indicate actual figures of costs and amount for the works executed by them without accounting for the above-mentioned factors.

In case the financial figures and value of completed works are in foreign currency the above enhanced multiplying factors will not be applied. Instead, the current market exchange rate (State Bank of India BC Selling rate as on the last date of submission of the bid) will be applied for the purpose of conversion of the amount in foreign currency into India rupees.

~~4.5.3. General Experience.~~

The Applicant shall meet with the following minimum criteria:

(a) **~~Annual Turn Over~~**

Achieved a minimum annual financial turnover (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.

**~~Annual Turn Over shall be more than Rs. _____ Crore (i.e. X)
(for guidance of deriving X the value of X shall be derived by dividing amount put to tender by the time limit expressed in years for the project /work.)~~**

~~Joint Venture: Lead Partner & Second another Partner only (i.e. 1(Lead Partner)+1(Other Partner)~~

For Joint Venture: The Lead Partner must have updated annual turnover not less than Rs. _____ Crores. (51% of X) & remaining Partner must have updated annual turn over not less than Rs. _____ Crores. (30% of X).

The Joint Venture must collectively have updated annual turnover not less than Rs. _____ Crores. (i.e. X)

(b) Successful Experience

Experience in successfully completing or substantially completing at least one contract of **similar nature of** building works of at least 40 percent of the value 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. (as attached Form – 3A)

Bidder must have as prime contractor or as nominated (Approved by Employer) Sub Contractor successful Experience as follows:

- I. At least One similar work having updated completion cost not less than Rs. _____ Crores. (40 % of the Amount put to tender of the proposed work).
- II. Such Work must have been completed/ substantially completed (i.e. gross value of work done up to the last date of submission is 90 % or more of the original contract price) within last 5 financial years i.e. from 01/04/____ till the due date of bid for the proposed work.
- III. A work would qualify as similar work only if it meets with definition given in Appendix – A.
- IV. For updating completion cost of the work to the current financial year procedure narrated in Cl.4.5.2 and Appendix-2 ITB Section-1, Sr. No.18 itself mutatis mutandis apply.
- V. For Joint Venture, qualifying threshold amount of updated completion cost would be as per GR No. SSR/10/2015/17/C Dt. 20-06-2020 of Sr. No. 2(b) V or as mention here under:
 - (V-I) Lead Member: Rs. _____ Crores (75% of amount mention in (b) I. i.e. 30% of amount put to tender)
 - (V II) Other Member: Rs. _____ Crores (51% of amount mention in (b) I. i.e. 20.4% of amount put to tender)

4.5.4. Personnel Capabilities.

Availability for his work of personnel with adequate experience as required; as per

Appendix.

4.5.5. Equipment Capabilities

~~Based on the studies carried out by the Engineer, the minimum suggested major equipment to attain the completion of works in accordance with the prescribed construction schedule are shown in the Appendix.~~

~~The bidders should, however, undertake their own studies and furnish with their bid, a detailed construction planning and methodology supported with layout and necessary drawings and calculations to allow the employer to review their proposals. The numbers, types and capacities of each plant/equipment shall be shown in the proposals along with the cycle time for each operation for the given production capacity to match the requirements.~~

4.5.6. Financial Position

~~The Applicant should give undertaking that he has access to, or has available, liquid assets (aggregate of working capital, cash in hand and uncommitted bank guarantees) and / or credit facilities up to 25 percent of the value of the contract / contracts applied.~~

~~4.5.7. The audited balance sheets for the last five years should be submitted, which must demonstrate the soundness of the applicant's financial position, showing long term profitability including an estimated financial projection for the next two years, if necessary, the employer will make inquiries with the applicant's bankers.~~

4.5.8. Litigation History

~~The Applicant should provide accurate information on any litigation or arbitration resulting from contracts completed or under execution by him over the last five years. A consistent history of awards against the Applicant or any partner of a joint venture may result in failure of the applicant.~~

4.5.9. Disqualification

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

~~Made misleading or false representation in the forms, statements submitted, and / or Record of poor performance such as abandoning the work, rescinding of contract for which the reasons are attributable to the non – performance of the contractor; consistent history of litigation awarded against the applicant or financial failure due to bankruptcy. The rescinding of contract of a joint venture on account of reasons other than non – performance, such as Most Experienced partner of joint venture pulling out, court directions leading to breaking up of a joint venture before the start of work, which are not attributable to the poor performance of the contractor will, however, not affect the qualification of the individual partners.~~

**#4.6 JOINT VENTURE: (Maximum 2 Members i.e. 1 Lead & 1 Others)-
(Applicable only for estimated project cost of 50 Crore and above)**

4.6.1. Joint ventures must comply with the following requirement:

(a) Following are the minimum qualification requirements:

(i) The lead partners shall meet not less than 51 percent of all criteria given in para 4.5.3 (a) Annual Turn Over 4.5.3 (b) Successful Experience V-I & 4.5.6 above.

The joint venture must collectively satisfy the criteria of para 4.5.3 & 4.5.6 above. The experience of the other joint venture partners shall be considered if it is not less than 30 percent of the qualifying criteria in para 4.5.3 & 4.5.6 above.

(ii) Individually each member must satisfy the requirements of para 4.5.3(a), 4.5.3.(b), 4.5.7, 4.5.8 above and 4.7 below.

(b) Bid shall be signed so as to legally bind all partners, jointly and severally, and shall be submitted with a copy of the joint venture agreement providing the joint and several liabilities with respect to the contract.

4.6.2. Qualification of a joint venture does not necessarily qualify any of its partners individually or as a partner in any other joint venture. In case dissolution of a joint venture, each one of the constituent firms may qualify if they meet all the qualification requirements, subject to the written approval of the Employer.

4.7. 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*N*2-B), where

A = Maximum value of work executed in any one year during the last five financial years i.e. from 2018-19 to 2023-24 (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 (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. Some of the bid capacity of all the member shall be more than 4.7.

4.8 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 submitted in proof of 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.

5. One bid per bidder

5.1. Each bidder shall submit only one bid for one package. A bidder who submits or participates in more than one bid (other than as a subcontractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the bidder's participation to be disqualified.

6. Cost of Bidding

6.1. The bidder shall bear all costs associated with the preparation and submission of his Bid, and the Employer will in no case be responsible and liable for those costs.

7. Site Visit

7.1. The Bidder, at the Bidder's own responsibility and risk is encouraged to visit and examine the Site of work and its surrounding and obtain all information that may be necessary for preparing the Bid and entering into a contract for construction of the Works.

The costs of visiting the site shall be at the Bidder's own expense.

8. Bidders Registration Class and Building Category

8.1. Registration certificate of R & B Registered in AA Class with Special Category I (Building) / Water Resources Department, 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 and submit registration in required class & category from the Gujarat State R&BD/W.R.D before issue of work order in case they emerge as L-1 Bidder. Bidder will solely be responsible for obtaining and submitting the certificate before issue of work order.

B. BIDDING DOCUMENTS

9. Content of Bidding Documents

- 9.1 The set of bidding documents comprises the documents listed below and addenda issued in accordance with Clause 10:

Section	Particulars	Volume No.
-	Invitation for Bids	I
1	Instructions to Bidders	
2	Qualification Information, and other forms	
3	Conditions of Contract	
4	Contract Data	
5	Technical Specifications	II
6	Form of Bid	III
7	Bill of Quantities	
8	Securities and other forms	
9	Drawings	IV
10	Documents to be furnished by bidder	V

82. Volumes I, II, III and IV are available online and documents to be furnished by the bidder in compliance to section 2 will be prepared by him and furnished as Volume-V in two parts (refer clause 12).
83. The bidder is expected to examine carefully all instructions, conditions of contract, contract data, forms, terms, technical specifications, bill of quantities, forms, Annexes and drawings in the Bid Document. Failure to comply with the requirements of Bid Documents shall be at the bidder's own risk. **Pursuant to clause 26 hereof**, bids which are not substantially responsive to the requirements of the Bid Documents shall be rejected.

10. Clarification Bidding Documents

- 10.1 A prospective bidder requiring any clarification of the bidding documents may notify the Employer in writing or through E-mail at the Employer's address indicated in the invitation to bid. The Employer will respond to any request for clarification which he received earlier than 15 days prior to the deadline for submission of bids. Employer's response will be published on website including a description of the enquiry but without identifying its source.

9.2. Pre-bid meeting

- 9.2.1. The bidder or his official representative is invited to attend a pre-bid meeting which will take place at the address, venue, time and date as indicated in the appendix.

- 9.2.2. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
- 9.2.3. The bidder shall be required to submit any questions in writing or e-mail to reach the Employer not later than 03 days before the meeting.
- 9.2.4 Minutes of the meeting, including the question raised (Without identifying the source of enquiry) and the responses given will be published without delay on the tender website i.e. www.nprocure.com. Any modification of the bidding documents listed in sub-Clause 8.1 which may become necessary as a result of the pre-bid meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause 10 and not through the minutes of the pre-bid meeting.
- 9.2.5. Non-attendance at the pre-bid meeting will not be a cause for disqualification of a bidder.

11. Amendment of Bidding Documents

- 11.1 Before the deadline for submission of bids, the Employer may modify the bidding documents by issuing addenda.
- 10.2. Any addendum thus issued shall be part of the bidding documents. The Employer will assume no responsibility for the same.
- 10.3. To give prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the Employer may, at his discretion, extend as necessary the deadline for submission of bids, in accordance with Sub-Clause 20.2 below.

C. PREPARATION OF BIDS

12. Language of the Bid

12.1 All documents relating to the bid shall be in the English language.

13. Documents Comprising the Bid

12.1. The bid to be submitted by the bidder as Volume V of the bid document (refer Clause 8.1) shall be in two separate parts:

Part I shall be named "Technical Bid" and shall comprise

- (i) Bid Security in the form specified in Section 8
- (ii) Qualification Information and supporting documents as specified in Section 2
- (iii) Certificates, undertakings, affidavits as specified in Section 2
- (iv) Any other information pursuant to Clause 4.5 of these instructions
- (v) Undertaking that the bid shall remain valid for the period specified in Clause 15.1

Part II shall be named "Financial Bid" and shall comprise

- (i) Form of Bid as specified in Section 6
- (ii) Priced Bill of Quantities for items specified in Section 7

12.2. The Bidder shall submit the details / information pertaining to each part i.e. technical as well as financial and must be submitted online only.

12.3. Following documents will be deemed to be part of the bid.

Section	Particulars	Volume No.
	Invitation for Bids (IFB)	
1	Instruction to Bidders	Volume I
3	Conditions of Contract	
4	Contract Data	
5	Specifications	Volume II
9	Drawings	Volume IV

14. Bid Prices

14.1 The Contract shall be for the whole works as described in Sub-Clause 1.1, based on the priced Bill of Quantities submitted by the Bidder.

14.2 The bidder shall fill in rates and prices and line item total (both in figures and words) for all items of the Works described in the Bill of Quantities along with total bid price

(Both in figures and words). Items for which no rate or price is entered by the bidder will not be paid for by the Bill of Quantities.

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

- 14.4 Deleted

- 14.5 The rates and prices quoted by the bidder are subject to adjustment during the performance of the Contract in accordance with the provisions of Clause 47 of the Condition of Contract **(Irrespective of the time limit and Bid Amount)**

15. Currencies of Bid and Payment

- 15.1 The unit rates and the prices quoted by the bidder shall be entirely in Indian Rupees. All payments shall be made in Indian Rupees.

16. Bid Validity

- 16.1 Bids shall remain valid for a period of not less than 120 days from the date of technical bid opened.

- 16.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the bidders may extend the period of validity for a specified period. A bidder may refuse the request without forfeiting his bid security. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his security for a period of the extension, and in compliance with Clause 16 in all respects.

#16. Bid Security

- 16.1 The Bidder shall furnish, as part of his Bid, a Bid security in the amount as shown in column 4 of the table of IFB for this particular work. This Bid security shall be in favor of Employer as named in Appendix 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.**

- 16.2. 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 = 165Days
- 16.3. 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.
- 16.4. The Bid Security of unsuccessful bidders will be returned within 28 days of the end of the bid validity period specified in Sub-Clause15.1
- 16.5 The Bid Security of the successful bidder will be discharged when the bidder has signed the Agreement and furnished the required PerformanceSecurity.
- 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
 - (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 PerformanceSecurity.
 - (d) #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)

17. Alternative Proposals by Bidders.

- 17.1. Bidders shall submit offers that fully comply with the requirements of the bidding documents, including the conditions of contract (including mobilization advance or time for completion), basic technical design as indicated in the drawing and specifications. Conditional offers or alternative offers will not be considered further in the process of tender evaluation.

18. Format and Signing of Bid

- 18.1. The Bidder shall prepare documents comprising the bid as described in Clause 12 of these Instructions to bidder as the "Technical Bid "and "Financial Bid" in separate parts to be uploaded.

D. SUBMISSION OF BIDS

19. Deleted

20. Deadline for Submission of the Bids

- 20.1. Complete Bids must be received online by the Employer at the tender website specified above not later than the date indicated in appendix.
- 20.2. The Employer may extend the deadline for submission of bids by issuing an amendment in accordance with Clause 10, in which case all right and obligation of the Employer and the bidders previously subject to the original deadline will then be subject to the new deadline.

21. Deleted

22. Modification and Withdrawal of Bids

- 22.1. Bidders may modify or withdraw their bids online before the deadline prescribed in Clause 20 or pursuant to Clause 23.
- 22.2. Deleted
- 22.3. No bid shall be modified or withdrawn after the deadline for submission of Bid.
- 22.4. Withdrawal or modification of a bid between the deadline for submission of bids and the expiration of the original period of bid validity specified in Clause 15.1 above or as extended pursuant to Clause 15.2 may result in the forfeiture of the Bid security pursuant to Clause 16.

E. BID OPENING AND EVALUATION

23. Bid Opening

- 23.1 The Employer will open all the Bids received including modifications made pursuant to Clause 22, in the presence of the Bidders or their representatives who choose to attend at time, date and the place specified in Appendix in the manner specified in Clauses 20 and 23.3, In the event of the specified date of Bid opening being declared a holiday for the Employer, the Bids will be opened at the appointed time and location on the next workingday.
- 23.2. Deleted.
- 23.3. The “Technical Bid” shall be opened. The amount, form and validity of the bid security furnished with each bid will be announced. If the bid security furnished does not conform to the amount and validity period as specified in the invitation for bid (ref. Column 4 and paragraph 3), and has not been furnished in the form specified in Clause 16, the technical bid will not be opened.
- 23.4. (i) Subject to confirmation of the bid security by the issuing Bank, the bids accompanied with valid bid security will be taken up for evaluation with respect to the Qualification information and other information furnished in part I of the bid pursuant to Clause 12.1.
- (ii) If required, the bidder will be asked in writing to clarify his Qualification Documents with respect to any required clarification.
- (iii) The bidders will respond in not more than 7 days of issue of the clarification letter.
- (iv) Immediately (usually within 3 or 4 days), on receipt of these clarification the Evaluation Committee will finalize the list of responsive bidders whose financial bids are eligible for consideration.
- 23.5. Deleted
- 23.6 At the time of opening of “Financial Bid”, the names of the bidders were found responsive in accordance with Clause 23.4(iv) will be announced. The bids of only these bidders will be opened. The responsive Bidders’ names, the Bid prices, the total amount of each bid, any discount and such other details as the Employer may consider appropriate, will be announced by the Employer at the opening.
- 23.7 the time of opening of “Financial Bid”, the names of the bidders were found responsive in accordance with Clause 23.4(iv) will be announced. The bids of only these bidders will be opened. The responsive Bidders’ names, the Bid prices, the total amount of each bid, any discount, and such other details as the Employer may consider appropriate, will be announced by the Employer at the opening.
- 23.8 In case bids are invited for more than one package, the order for opening of the “Financial Bid” shall be in order of Estimated amount of Bids from highest to lowest.
- 23.9 The Employer shall prepare minutes of the Bid opening, including the information disclosed to those present in accordance with Sub-Clause 23.6.

24 Process to be Confidential

- 24.1 Information relating to the examination, clarification, evaluation, and comparison of Bids and recommendations for the award of a contract shall not be disclosed to Bidders or any other persons not officially concerned with such process until the award to the successful Bidder has been announced. Any effort by Bidder to influence the Employer's processing of Bids or award decisions may result in the rejection of his Bid.

25. Clarification of Financial Bids

- 25.1. To assist in the examination, evaluation, and comparison of Bids, the Employer may, at his discretion, ask any Bidder for clarification of his Bid, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by e-mail, but no change in the price or substances of the Bid shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Bids.
- 25.2 Subject to sub-clause 25.1, no Bidder shall contact the Employer on any matter relating to his Bid opening to the contract is awarded. If the Bidder wishes to bring additional information to the notice of the Employer, it should do so in writing.
- 25.3. Any effort by the Bidder to influence the Employer in the Employer's bid evaluation, bid comparison or contract award decision may result in the rejection of the Bidders' bid.

26. Examinations of Bids and Determination of Responsiveness

- 26.1 During the detail evaluation of "Technical Bid", the Employer will determine whether each Bid (a) meets the eligibility criteria defined in Clause 3 and 4; (b) has been properly signed; (c) is accompanied by the required securities and; (d) is substantially responsive to the requirements of the Bidding document. During the detailed evaluation of the "Financial Bid", the responsiveness of the bids will be further determined with respect to the remaining bid conditions, i.e., priced bill of quantities, technical specifications, and drawings.
- 26.2 A substantially responsive "Financial Bid" is one which confirms all the terms, conditions and specifications of bidding documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the Bidding documents, the Employer's rights or the Bidder's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.
- 26.3 If a "Financial Bid" is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

27. Deleted

28. Deleted

29. Evaluation and Comparison of Financial Bids

- 29.1. The Employer will evaluate and compare only the Bids determined to be substantially responsive in accordance with Sub-Clause 26.2.
- 29.2. Deleted.
- 29.3. The Employer reserves the right to accept or reject any variation or deviation. Variation and deviations and other factors, which are in excess of the requirements of the Bidding documents or otherwise result in unsolicited benefits for the Employer, shall not be taken in to account in Bid evaluation.
- 29.4. The estimated effect of the price adjustment conditions under Clause 47 of the Conditions of Contract, during the period of implementation of the Contract, will not be taken in to account in Bid evaluation.
- 29.5. If the Bid of the successful Bidder is seriously unbalanced in relation to the Engineer's estimate of the cost of work to be performed under the contract the Employer may require the Bidder to produce detailed consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the performance security set forth in Clause 34 be increased at the expense of the successful /bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract.
- 29.6. A bid which contains several items in the bill of Quantities which are unrealistically priced low and which cannot be substantiated satisfactorily by the bidder may be rejected as non-responsive. (Applicable for item rate tender only)

30. Deleted

F. AWARD OF CONTRACT

31. Award Criteria

31.1. Subject to Clause 32, the Employer will award the contract to the Bidder whose Bid has been determined.

- (i) to be substantially responsive to the Bidding documents and who has offered the lowest evaluated Bid Price; and
- (ii) to be within the available bid capacity adjusted to account for his bid price which is the lowest evaluation in any of the packages opened earlier than the one consideration.

In no case, the contract shall be awarded to any bidder whose available bid capacity is less than the evaluated bid price, even if the said bid is the lowest evaluated bid. The contract will in such cases be awarded to the next lowest bidder at his evaluation bid price.

32. Employer's Right to Accept any Bid and to Reject any or all Bids

32.1. Notwithstanding Clause 31, the Employer reserves the right to accept or reject any Bid, and to cancel the Bidding process and reject all Bids, at any time prior to the award of contract, without thereby incurring any liability to the affected bidder or Bidder or any obligation to inform the affected Bidder or Bidders of the grounds for the Employer's action.

33. Notification of Award and Signing of Agreement

33.1. The Bidder whose Bid has been accepted will be notified of the award by the Employer prior to expiration of the Bid validity period by cable, telex or facsimile confirmed by registered letter. This letter (hereinafter and in the condition of contract called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

33.2 The notification of award will constitute the formation of the contract, subject only to the furnishing of a performance security in accordance with the provisions of Clause.

33.3. The Agreement will incorporate all agreements between the Employer and the successful Bidder. It will be signed by the Employer and to the successful Bidder, within 28 days following the notification of award along with the Letter of Acceptance. Within 21 days of receipt, the successful Bidder will sign the Agreement and deliver it to the Employer.

33.4. Upon the furnishing by the successful Bidder of the Performance Security, the Employer will promptly notify the other Bidders that their Bids have been unsuccessful.

34. Performance Security

34.1. (A) Within 10 (Ten) days of receipt of Letter of Acceptance, the successful Bidder shall furnish to the Employer an irrevocable and unconditional guarantee from a Bank in the form set forth in Section 8 (the "Performance Security") for an amount equal to 5% (five percent) of its Contract Price. In case of bids mentioned below, the successful Bidder, along with the Performance Security,

shall also furnish to the Authority an irrevocable and unconditional guarantee from a Bank in the same form given at Section 8 towards an Additional Performance Security (The “Additional Performance Security”) for an amount calculated as under:

- (a) If the Contract Price offered by the Selected Bidder is lower than 10% but upto 20% of the Estimated Project Cost, then the Additional Performance Security shall be calculated @ 20% of the difference in the (i) Estimated Project Cost (as mentioned in Bid Document) - Minus 10% of the Estimated Project Cost and (ii) Contract Price offered by the selected Bidder.
 - (b) If the Contract Price offered by the Selected Bidder is lower than 20% of the Estimated Project Cost, then the Additional Performance Security shall be calculated @ 30% of the difference in the (i) Estimated Project Cost (as mentioned in Bid Document) - Minus 10% of the Estimated Project Cost and (ii) Contract Price offered by the selected Bidder.
 - (c) This Additional Performance Security shall be treated as part of the Performance Security.
- (B) The Performance Security shall be valid beyond 60(sixty) days of the Defects Liability Period and the Additional Performance Security shall be valid beyond 28 (twenty-eight) days of Project Completion Date.

- 34.2. If the performance security is provided by the successful Bidder in the form of a Bank Guarantee, it shall be issued either (a) at the Bidder’s option, by a Nationalized/Scheduled Indian bank or (b) by a foreign bank located in India and acceptable to the Employer. 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.
- 34.3. Failure of the successful Bidder to comply with the requirement of Sub-Clause 34.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Bid Security.

35 Advance Payment and Security

- 35.1 The Employer will provide an Advance payment on the Contract Price as stipulated in the Conditions of Contract, subject to maximum amount, as stated in the Contract Data.

36. Deleted

37. Corrupt or Fraudulent Practices

- 37.1 The Employer will reject a proposal if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in completing for the contract in question and will declare the firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract with National Highways Authority of India/ State PWD and any other agencies, if it at any time determines that the firm has engaged in corrupt or fraudulent practices in completing for the contractor, or in execution.
- 37.2 Furthermore, Bidders shall be aware of the provision stated in Sub- Clause 59.2 of the Conditions of Contract.

APPENDIX TO ITB

Clause Reference

With respect to

Section -I

1. The Name of the Employer is Principal Secretary, Health and Family Welfare Department [Cl.1.1]
2. ~~The last five/Seven years.~~
~~20___-20___~~
~~20___-20___~~
~~20___-20___~~
~~20___-20___~~
~~20___-20___~~
~~20___-20___~~
~~20___-20___~~
3. ~~This Annual Financial Turnover Amount is Rs.~~ [Cl.4.5.3 (a)]
4. Value of Work is Rs. 10338812.10
5. Deleted
6. The cost of electric work is Rs. Included in Main work
7. The cost of water supply / sanitary works is Rs. Included in Main work
8. Liquid assets and / or availability of credit facilities (i.e.25% of contract value/ estimated cost) is Rs. [Cl.4.5.6]
9. ~~Price level of the financial year~~ {Cl. 4.5.2}
10. The pre-bid meeting will take place at [Cl. 9.2.1]
11. The technical Bid will be opened at the office of the.....ondt..... atAM/PM
12. Address of the Employer:
13. Deleted
14. The bid should be submitted latest by [Cl. 20.1 & 20.2]
As stated on online NIT
15. The bid will be opened at [Cl. 23.1]
As stated on online NIT
16. The Bank Draft in favour of "PIU GENERAL FUND
A/C 11-114"
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	20__-20__	1.00
-1	20__-20__	1.10
-2	20__-20__	1.21
-3	20__-20__	1.33

-4	20 <u> </u> -20 <u> </u>	1.46
-5	20 <u> </u> -20 <u> </u>	1.61
-6	20 <u> </u> -20 <u> </u>	1.77
-7	20 <u> </u> -20 <u> </u>	1.95

#LIST OF KEY PLANT & EQUIPMENT TO BE DEPLOYED ON CONTRACT WORK

[Reference CL. 4.5.5]

For building works upto 2 Cr. and as mention under:

The contractors shall also give a list of machineries in his possession and which they propose to use on the work.

Sr. No.	Plant or Machinery	Nos.	Location	Age of Machinery (maximum 15 years)	Make	Capacity	Approximate Value	Remark
1	2(a)	2(b)	2(c)	3	4	5	6	7
1	Tipper Trucks	2	-					
2	Concrete mixer with integral way batch facility	2						
3	Needle Vibrator	4						
4	Surface Vibrator	2						
5	Diesel Generator	1						
6	Concrete Conveying System and Trolley	1						
7	Excavator	1						
8	Steel/ Wooden shuttering (Scaffolding, props)	2000 Sqmt						
9	Concrete breaker	1						
10	Surveying Equipment (Total Station & Other)	1						
11	Welding machine	1						
12	Bar Bending and Cutting machines	1						
13	Goods lift for	1				minimum capacity of 300 Kg.		
14	Water tanker	1						

For building works more than Rs. 2 Cr. and less than Rs.7 Cr. as mention under:

The contractors shall also give a list of machineries in his possession and which they propose to use on the work.

Sr. No.	Plant or Machinery	Nos.	Location	Age of Machinery (maximum 15 years)	Make	Capacity	Approximate Value	Remark
1	2(a)	2(b)	2(c)	3	4	5	6	7
1	Tipper Trucks	3	-					
2	Concrete mixer with integral way batch facility or Concrete batching plant with automatic way batching facility (15 CMT Capacity)	3 Or 1						
3	Needle Vibrator	4						
4	Surface Vibrator	2						
5	Diesel Generator	1						
6	Concrete Conveying System and Trolley	1						
7	Excavator	1						
8	Steel/ Wooden shuttering (Scaffolding, props)	5000 Sqmt						
9	Concrete breaker	1						
10	Surveying Equipment (Total Station & Other)	1						
11	Welding machine	1						
12	Bar Bending and Cutting machines	1						
13	Goods lift for	1				minimum capacity of 300-Kg.		
14	Water tanker	2						

For building works more than Rs.7 Cr. as mention under (Sub District Hospitals, District Hospitals, Teaching Hospitals, Medical Colleges, Hostels and Other buildings):

The contractors shall also give a list of machineries in his possession and which they propose to use on the work.

Sr. No.	Plant or Machinery	Nos.	Location	Age of Machinery (maximum 15 years)	Make	Capacity	Approximate Value	Remark
1	2(a)	2(b)	2(c)	3	4	5	6	7
1	Concrete batch-mix plant with electronic control panel Minimum-30Cu.Mt/Hr. Admixture unit	1	-					
2	Hopper Mixer	4						
3	Steel/ Wooden shuttering (Scaffolding, props) or as suggested by Engineer in Charge	10000 Sqmt.						
4	Steel props (with Adjustable accessories)	20000 Nos.						
5	Excavator	3				Poelan 0.9 Cmt. Bucket capacity		
6	Trucks / Dumpers with capacity not less than 5 Cum	5						
7	Concrete mixture machine with integral weigh batching facilities	5						
8	Needle Vibrator	10						
9	Surface vibrators	10						
10	Laboratory set up List of site Laboratory Testing Machines (Attach Separate List)	1						
11	Air compressor	2 (Big, Small)						
12	Concrete breaker	2						
13	Welding machine	2				minimum capacity of 300-Kg.		
14	Surveying Equipment (Total Station & Other)	2						
15	Construction Tower Cranes (20 Tone)	1						
16	Bar Bending and Cutting machines	3						
17	Goods cum lift for minimum capacity of 300 Kg.	2						
18	Water Tanker	3						
19	Concrete pouring Pump and Motor	2 set						
20	RMC Transit Mixture	6						
21	Suspended Scaffold	5000 Sqmt						

List of Key Personnel to be deployed on Contract Work (Reference Cl. 4.5.4)

Employment of a qualified site Engineer by the Contractor.

The Contractor shall employ full-time technically qualified staff during the execution of this work as under: -

1. One graduate Civil Engineers and One diploma Civil Engineers when cost of the work to be executed is more than Rs.50lakhs but less than Rs.200 lakhs and above Rs. 2 Cr. to Rs. 7 Cr. additional One graduate Electrical Engineer and above Rs. 7 Cr. for Sub District, District Hospital, Medical College additional as per table mention at Sr.No. 5
2. One graduate & two Diploma, Civil Engineers when the cost of the work to be executed is more than Rs.15 lakhs but less than Rs.50lakhs.
3. Minimum one Diploma Civil Engineer when the cost of work is less than Rs.15 lakhs but more than Rs.5lakhs.
4. Minimum two Diploma Civil Engineers for the work when the cost of work to be executed is less than Rs. 5 lakhs. The Engineer so employed for the Government work must have sufficient experience to handle the work independently. Such an Engineer shall have to stay at the site of work and he shall not be entrusted with other duty except thiswork.

5. And Additional as under:Table to add

Bidder should propose the structure and composition of the team dedicated for carrying out the Assignment. Bidder should list the main disciplines of the assignment, the key personnel responsible, and proposed technical and support staff. The personnel schedule shall be consistent with the approach and methodology, detailed work plan, activity schedule.				
Sr- No	Position	No. Of Resources	Min Qualification	Deployment
Key Personal				
1	Project Manager	1	BE (Civil) + 15 Years' Experience into Construction Work or M.E. + 10 Year Experience	Full time for Project
2	Project Engineer	1	BE (Civil) + 10 year	Full time for Project
2	Sr. Civil Engineer	2	BE (Civil) + 7 Year of Experience into Construction Works or M.E. + 5 Year Min, Min 1 Engineers know AutoCAD Application	Full time for Project
3	Jr. Civil Engineer	3	BE (Civil) +3 Year of Experience into Construction Works, Min 2 Engineers know AutoCAD Application	Full time for Project
4	Sr. MEPF Engineer	1	BE (Electrical / Mechanical) + 7 Year of Experience into Construction Works	Full time when concern work ongoing
5	Sr. Electrical Engineer	1	BE (Electrical) + 7 Year of Experience into Construction Works	Full time when concern work ongoing
6	Jr. Electrical Engineer	2	BE (Electrical) + 3 Year of Experience into Construction Works	Full time when concern work ongoing
7	Sr. Mechanical Engineer	1	BE (Mechanical) + 5 Year of Experience into Construction Works	Full time when concern work ongoing
8	Structural Design Expert	1	ME (Structure) + 5 Year of Experience	Periodic Visit / As and when required
9	Bio Medical	1	Shall Have experience of Min 5 Years	Periodic Visit / As

	Specialist			and when required
10	Surveyor	1	Diploma (Civil) or ITI (Survey) At least 5-year experience	Full time for Project
11	Safety Engineer	1	Graduate (Civil Engineer)	Full time for Project
12	Lab Technician	1	BE (Civil) + 3 Years Experience / Diploma (Civil) + 5 Years Experience	Full time for Project
13	Store Keeper	1	-	Full time for Project
14	Administrative Team (Computer Operator)	2	Sufficient Manpower to be deploy to make sure all requirement of resources are available at all time so that work should not affected.	Full time for Project
15	Purchase Team	2		

Within 15 days of issue of work-order the Contractor will have to furnish to the Deputy Executive Engineer-in-charge of the work the Name, Qualifications, copy of marksheet, Colour Photograph and the appointment order issued such engineers engaged for this contract work. If 15 days after issue of work order such designated Site Engineers do not resume or do not remain present on site of work, the recovery at the rate of Rs.15,000-00 per month per Engineer will be made from the bills/deposit/dues of the contractor. Such recovery shall be non-refundable.

SECTION - 2

QUALIFICATION INFORMATION

QUALIFICATION INFORMATION

The information to be filled in by the Bidder in the following pages will be used for the purpose of post qualification as provided for in Clause 4 of the Instruction to Bidders. This information will not be incorporated in the Contract.

1. For Individual Bidders

1.1 Constitution or legal status of Bidder (Attach Copy)

Place of registration _____

Principal place of business _____

Power of attorney of signatory of Bid

(Attach)

1.2 Total value of Civil engineering constructions Work **performed in the last five/ seven years (in Rs. Lakhs)**

Year	Work done value (in Rs. Lakhs)	Supporting documents certified by CA
2017-18		
2018-19		
2019-20		
2020-21		
2021-22		
2022-23		
2023-24		

1.3.1 Work performed as prime contractor, work performed in the past as a nominated sub-contractor will also be considered the sub-contract involved execution of all main items of work described in the bid documents, provided further that all other qualification criteria are satisfied (in the same name) on works of a similar nature over the last five years and in current year before the submission of the bid.**

Project Name	Name of the Employer	Description of work	Contract No.	Value of contract (Rs. Crore)	Date of issue of work order	Stipulated period of completion	Actual date of completion*	Remark explaining reasons for delay & work Completed

*Attach certificate(s) from the Engineer(s) in charge

** Immediately preceding the financial year in which bids are received.

Preferably standard -3 A certificate issued by various government authority/ if work is private it should be by employer

~~and private work should be supported by TDS work order, final bill payment, work order and as instructed in ITB.~~

~~#1.3.2 Quantities of work executed as prime contractor, work performed, in the past as a nominated sub-contractor, will also be considered provided the sub-contract 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/Capacity of work performed (Capacity or Amount) particularly for health facilities- Hospital, Medical College, Hostels, etc.)								Remarks
			MGPS		CSSD System	HVAC (Capacity)	Fire System	ELV	Lift Work	MOT	
			No. of Points	Value	Value	Value of Work	Value of Work	Value of Work	Value of Work	Nos.	
20-20											
20-20											
20-20											
20-20											
20-20											

~~1.4 Information on Bid Capacity (works for which bids have been submitted and works which are yet to be completed) as on the date of this bid.~~

~~(A) Existing commitments and on-going works:~~

Name of Building/Hospital-works	Place & State	Contract No.	Name & Address of Employer	Value Contract (Rs. Cr)	Stipulated Period of Completion	Value of Works* remaining to be completed (Rs. Cr)	Anticipated of completion	Remarks
1	2	3	4	5	6	7	8	9

~~*Attach certificate (s) from the Engineer(s) in-charge~~

~~** Immediately preceding the financial year in which bids are received.~~

~~1.5 Availability of key items of Contractors Equipment for carrying out the works (Ref. Clause 4.5.5). The Bidder should list all the information requested below.~~

Sr. No.	Plant or Machinery	Nos.	Location	Age of Machinery (maximum 15 years)	Make	Capacity	Approximate Value	Remark
1	2(a)	2(b)	2(c)	3	4	5	6	7

- 1.6 ~~Qualifications and experience of key personnel required for administration and execution of the contract. Attach biographical data. Refer also to Sub Clause 9.1 of the Conditions of Contract.~~

Bidder should propose the structure and composition of the team dedicated for carrying out the Assignment. Bidder should list the main disciplines of the assignment, the key personnel responsible, and proposed technical and support staff. The personnel schedule shall be consistent with the approach and methodology, detailed work plan, activity schedule.				
Sr. No	Position	No. Of Resources	Min Qualification	Deployment
Key Personal				

- 1.7 ~~Proposed sub-contract and firms involved~~

Sections of the works	Value of Sub-Contractor	Sub-Contractor (Name & Address)	Experience in similar work
MGPS			
MOT			
ELV			
HVAC			
Fire System			
Lift/ Elevators			
CSSD			
MEP			
Any Other sub work			

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

- ~~1.8 Financial reports for the last five years: balance sheets, profit and loss statements, auditors' reports (in case of companies/corporations), etc. List them below and attach copies.~~
- ~~1.9 Evidence of access to financial resources to meet the qualification requirements: cash in hand, lines of credit, etc. List them below and attach copied documents.~~
- ~~1.10 Name, address, and telephone, mobile number and Email ID of the Bidders bankers who may provide references if contacted by the Employer.~~
- ~~1.11 Information on Litigation history in which the Bidder is involved.~~

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

- ~~1.12. Statement of compliance under the requirements of Sub Clause 3.2 of the instruction to Bidders. (Name of Consultant engaged for project preparations*)~~

- ~~1.13 Proposed work method and schedule. The Bidder should attach descriptions, drawings and charts as necessary to comply with the requirements of the Bidding documents. (Refer ITB Clause 4.1)~~

- ~~1 Key Plan~~
- ~~2 Sectional Elevation~~
- ~~3 Campus Layout~~
- ~~4 Water Supply & Sewage Points~~
- ~~5 Any other~~

- ~~1.14 Programme~~

~~2. Deleted~~

~~3. Additional Requirements~~

- ~~3.1 Bidders should provide any additional information required to fulfill the requirements of Clause 4 of the Instructions to the Bidders, if applicable.~~

- ~~(i) Affidavit~~
- ~~(ii) Undertaking~~

~~* Fill the name of consultant~~

**~~SAMPLE FORMAT FOR EVIDENCE OF ACCESS TO OR
AVAILABILITY OF CREDIT FACILITIES~~**

~~(CLAUSE 4.5.6 OF ITB)~~

~~BANK CERTIFICATE~~

~~This is to certify that M/s. _____ is a reputed company
with a good financial standing.~~

~~If the contract for the work, namely _____ is awarded to the
above firm, we shall be able to provide overdraft/credit facilities to the extent of
Rs. _____ to meet their working capital requirements for executing the above
during the contract period. Estimated Cost~~

~~(Signature)~~

Name of Bank

Senior Bank Manager

Address of the Bank

APPENDIX – A

(Form No. 3 A) (Self attested)

Referred to in Rules No. 1.3.1

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 Actual completion of the total project _____ :
_____ A) _____ Electrical Work cost:
_____ B) _____ HVAC Work cost:
_____ C) _____ ELV Work cost:
_____ D) _____ MGPS Work cost:
_____ E) _____ CSSD Work cost:
_____ F) _____ MOT Work cost:
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: _____

_____ **Authorized Signature**

APPENDIX-B

LAB TESTING EQUIPMENT

The BIDDERS 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 7Kg. to 10Kg. capacity semi self-indication type accuracy 1gm.	2Nos.		
	b) Pan balance 10kg capacity accuracy 0.01gm	12 nos.		
	c) Electronic balance 500gm capacity accuracy 0.001gm	2Nos.		
	f) Sieves as per I.S. 460-1962	Full IISet.		
	II) Stop watches, 1/5 sec. accuracy	2Nos.		
2	B-For Cement and Cement Concrete			
	I)-Moulds			
	a) 150mm _____ dia. x 300mm height cylinder with capping component	As required		
	b) Cubes 150mm	As required		
	III) High frequency mortar cube vibrator for cement testing	1No.		
	iv) Concrete mixer power driven, 0.03m ³ capacity	1No.		
	V) Variable _____ frequency and amplitude vibrating table size 1 meter x 1 meter as per the relevant British standard.	1No.		
	Vi) Flow table as per the relevant IS specifications.	4Nos.		
	Vii) a) 2000Kn (Least count 10Kn) compression testing machine for concrete cube.	1No.		
	b) 500 Kn (least count 2 Kn) compression testing machine for cement mortar cube.	1No.		
	viii) Equipment for slump test	2Nos.		
	xi) Needle Vibrator	1No.		
	xii) Cement Testing Equipment	1No.		
	xiii) Soil Testing Equipment	1No.		
	xiv) Aggregate Testing Equipment	1No.		
	Apparatus of Drinking Water: Total Dissolved Solid	1No.		
	Apparatus of water for construction purpose: Acidity, Alkalinity, Chloride, Inorganic Solid, Organic Solid, pH, Sulphate, Total Suspended Solid	1No.		

	Apparatus of Brick: Compressive Strength, Compressive Strength, Dimension Height, Dimension Length, Dimension width, Efflorescence, Water Absorption	1No.		
	Apparatus of Cement: Compressive Strength, Density, Fineness by Blain's air permeability, Nominal Consistency, Setting time (Final), setting time (Initial), soundness by Le Chatelier	1No.		
	Apparatus of Coarse Aggregate: 10% Fine value, Crushing Value, Elongation Index, Flakiness index, Impact value, Loss Angle Abrasion, Sieve Analysis (sieve size 75micron to 90mm), specific Gravity, Water absorption	1No.		
	Apparatus of Concrete: Compressive strength, Slump test	1No.		
	Apparatus of Fine Aggregate: Bulk Density, Material finer than 75u, Sieve Analysis (sieve size 75micron to 90mm), Specific Gravity, water absorption	1No.		
	Apparatus of Paver block: Compressive Strength, water absorption	1No.		
	Apparatus of Steel HSD Bar/TMT Bar: Yield Strength, Elongation, Section weight per meter, Ultimate Tensile Strength	1No.		
	Apparatus of Soil: Liquid Limit, Plastic Limit, grain Size analysis, Specific Gravity, Unconfined compression strength, Direct Shear (Angle), Direct shear (C), Standard penetration test	1No.		
	Apparatus of Any Reinforced Concrete structure surface: Cover measurement of Reinforcement from top surface of member	1No.		
	Apparatus of Any Reinforced Concrete surface: Half Cell Potential Corrosion Measurement test, Pulse velocity test in concrete specimen, Rebound Hammer test on Concrete surface	1No.		
	Apparatus of Concrete Element (Core) : Carbonation	1No.		

Format: Joint Venture

Referred to in Rules No. 4.6

~~(1) The Joint Venture Agreement made and entered into at _____
_ day of _ (year) by _____ and between _____.~~

~~a. Firm A (Name with address of the registered office)~~

~~b. Firm B (Name with address of the registered office)~~

~~(2) **Definitions:** In this deed the following words and expressions shall have the meaning set out below.~~

~~a. "The Authority" shall Project Implementation Unit, Gandhinagar.~~

~~b. "The Works" shall mean~~

~~(Name of work) which is more particularly _____ described in the pre-qualification and tender documents issued thereof by the Authority.~~

~~c. The Tender "shall" mean the tender to be submitted by Joint Venture to the Authority for the work/works.~~

~~d. "The Contract" shall mean the contract entered/to be entered into between the Joint Venture and the Authority for the works.~~

~~(3) **Joint Venture (JV)**~~

~~The Parties hereto declare that they have agreed to form a Joint Venture for the purpose of submitting the pre-qualification Application/tender document initially and then tender and if successful for the execution of the works as an integrated Joint Venture. The parties are not under this agreement entering into any permanent partnership of Joint Venture to tender or undertake any contract other than the subject works. Nothing herein contained shall be considered to constitute the parties of partners to constitute either Party the agent of the other.~~

~~(4) **Witnesses:** Whereas Project Implementation Unit, Gandhinagar /Authority has invited tenders from intending bidders and the Authority has permitted a group of firms (not exceeding three) forming a Joint Venture to be eligible to be a bidder. And whereas _____ party of the first part, _____ party of the second part and _____ party of the third part are desirous to enter into a Joint Venture in the nature of partnership engaged in the joint undertaking for the specific purpose of execution of the work of constructing _____ and whereas Parties of the First, Second and Third part reached understanding to submit pre-qualification/tender, if pre-qualified, and to execute the contract if awarded;~~

This agreement witnesses as follows:

~~(a) The parties do not enter into an agreement of any permanent partnership of Joint Venture to tender or undertake any Contract other than the specified above;~~

~~(b) That the operation of this Joint Venture firm concerns and is confined to the work of _____ of Authority.~~

~~(c) The name of the Joint Venture firm for convenience and continuity shall be~~

~~(d) The Address of Joint Venture for communications shall be as under:~~

- ~~(e) The Joint Venture shall jointly submit pre-qualification application on the above name according to all terms and conditions stated in the relevant instructions contained in the bid documents.~~
- ~~(f) That this Joint Venture shall regulate the relations between the parties thereto and shall include without being limited to them the following conditions.~~
- ~~(1) _____ firm shall be the lead company in charge of the Joint Venture for all intents and purpose.~~
- ~~(2) In case the said work is awarded to the Joint Venture, the partners of the Joint Venture _____ will nominate a person with duly _____ notarized power of Attorney on stamp paper, who will represent the Joint Venture with the authority to incur liabilities, receive instructions and payments, sign and execute the contract for and on behalf of the Joint Venture,~~
- ~~(i) All the (Maximum two) parties agree to make financial participation and to place at disposal of Joint Venture the benefits of its individual experience, technical knowledge skill and shall in all respect bear its share as regards planning and execution of the work and responsibilities including the provision of information, advice and other assistance required in the Joint Venture and participation shall be in proportion of, Firm A.....% and Firm B.....%~~
- ~~(ii) All rights, interests, liabilities, obligations work experience and risks (and all net profits or net losses) arising out of the contract shall be borne by the parties in proportion to their shares. Each of the parties shall furnish its proportionate share in any bonds, guarantees, sureties required for the works as well as its proportionate share in connection with the works. The share and participation of the two/three partners in working capital and other financial requirements shall be in ratio as mentioned above.~~

~~(5) Internal responsibilities and liabilities~~

- ~~(a) The division of individual scope of work may be worked out mutually by the parties but the party shall be jointly and severally liable to the Authority for the whole work.~~
- ~~(b) The parties specifically undertake to carry out their separate works in full compliance with the contract with the Authority. Each party shall be responsible jointly and severally for consequences if any arising out of defective or delayed execution of works which fall within the individual's party's area of responsibility and/or it has been caused due to acts and/or omission of the concerned party.~~
- ~~(c) The parties jointly and severally agree to replace modify or repair any defect in their respective portions of works in accordance with the terms and condition of the Contract with the Authority.~~
- ~~(d) The parties jointly and severally shall indemnify and hold harmless to each other against any claim made by the Authority or any other third party for injury, damage, loss _____ or expenses attributed to the breach/non-~~

~~performance of his responsibilities by the indemnifying party in accordance with the agreements and/or Contract with the Authority.~~

~~(e) None of parties have joined in any other Joint Venture for the said works.~~

~~(6) Responsibilities and liabilities of Joint Venture towards the Authority~~

~~(a) Parties hereto shall be jointly and severally liable and responsible for the acts, deeds and things done or omitted to be done in respect of the execution of the Contract and for any financial liability arising therefrom.~~

~~(a) Parties hereto shall be jointly and severally responsible to the Authority for the execution of the works in accordance with the Contract Conditions;~~

~~(c) Parties hereto shall be jointly and severally indemnifying to the Authority against any claim made against the Authority or any other third party for any injury, damage or loss which may be attributed to the breach of the obligations under the Contract pursuant to the Contract.~~

~~(7) Site management~~

~~(a) The execution of the work on the site will be managed by a Project Manager appointed _____ by the Joint Venture and who will report to the _____ (JV). The Project Managers shall be authorized to represent the Joint Venture on site in respect of matters arising under the Contract.~~

~~(b) The _____ (Name of the JV) shall be jointly and severally liable to the Authority for the execution of the Contract commitment in respect of the works in accordance with Contract Conditions.~~

~~(8) Termination of the Agreement~~

~~This agreement shall be terminated in the following circumstances.~~

~~(a) The Authority award the contract for the work to the other Bidder.~~

~~(b) The Authority cancel the work to award the contract.~~

~~(c) On completion of the defect liability period as stipulated in the Contract Agreement of the works and all the liabilities thereof are liquidated.~~

~~(9) No partner has right to assign any benefits, obligation of liability under the agreement to any third party without prior written consent of the other partner as well as Authority.~~

~~(10) Financial matter~~

~~(a) Bank Account in the name of the Joint Venture will be opened with any scheduled or nationalized Bank to be operated by an individual signatory as decided mutually by the Joint Venture partners.~~

~~(b) All the partners shall be responsible to maintain or cause to maintain proper Books of accounts, balance sheet and profit and loss account to the state of affairs of the firm as at the end of the financial year and as to the profit and loss made or incurred by the firm for the year ended on that date, respectively shall be prepared and the same shall be subject to audit by a Chartered Accountant.~~

~~(c) None of the party shall be entitled to make any borrowing on behalf of the Joint Venture without express prior written consent of the other party.~~

~~(d) Bank guarantee for the application/execution of the work shall be provided jointly from a bank acceptable to the Authority.~~

~~(11) **Negotiation:** Any negotiation of agreement between the parties hereto and the Authority subsequent to the submission of the tender and prior to award, shall take place only with consent of each of the parties who shall be represented at the such negotiation by one or more representative(s) duly empowered to make such negotiation or agreement.~~

~~(12) **Legal jurisdiction:** All questions relating to validity interpretation of this agreement shall be governed by the law of India and shall be subject to jurisdiction of High Court at Ahmedabad.~~

~~(13) **Settlement of disputes:** Any dispute in interpretation of any condition mentioned herein shall be referred to an arbitrator/tribunal by mutual consent of the partners and such proceedings shall be governed by Gujarat Public Works contract disputes tribunal act of 1992 and as amended from time to time. The award of arbitrator shall be final and binding on the party hereto. Neither the obligation of each party hereto the performance of contract nor the execution of work shall stop during the course of arbitration proceeding or as a result thereof.~~

~~(14) **Insurance**~~

~~(a) The Joint Venture through the parties individually shall take such insurance in connection with the work in accordance with the tender condition as acceptable to the Authority.~~

~~(b) The cost of the insurance premium paid by the Joint Venture shall be borne and paid by the parties in proportion to their respective shares of work. Other insurance taken individually by the parties shall be fully borne by the respective parties.~~

~~(15) No change shall be made this agreement without prior written consent of the Authority and other party. However the Authority directs the parties to make changes in the agreement so as to fulfil tender conditions the parties discuss with Authority and mutually agreed such changes required to be made in the agreement.~~

~~(16) **Default and withdrawal from the Joint Venture:** in case that either party fails to observe the provision stipulated in this agreement withdrawal from the Joint Venture, Loss and/or expenses incurred by other party due to such default and/or withdrawal shall be fully compensated by the party who has defaulted.~~

~~(17) All matter relating to or arising due to this agreement shall be treated as confidential and shall not be disclosed to any other party.~~

In witness whereof the parties have caused their duly authorized representatives to sign below.

Signed for and on behalf of Firm-A

Date

Seal & Sign

Witness

Signed for and on behalf of Firm-B

Date

Seal & Sign

Witness

ANNEXURE-D

Medical Gas Pipeline System (MGPS)

MANUFACTURER'S AUTHORISATION FORM

To,
Chief Engineer,
PIU, Gandhinagar

Ref: Your TE document No _____ dated _____

We, _____ who are proven and reputable manufacturers of _____ (name and description of the goods offered in the tender) having factories at _____, hereby authorize Messrs. _____ (name and address of the agent) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We also state that we are not participating directly in this tender for the following reason(s):
_____ (please provide reason here).

We also hereby extend our full warranty, CMC as applicable as per clause of the tender documents, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document.

We also hereby confirm that we would be responsible for the satisfactory execution of contract placed on the authorized agent

We also confirm that the price quoted by our agent shall not exceed the price which we would have quoted directly"

Yours faithfully, [Signature with date, name and designation] for and on behalf of Messrs _____
[Name & address of the manufacturers]

Note: 1. This letter of authorization should be on the letter head of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer. 2. Original Letter may be sent. Photocopy not acceptable

ANNEXURE - II

Medical Gas Pipeline System (MGPS)

Declaration / Undertaking on Letter Head

I/We.....Resident of (Address) do solemnly pledge and affirm That I am the proprietor/partner/authorized——signatory of M/S.....hereby giving assurance that we will supply and install all medical gas pipeline system, as per referenced standard (NAME OF PARTICULAR STANDARD TO BE MENTIONED, i.e. HTM 02-01 / NFPA 99 / DIN ISO 7396) and corresponding tender technical specifications and items incorporated in this tender documents and material, equipment, accessories are meeting the quality standards accordingly to relevant IS / ASTM / BIS and relevant slandered and technical specifications.

Name, Signature & Address of the tenderer

With Stamp

ANNEXURE-III
Medical Gas Pipeline System (MGPS)

MOU

Memorandum of Understanding between bidder and nominated sub-contractor for MGPS

This Memorandum of Understanding (MOU) made on Date----- between M/S (Name of the bidder) having their registered office (hereinafter called the "Bidder") and Sub-contractor (Here after called nominated sub-contractor) is a Bonafide experienced Civil Contractor of sound financial standing and reputation fulfilling the requirements, specifications and mandatory and special conditions mentioned in tender document----- to take up the work of **New Construction of Annex Hospital Building at GMERS, Medical College & Hospital at Gandhinagar (Annex, Critical care center and Reinbasera)** Whereas Nominated Sub-contractor (Name and address of Nominated sub-contractor) is a Bonafide medical gas Contractor of sound financial standing and reputation fulfilling the requirement to take up the Medical Gas works.

And whereas Bidder and Nominated sub-contractor having recognized their strengths of each other's unique position and having felt it necessary to enter into this Memorandum of Understanding

Nominated Sub-contractor having experience of SITC of MGPS work as per standard HTM-02-01 / NFPA 99 / DIN-ISO 7396 and specification.-

NOW THEREFORE THIS DEED WITNESSED AS UNDER:

Nominated sub-contractor (Name and address of nominated sub-contractor) i.e. the "Associates" for Medical Gas works has shown their interest to quote for the Medical Gas works.

The "Bidder" and the Nominated sub-contractor shall fulfil the Mandatory Pre-qualifications criteria and also submit all the mandatory documents as per PQ criteria,-

This Memorandum of Understanding should not be construed as deed of partnership and shall be governed by applicable laws in India.

Dated this

For_____For

(Name and address of Bidder)_____(Name and address of Nominated Sub Contractor)

Position:_____Position:

ANNEXURE-IV
Central Sterile Supply Department (CSSD)

(Technical Compliance)

Should be duly certified by the Manufacturer

Sr no	Description of items as per technical specification	Compliance Yes/ No	Deviation	Make Quoted

ANNEXURE-V

Central Sterile Supply Department (CSSD)

(Agreement for Supply of Spares)

AGREEMENT

This Agreement entered into at _____ Between M/s. _____
_____ (Name of Bidder) _____ having its registered office at _____

AND

M/s. _____ (Name of Supplier) _____ having its registered
office at _____.

~~WHEREAS the first party is the bidder and the Second Party is the Supplier.~~

~~NOW THIS AGREEMENT WITNESSETH AS UNDER AGREED BY AND BETWEEN THE PARTY
HERETO:~~

~~1. _____ The Second Party hereby agrees to supply spares to First Party for a period of 10 Years
from the date of final commissioning for Central Sterile Service Department.~~

SIGNATURE:

FIRST PARTY

SECOND PARTY

**(~~*Should be duly notarized by the Notary Authority of the Country of Origin of Bidder
and Supplier~~)**

ANNEXURE-VI

Central Sterile Supply Department (CSSD)

MANUFACTURER'S AUTHORISATION FORM

Chief Engineer,
PIU, Gandhinagar

Ref: Your TE document No _____ dated _____

We, _____ who are proven and reputable manufacturers of _____ (name and description of the goods offered in the tender) having factories at _____, hereby authorize Messrs _____ (name and address of the agent) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We also state that we are not participating directly in this tender for the following reason(s):
_____ (please provide reason here).

We also hereby extend our full warranty, CMC as applicable as per clause of the tender documents, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document.

We also hereby confirm that we would be responsible for the satisfactory execution of contract placed on the authorized agent

We also confirm that the price quoted by our agent shall not exceed the price which we would have quoted directly"

Yours faithfully, [Signature with date, name and designation] for and on behalf of
Messrs. _____ [Name & address of the manufacturers]

Note: 1. This letter of authorization should be on the letter head of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer. 2. Original Letter may be sent. Photocopy not acceptable

ANNEXURE-VII
Central Sterile Supply Department (CSSD)

MOU

~~Memorandum of Understanding between bidder and nominated sub-contractor for CSSD~~

~~This Memorandum Of Understanding (MOU) made on Date----- between M/S (Name of the bidder) having their registered office ----- (hereinafter called the "Bidder") and Sub contractor (Here after called nominated sub-contractor) is a Bonafide experienced Civil Contractor of sound financial standing and reputation fulfilling the requirements , specifications and mandatory and special conditions mentioned in tender document ----- to take up the work of **New Construction of Annex Hospital Building at GMERS, Medical College & Hospital at Gandhinagar (Annex, Critical care center and Reinbasera)** Whereas Nominated Sub-contractor (Name and address of Nominated sub-contractor) is a Bonafide medical gas Contractor of sound financial standing and reputation fulfilling the requirement to take up the CSSD.~~

~~And whereas Bidder and Nominated sub-contractor having recognized their strengths of each other's unique position and having felt it necessary to enter into this Memorandum of Understanding~~

~~Nominated Sub-contractor having completed similar standard and nature of CSSD~~

~~NOW THEREFORE THIS DEED WITNESSED AS UNDER:~~

~~Nominated sub-contractor (Name and address of nominated sub-contractor) i.e. the "Associates" for CSSD has shown their interest to quote for the CSSD.~~

~~The "Bidder" and the Nominated sub-contractor shall fulfil the Mandatory Pre-qualifications criteria and also submit all the mandatory documents as per PQ criteria,~~

~~This Memorandum of Understanding should not be construed as deed of partnership and shall be governed by applicable laws in India.~~

Dated this _____

For _____	For _____
(Name and address of Bidder) _____	(Name and address of _____
NominatedSub Contractor)- _____	_____ of _____
Position:- _____	Position:- _____

ANNEXURE-VIII (HVAC, Electrical work and ELV WORK)

MOU

**Memorandum of Understanding between bidder and nominated sub-contractor for
HVAC, Electrical and ELV work**

This Memorandum of understanding (MOU) made on Date----- between M/S (name of the bidder) having their registered office (hereinafter called the “Bidder”) and Sub-contractor (Here after called nominated sub-contractor) is a Bonafide experienced Civil Contractor of sound financial standing and reputation fulfilling the requirements , specifications and mandatory and special conditions mentioned in tender document to take up the work of **New Construction of PHC Buildings with PM Room, Garrage, Compound wall, Electricity and Furniture at Minavada Ta.:Mahudha Dist.: Kheda. (Budget 2026-27, ID.:9207)** Whereas Nominated Sub-contractor (Name and address of Nominated sub-contractor) is a Bonafide medical gas Contractor of sound financial standing and reputation fulfilling the requirement to take up HVAC, Electrical and ELV works .

And whereas Bidder and Nominated sub-contractor having recognized their strengths of each other’s unique position and having felt it necessary to enter into this Memorandum of Understanding

Nominated Sub-contractor having completed similar standard and nature of HVAC, Electrical and ELV works .

NOW THEREFORE THIS DEED WITNESSED AS UNDER:

Nominated sub-contractor (Name and address of nominated sub-contractor) i.e. the “Associates” for HVAC, Electrical and ELV work has shown their interest to quote for HVAC, Electrical and ELV .

The “Bidder” and the Nominated sub-contractor shall fulfil the Mandatory Pre qualifications criteria and also submit all the mandatory documents as per PQ criteria,

This Memorandum of Understanding should not be construed as deed of partnership and shall be governed by applicable laws in India.

Dated this

For

(Name and address of Bidder)
Contractor)

Position:

For

(Name and address of Nominated Sub

Position:

ANNEXURE-IX(HVAC, Electrical work and ELV WORK)

Declaration/ Undertaking on Rs. 300/-nonjudicial stamp paper notarized affidavit

I/We.....Resident of (Address)do solemnly pledge and affirm:-

That I am the proprietor/partner/authorized signatory of

M/S..... hereby giving assurance
that we will supply and install all ELV system, as per referenced standard (Mention name
of standard) and Corresponding tender technical specifications. There will be no change in
declared standard and tender technical specifications at any time of the project execution.

Name, Signature &Address of the tenderer

With Stamp

ANNEXURE-X (MOT)

MANUFACTURER'S AUTHORISATION FORM

Chief Engineer,
PIU, Gandhinagar

Ref: Your TE document No _____ dated _____

We, _____ who are proven and reputable manufacturers of _____ (name and description of the goods offered in the tender) having factories at _____, hereby authorize Messrs _____ (name and address of the agent) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We also state that we are not participating directly in this tender for the following reason(s):

_____ (please provide reason here).

We also hereby extend our full warranty, CMC as applicable as per clause of the tender documents, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document.

We also hereby confirm that we would be responsible for the satisfactory execution of contract placed on the authorized agent

We also confirm that the price quoted by our agent shall not exceed the price which we would have quoted directly"

Yours faithfully, [Signature with date, name and designation] for and on behalf of
Messrs. _____ [Name & address of the manufacturers]

Note: 1. This letter of authorization should be on the letter head of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.

2. Original Letter may be sent. Photocopy not acceptable

ANNEXURE-XI (MOT)

MOU

~~Memorandum of Understanding between bidder and nominated sub-contractor for MOT~~

~~This Memorandum Of Understanding (MOU) made on Date----- between M/S (Name of the bidder) having their registered office ----- (hereinafter called the "Bidder") and Sub-contractor (Here after called nominated sub-contractor) is a Bonafide experienced Civil-Contractor of sound financial standing and reputation fulfilling the requirements, specifications and mandatory and special conditions mentioned in tender document----- to take up the work of Construction of GMERS Medical College and Hospital, Morbi, Whereas Nominated Sub-contractor (Name and address of Nominated sub-contractor) is a Bonafide Modular-Prefabricated Operation Theater Contractor of sound financial standing and reputation fulfilling the requirement to take up the MOT.~~

~~And whereas Bidder and Nominated sub-contractor having recognized their strengths of each other's unique position and having felt it necessary to enter into this Memorandum of Understanding~~

~~Nominated Sub-contractor having completed similar standard and nature of MOT~~

~~NOW THEREFORE THIS DEED WITNESSED AS UNDER:~~

~~Nominated sub-contractor (Name and address of nominated sub-contractor) i.e. the "Associates" for MOT has shown their interest to quote for the MOT.~~

~~The "Bidder" and the Nominated sub-contractor shall fulfil the Mandatory Pre-qualifications criteria and also submit all the mandatory documents as per PQ criteria,~~

~~This Memorandum of Understanding should not be construed as deed of partnership and shall be governed by applicable laws in India.~~

~~Dated this For-----~~

~~(Name and address of Bidder)----- (Name and address of Nominated Sub Contractor)-~~

~~Position:----- Position:-----~~

ANNEXURE-XII

Declaration / Undertaking on Letter Head for LIFT (To be submitted by bidder/Nominated Sub-Contractor, as may be the case)

_____, am the Partner/Proprietor/Authorized signatory of _____ (Mention name of firm and its complete address) do here by solemnly affirm and declare as under:-

1. That our Firm/company i.e. _____ (Mention name of firm and its complete address) is registered vide Registration No. _____ under the provisions of _____ (mention the name of the Act.)

2. That our Firm/company i.e. (Mention name of firm) has applied in response to the tender for the work of _____ (Name of work)_____.

3. That _____ (Mention name of firm) is eligible to submit the aforesaid proposal as it is not under liquidation, court receivership or similar proceedings.

4. That _____ (Mention name of firm) has not been barred and/or blacklisted by the Central Government / State Government / or any Government under taking at the time of submission of tender.

5. That _____ (Mention name of firm) has during the last three years neither failed to perform on any agreement nor was expelled from any project or agreement terminated for any breach by the applicant.

6. That _____ (Mention name of firm) has no contracts with the state/central government that are in arbitration. (In case some contract (s) are in arbitration give the details of such contract in a schedule to be attached with this affidavit).

**Name, Signature & Address of Tenderer
With Stamp**

ANNEXURE-XIII
MANUFACTURER'S AUTHORISATION FORM

The Chief Engineer,
Project Implementation Unit,
4th Floor, PIU/RDD/NHM Building,
Civil Hospital Campus, Gandhinagar-382012

Dear Sir,

Ref: Your TE document No-

Dated-

We, Who..... are proven and reputable manufacturers of (name and description of the goods offered in the tender) having factories athereby authorize M/s. (name and address of the agent) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred tender documents for LIFT system products manufactured by us.....

The Bidder /Approved Make Lift OEM agency should have to depute at least one technical person to attend any emergency breakdown during 24x7 period 365 days for hospital & College Building. No extra payment Shall be made for the same.

We also hereby extend our full warranty, as per General conditions of contract, we also hereby confirm that we would be responsible for the satisfactory execution of contract placed on the authorized agent we also confirm that the price quoted by our agent shall not exceed the price which we would have quoted directly"

Yours faithfully,

[Signature with date, name and designation]

For and on behalf of M/s. [Name & address of the manufacturers]

Note: 1. this letter of authorization should be on the letter head of the manufacturing firm and should be signed by a person competent

Annexure -XV
MOU

Memorandum of Understanding between bidder and nominated sub-contractor for LIFT

This Memorandum Of Understanding (MOU) made on Date _____ between M/S (Name of the bidder) having their registered office _____ (hereinafter called the "Bidder") and Sub-contractor (Here after called nominated sub-contractor) is a Bonafede experienced Civil Contractor of sound financial standing and reputation fulfilling the requirements, specifications and mandatory and special conditions mentioned in tender document to take up the _____ (Name of Work) _____.

Whereas Nominated Sub-contractor (Name and address of Nominated sub-contractor) is a Bonafede Lift OEM/Contractor of sound financial standing and reputation fulfilling the requirement to take up the Lift works.

And whereas Bidder and Nominated sub-contractor having recognized their strengths of each other's unique position and having felt it necessary to enter into this Memorandum of Understanding.

Nominated Sub-contractor having completed similar standard and nature of Lift Works.

NOW THEREFORE THIS DEED WITNESSED AS UNDER:-

Nominated sub-contractor (Name and address of nominated sub-contractor) i.e. the "Associates" for Lift works has shown their interest to quote for the Lift works.

The "Bidder" and the Nominated sub-contractor shall fulfil the Mandatory Pre-qualifications criteria and also submit all the mandatory documents as per PQ criteria, further I (Bidder) shall abide to submit all the remaining documents specified in special conditions of tender document within one month of issue of work order failing which Department / Employer can take appropriate action as per tender clause and conditions.

The Bidder /Approved Make Lift OEM agency should have to depute at least one technical person to attend any emergency breakdown during 24x7 period 365 days for hospital & College Building. No extra payment Shall be made for the same.

This Memorandum of Understanding should not be construed as deed of partnership and shall be governed by applicable laws in India.

In Witness whereof the parties through their authorized representative have executed those present and common seal of their respective companies on the day, month and year mentioned below.

Dated this

For (Name and address of Bidder)	For (Name and address of nominated Sub-contractor)
Name:-	
Address:-	
Position:-	

ANNEXURE- XVI
FOR LIFT
Declaration / Undertaking on Letter Head

~~I/We.....Resident of (Address) do solemnly pledge and affirm :- That I am the proprietor/partner/authorized signatory of M/S..... hereby giving assurance that we will supply and install all Lift system, as per referenced standard (NAME OF PARTICULAR STANDARD TO BE MENTIONED, i.e. Latest (Amendment) Rules of The Gujarat Lifts and Escalators as the Chief Electrical Inspector and Collector of Electricity Duty, GoG) and corresponding tender technical specifications. There will be no change in declared standard and tender technical specifications at any time of the project execution. Moreover, I/We will execute all the LIFT items as per approved technical specifications.~~

Name, Signature & Address of the tenderer
With Stamp

ANNEXURE- XVII

Affidavit for appointment of Specialised Agency
(MGPS)

Date: __/__/__

Subject: ~~Appointment of Specialised Agency for~~ _____ ~~Works~~

Project: _____

~~We Here by Produce affidavit that, We _____ having our registered office at _____ is willing to participate in the upcoming project of _____. As per the Pre Qualification Criteria Clause _____, we hereby submit this affidavit and confirm that if our Techno-Commercial Bid is found successful and LOA/LOI is issued, we shall submit MOU with prospective sub-contractor or manufacturer or authorised dealer who has specific experience qualifying the clause _____ of the tender document before agreement.~~

~~We understand that if we fail to submit such MOU within specified time as per the affidavit and tender documents, Client has right to take appropriate action including forfeiting the EMD also.~~

Authorized Signatory

ANNEXURE- XVIII

Affidavit for appointment of Specialised Agency
(MOT)

Date: __/__/__

Subject: ~~_____ Appointment of Specialised Agency for _____ Works~~

Project: _____

~~We Here by Produce affidavit that We _____ having our registered office at _____ is willing to participate in the upcoming project of _____. As per the Pre Qualification Criteria Clause _____, we hereby submit this affidavit and confirm that if our Techno-Commercial Bid is found successful and LOA/LOI is issued, we shall submit MOU with prospective sub-contractor or manufacturer or authorised dealer who has specific experience qualifying the clause _____ of the tender document before agreement.~~

~~We understand that if we fail to submit such MOU within specified time as per the affidavit and tender documents, Client has right to take appropriate action including forfeiting the EMD also.~~

Authorized Signatory

~~ANNEXURE-XIX~~

Affidavit for appointment of Specialised Agency
(CSSD)

Date: __/__/__

Subject: ~~Appointment of Specialised Agency for~~ _____ ~~Works~~

Project: _____

~~We Here by Produce affidavit that We _____ having our registered office at _____ is willing to participate in the upcoming project of _____. As per the Pre-Qualification Criteria Clause _____, we hereby submit this affidavit and confirm that if our Techno-Commercial Bid is found successful and LOA/LOI is issued, we shall submit MOU with prospective sub-contractor or manufacturer or authorised dealer who has specific experience qualifying the clause _____ of the tender document before agreement.~~

~~We understand that if we fail to submit such MOU within specified time as per the affidavit and tender documents, Client has right to take appropriate action including forfeiting the EMD also.~~

Authorized Signatory

ANNEXURE-XX

Affidavit for appointment of Specialised Agency
(HVAC)

Date: __/__/__

Subject: ~~Appointment of Specialised Agency for~~ _____ ~~Works~~

Project: _____

~~We Here by Produce affidavit that We _____ having our registered office at _____ is willing to participate in the upcoming project of _____. As per the Pre Qualification Criteria Clause _____, we hereby submit this affidavit and confirm that if our Techno Commercial Bid is found successful and LOA/LOI is issued, we shall submit MOU with prospective sub contractor or manufacturer or authorised dealer who has specific experience qualifying the clause _____ of the tender document before agreement.~~

~~We understand that if we fail to submit such MOU within specified time as per the affidavit and tender documents, Client has right to take appropriate action including forfeiting the EMD also.~~

Authorized Signatory

~~ANNEXURE-XXI~~

Affidavit for appointment of Specialised Agency
(ELV)

Date: __/__/__

Subject: ~~Appointment of Specialised Agency for~~ _____ ~~Works~~

Project: _____

We Here by Produce affidavit that We _____ having our registered office at _____ is willing to participate in the upcoming project of _____. As per the Pre-Qualification Criteria Clause _____, we hereby submit this affidavit and confirm that if our Techno-Commercial Bid is found successful and LOA/LOI is issued, we shall submit MOU with prospective sub-contractor or manufacturer or authorised dealer who has specific experience qualifying the clause _____ of the tender document before agreement.

We understand that if we fail to submit such MOU within specified time as per the affidavit and tender documents, Client has right to take appropriate action including forfeiting the EMD also.

Authorized Signatory

~~ANNEXURE-XXII~~

Affidavit for appointment of Specialised Agency
(Electrical)

Date: __/__/__

Subject: ~~Appointment of Specialised Agency for~~ _____ ~~Works~~

Project: _____

~~We Here by Produce affidavit that We _____ having our registered office at _____ is willing to participate in the upcoming project of _____. As per the Pre Qualification Criteria Clause _____, we hereby submit this affidavit and confirm that if our Techno-Commercial Bid is found successful and LOA/LOI is issued, we shall submit MOU with prospective sub-contractor or manufacturer or authorised dealer who has specific experience qualifying the clause _____ of the tender document before agreement.~~

~~We understand that if we fail to submit such MOU within specified time as per the affidavit and tender documents, Client has right to take appropriate action including forfeiting the EMD also.~~

Authorized Signatory

ANNEXURE-XXIII

Affidavit for appointment of Specialised Agency
(Lift)

Date: __/__/__

Subject: ~~Appointment of Specialised Agency for~~ _____ ~~Works~~

Project: _____

~~We Here by Produce affidavit that We _____ having our registered office at _____ is willing to participate in the upcoming project of _____. As per the Pre Qualification Criteria Clause _____, we hereby submit this affidavit and confirm that if our Techno-Commercial Bid is found successful and LOA/LOI is issued, we shall submit MOU with prospective sub-contractor or manufacturer or authorised dealer who has specific experience qualifying the clause _____ of the tender document before agreement.~~

~~We understand that if we fail to submit such MOU within specified time as per the affidavit and tender documents, Client has right to take appropriate action including forfeiting the EMD also.~~

Authorized Signatory

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

UNDERTAKING

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

SECTION - 3

CONDITIONS OF CONTRACT

Conditions of Contract

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CONDITIONS OF CONTRACT

A. GENERAL.

1. Definitions

- 1.1 Terms which are defined in the Contract Data are not also defined in the Conditions of Contract but keep their defined meaning.

Bill of Quantities means the priced and completed Bill of Quantities forming part of the Bid

Compensation Events are those defined in Clause 44 hereunder

The **Completion Date** is the date of completion of the Works as certified by the Engineer in accordance with Sub Clause 55.1

The Contract is the contract between the Employer and Contractor to execute, complete and maintain the Works **till the completion of Defects Liability Period**. It consists of the documents listed in Clause 2.3 below.

The **Contract data** defines the documents and other information which comprise the Contract.

The **Contractor** is a person or corporate body whose Bid to carry out the Work has been accepted by the Employer.

The **Contractor's Bid** is the completed Bidding document submitted by the Contractor to the Employer and includes Technical and Financial Bids.

The **Contract Price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.

Days are calendar days; **months** are calendar months.

The **Defects Liability Period** is the period named in the Contract Data and calculated from the Completion Date.

The **Employer- The Principal Secretary/ Additional Chief Secretary, Health Department**, Employers representative: Chief Engineer, PIU who is overall in charge of the works and contract signing authority.

The Engineer is the person named in the Contract Data (or any other competent person appointed and notified to the contractor to act in replacement of the Engineer) who is responsible for supervising the Contractor, administering the Contract, certifying payments due to the Contractor, issuing and valuing Variations to the Contract, and valuing the Compensations Events under the control of Superintending Engineer.

Equipment is Contractor's machinery and vehicles brought temporarily to the site to construct the Works.

The **Initial Contract Price** is the Contract Price listed in the Employer's Letter of Acceptance.

The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Engineer by issuing an extension of time.

Materials are all supplies, including consumables, used by the contractor for incorporation in the works.

Plant is any integral part of the work which is to have mechanical, electrical, electronic or chemical or biological functions.

The **Site** is the area defined as such in the Contract Data.

Site Investigation Reports are those which were included in the Bidding documents and are factual interpretive reports about the surface and subsurface conditions at the site.

Specifications means the Specifications of the works included in the Contract and any modification or addition made or approved by the Engineer.

The **Start Date** is given in the Contract Data or Indicating in Work Order. It is the date when the Contractor shall commence execution of the works. It does not necessarily coincide with any of the Site PossessionDates.

A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract which includes work on the Site.

Temporary Works are works designed, constructed, installed, and removed by the Contractor which are needed for construction or installation of the Works.

A **Variation** is an instruction given by the Engineer, which varies the Works.

The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

2. Interpretation

2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter and the other way around. Heading have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Engineer will provide instructions clarifying queries about Conditions ofContract.

2.2 If sectional completion is specified in the Contract Data, references in the Conditions of Contract to the Works, the Completion date, and Intended Completion Date apply to any Section of the Works (other than references to the Completion Date and Intended Completion date for the wholeworks)

2.3 The documents forming the Contract shall be interpreted in the following order ofpriority

- (1) Agreement
- (2) Letter of Acceptance, notice to proceed withworks
- (3) Contractor'sBid

- (4) ContractData
- (5) Conditions of Contract including Conditions ofContract
- (6) Specifications
- (7) Drawings
- (8) Bills of quantitiesand
- (9) Any other document listed in the Contract Data as forming part of the Contract.

3. Language andLaw

- 3.1 The language of the Contract and the law governing the Contract are stated in the ContractData.

4. EngineersDecisions

- 4.1 Except where otherwise specifically stated, the Engineer will decide contractual matters between the Employer and the Contractor in the role representing theEmployer.

5. Delegation

- 5.1 The Engineer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying theContractor.

6. Communications

- 6.1 Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

7. Sub-Contracting

- 7.1 The Contractor may subcontract any portion of work, up to a limit specified in contract data, with the approval of the engineer but may not assign the Contract without the approval of the Employer in writing. Subcontracting shall not alter the Contractor's obligations. **Sub-contracting of supply or specific items of work is notallowed.**
- 7.2 The sub-contractor must be registered in appropriate class and category for the part of work to besubcontracted.

8. OtherContractors

- 8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities and the Employer between the dates given in the Schedule of other Contractor. The Contractors shall as refer to in the Contract Data, also provide facilities and services for them as described in the Schedule. The employer may modify the schedule of other contractors and shall notify the contractor of any suchmodifications.

9. Personnel

- 9.1 The Contractor shall employ the key personnel named in the Schedule of Key Personnel as referred to in the Contract Data to carry out the functions stated in the Schedule or other personnel approved by the Engineer. The Engineer will approve any proposed replacement of key personnel only if their qualifications, abilities, and relevant experience are substantially equal to or better than those of the personnel listed in the Schedule.
- 9.2 If the engineer asks the Contractor to remove a person who is a member of the Contractor Staff or his work force stating the reasons the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

10. Employer's and Contractors Risks

- 10.1 The Employer carries the risk which these Contract states are Employer's risks, and the Contractor carries the risks which these Contracts states are Contractor's risk.

11. Employer's Risks

- 11.1 The employer is responsible for the excepted risks which are (a) in so far as they directly affect the execution of the Works, the risks of war, hostilities, invasion, act of foreign enemies, rebellion, revolution, insurrection or military or usurped power, civil war, riot commotion or disorder (unless restricted to the Contractor's employees), and contamination from any nuclear fuel or nuclear waste or radioactive toxic explosive.

12. Contractor's Risks

- 12.1 All risks of loss of or damages to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

13. Insurance

- 13.1 The Contractor shall provide, in the joint names of the Employer and the Contractor, insurance cover from the Start date to the end of the Defects Liability Period, in the amounts and deductibles stated in the Contract data for the following events which are due to the Contractor's risks:
- (a) Loss of or damage to the works, Plant and materials,
 - (b) Loss of or damage to Equipment
 - (c) Loss of or damages of property (except the Works, Plant, Materials and Equipment) in connection with the Contract; and
 - (d) Personal injury or death.
- 13.2 Policies and certificates for insurance shall be delivered by the Contractor to the Engineer for the Engineer's approval before the Start Date. All such insurance shall provide for compensation to be payable in the types and proportions of currencies required to rectify the loss or damage incurred.

133 If the Contractor does not provide any of the policies and certificates required, the Employer may affect the insurance which the Contractor should have provided and recover the premiums the Employer has paid from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due.

134 Alterations to the terms of an insurance shall not be made without the approval of the Engineer.

135 Both parties shall comply with any conditions of the insurance policies.

14. Site Investigation Report

14.1 The Contractor in preparing the Bid shall rely on any site Investigation reports referred to in the Contract Data, supplemented by any information available to the Bidder.

15. Queries about the Contract data

15.1 The engineer will clarify queries on the Contract Data

16. Contractor to Construct the Works

16.1 The Contractor shall construct and install the works in accordance with the specification and Drawings.

17. The Works to be completed by the Intended Completion Date

17.1 The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the programme submitted by the Contractor, as updated with the approval of the Engineer, and complete them by the Intended Completion date

18. Approval by the Engineer

18.1 The Contractor shall submit Specifications and Drawings showing the proposed Temporary works to the Engineer, who is to approve them if they comply with the Specifications and drawings.

18.2 The Contractor shall be responsible for design of temporary works.

18.3 The Engineer's approval shall not alter the contractor responsibility for design of the Temporary works.

18.4 The Contractor shall obtain approval of third parties to the design of the Temporary works where required.

18.5 All Drawings prepared by the Contractors for the execution of the temporary or permanent work are subject to prior approval by the Engineer before their use.

19. Safety

19.1 The Contractor shall be responsible for the safety of all activities on the Site.

20. Discoveries

- 20.1 Anything of historical or other interest or of significant value unexpectedly discovered on the site is the property of the Employer. The contractor is to notify the engineer of such discoveries and carry out the Engineer's instructions for dealing with them.

21. Possession of the Site

- 21.1 The Employer shall give possession of all parts of the site to the Contractor. If possession of a part is not given by the date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be a Compensation Event.
- 21.2 If within 25% of the time limit of the project, 80% of possession of the site is not handed over to the Contractor, then contractor/ Employer may fore-close the contract. Contractor/Employer has to foreclose the work within as decided by Employer. after lapse of 25%-time limit and after 30 days foreclosure option will be closed.

22. Access to the Site

- 22.1 The Contractor shall allow the Engineer and any person authorized by the Engineer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plants are being manufactured/ fabricated/ assembled for the works.

23. Instructions

- 23.1 The Contractor shall carry out all instructions of the Engineer pertaining to works which comply with the applicable laws where the site is located.
- 23.2 The Contractor shall permit the Employer to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors appointed by the Employer, if so required by the Employer.

24. Disputes

- 24.1 If the Contractor is of the view that a decision taken by the Engineer was either outside the authority given to the Engineer by the Contract or that the decision was wrongly taken, the decision shall be referred to **#Superintending Engineer** (Higher Authority) within 30 days of the notification of the Engineer's decision. If the issue is not resolved, any party can refer the matter for conciliation within 30 days from the decision given by the **#Superintending Engineer**.

24.2

- (a) For the work up to Rs.250 Cr., if any of the parties is not satisfied with the decision of the **#Superintending Engineer**, both the parties have to refer to the Chief Engineer concern for the conciliation process.
- (b) For the work more than Rs.250 Cr., if any of the parties is not satisfied with the decision of the **#Chief Engineer**, both the parties have to refer to the **#Secretary, Roads & Building Department, Government of Gujarat** for the conciliation process.

If the dispute is not resolved through the conciliation process, he may refer the dispute to Gujarat Public Works Contract Dispute Arbitration Tribunal. If the Contractor fails to refer a claim / dispute to the Higher Authority within 14 days of the notification of the Engineer's decision, the Contractor shall not be entitled to any additional payment/claim if he doesn't follow the above sequence in stipulated time and he should not stop the work.

25. Procedure for Disputes

- 25.1 The arbitration shall be conducted in accordance with the arbitration procedure stated in the Special Conditions of Contract.

26. Deleted

B. TIMECONTROL

27. Programme

- 27.1 Within the time stated in the Contract Data the Contractor shall submit to the Engineer for approval a Programme showing the general methods, arrangements orders, and timing for all the activities in the works along with monthly cash flowforecast.
- 27.2 An update of the Programme shall be a programme showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work including any changes to the sequence of theactivities.
- 27.3 The Contractor shall submit to the Engineer, for approval an updated programme at intervals no longer than the period stated in the Contract data. If the Contractor does not submit an updated programme within this period, the Engineer may withhold the amount stated in the Contract data from the next payment after the date on which the overdue programme has been submitted.
- 27.4 The Engineer's approval of the programme shall not alter the Contractor's obligations. The Contractor may revise the programme and submit it to the Engineer again at any time. A revised programme is to show the effect of Variations and Compensationsevents.

28. Extension of the Intended CompletionDate

- 28.1 The Engineer shall extend the Intended Completion Date if a compensation Event occurs or a Variation is issued which makes it impossible for completion to be achieved by the Intended Completion Date without the Contractor taking steps to accelerate the remaining work and which would cause the Contractor to incur additionalcost.
- 28.2 The Engineer shall decide whether and by how much to extend the Intended Completion Date within 35 days of the Contractor asking the Engineer for a decision upon the effect of a compensation event or Variation and submitting full supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay by this failure shall not be considered in assessing the new Intended Completion Date.
- 28.3 The Engineer shall within 14 days of receiving full justification from the contractor for extension of Intended Completion Date refer to the Employer his decision. The employer shall in not more than 21 days communicate to the engineer the acceptance or otherwise of the Engineer's decision. If the employer fails to give his acceptance, the Engineer shall not grant the extension and the contractor may refer the matter under Clause24.1

29. Deleted

30. Delays Ordered by theEngineer

- 30.1 The Engineer may instruct the Contractor to delay the start or progress of any activity within the works.

31. Management Meetings

- 31.1 Either the Engineer or the Contractor may require the other to attend a management meeting. The business of a management meeting shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.
- 31.2 The Engineer shall record the business of management meetings and is to provide copies of his record to those attending the meeting and to the Employer. The responsibility of the parties for actions to be taken is to be decided by the Engineer either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.

32. Early Warning

- 32.1 The Contractor is to warn the Engineer at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the work, increase the Contract price or delay the execution of works. The Engineer may require the contractor to provide an estimate of the expected effect of the future event or circumstance on the contract price and completion date. The estimate is to be provided by the Contractor as soon as reasonably possible.
- 32.2 The Contractor shall cooperate with the Engineer in making and considering proposals for how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the work and in carrying out any resulting instruction of the Engineer.

#33. Identifying Defects/ Defect liabilityperiod

33.1 : Defect liability period: The contractor shall be responsible to make good and remedy at his own expense any defect which may develop or may be noticed before the period mentioned hereunder from the certified date of completion. The Engineer in charge shall give the contractor a notice in writing about the defects and the contractor shall make good the same within 15 days of receipt of the notice. In the case of failure on the part of the contractor, the Engineer-in-charge may rectify or remove or re-execute the work at the risk & cost of the contractor. The Engineer-in-charge shall be entitled to appropriate the whole or any part of the amount of security deposit towards the expenses, if any, Incurred by him in rectification, removal or re-execution. The Defects Liability period shall be asunder....

- (a) For all works costing up to Rs. 50,000 (amount put to tender), the period shall be 3 Months from the certified date of completion.
- (b) For all works costing more than Rs. 50,000 and up to Rs. 1 crore (amount put tender), the period shall be 12 (Twelve) months from the certified date of completion or one monsoon, whichever is later.
- (c) For major projects costing more than Rs. 1 crore, the period shall be 36 Months from the certified date of completion which should include three monsoons.
- (d) For original building works the defect liability period will be 4 years or elapse of 4 monsoon period following date of possession of building taken over by user agency following the certified date of completion, whichever is later. For the purpose of deciding the monsoon period, the 30th September shall be treated as the last date.

33.2 Free maintenance guarantee period for works of building and allied system construction

(a) Deleted

(b) Deleted

- (c) Building and allied system of ~~MCPS, MOT, CSSD, Lift~~, Electrification, ~~ELV~~, Water Supply System, Drainage System, ~~HVAC contractor~~ shall maintain in operational condition by repairing, replacing, renovating of any component of building or allied system above as per mention period Cl.33 (D) also contractor shall deploy the qualified manpower for the operation of the system as per requirement

However, this amount shall be released against fixed deposit or bank guarantee pledged in the name of Executive Engineer after completion certificate of work is issued.

(1) Deleted

(2) Deleted

(3) Deleted

(4) Deleted

further that such interruption and diversion shall be undertaken by the Contractor only with the prior written approval of the Executive Engineer which approval shall not be unreasonably withheld. For the avoidance of doubt, it is agreed that the Contractor shall at all times be responsible for ensuring safe operation of the road.

- 33.3 The Engineer shall check the Contractor's work and notify the Contractor of any defects that are found. Such checking shall not affect the Contractor's responsibilities the Engineer may instruct the Contractor to search for a Defect and to uncover and test any work that the Engineer considers may have a Defect.

34. Tests

- 34.1 If the engineer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no defect the test shall be a CompensationEvent.

- 34.2 #1% of the amount of **work done** should be deducted from R.A. Bill of the contractor for testing the quality of material workmanship, irrespective of actual charges. We may allow testing certificates of GERI or Government approved Lab by R&B Department/ PIU.

- 34.3 Agency has to establish testing laboratory on site for the various test to be carried out in the work for this purpose agency shall construct a pukka laboratory building with all facility on site at location specified by the engineer incharge. Penalty as per R&B Circular no. _____ Dt. _____.

35. Correction of defects

- 35.1 The engineer shall give notice to the Contractor of any defects before the end of the defects Liability Period, which begins at Completion and is defined in the contract data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.
- 35.2 Every time notice of a Defect is given, the Contractor shall correct the notified defect within the length of time specified by the Engineer's notice.

36. Uncorrected Defects

- 36.1 If the Contractor has not corrected a defect within the time specified in the Engineer's notice, the Engineer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

D. COST CONTROL

37. Bill of Quantities

- 37.1 The bill of Quantities shall contain items for the constructions, installation, testing and commissioning work to be done by the Contractor.
- 37.2 The bill of Quantities is used to calculate the Contract price. The Contractor is paid for the quantity of the work done at the rate in the Bill of Quantities for each item.

38. Change in the Quantities

- 38.1 The Engineer shall have power to make any alterations in or addition to the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work and the contractor shall be bound to carry out the work in accordance with any instruction in this connection which may be given to him in writing signed by the Engineer and such alteration shall not invalidate the contract and any additional work which the contractor may be directed to do in the manner above specified as part of the work shall be carried out by the contractor on the same conditions in all respects on which he agreed to do the main work and at the same rate as are specified in the tender for the mainwork.

Except that when the quantity of any item exceeds the quantity as in the tender by more than 130%, the contractor will be paid for the quantity in excess of 130%, at the rate entered in the SOR of the year during which the excess in quantity is first executed.

39. Variations

- 39.1 All Variations shall be included in updated programmes produced by the Contractor.

40. Payments for Variations

- 40.1 If the additional or altered work includes any class of work for which no rate is specified in this contract, then such class of work shall be carried out as under.

(i) At the rate derived from the item within the contract which is comparable to the one involving additional or altered class of work; where there are more than one comparable items, the item of the contract which is nearest in comparison with regard to class or classes of the work involved shall be selected and the decision of the Superintending Engineer as to the nearest comparable item shall be final and binding on the contractor.

(ii) If the rate cannot be derived in accordance with (i) above, such class of works shall be carried out at the rate entered in the Schedule of Rates of the division

for the year in which the tender was received, increased or decreased by the percentage by which the tender amount is more or less as compared to the amount arrived at the rates in the "Schedule of Rates" of the Division in the year in which the tender was received. If the Schedule of rates of the Division does not contain all the items, the percentage increase or decrease of the tender shall be calculated considering such items which were included in the "Scheduled Rates" of the division for the year and for materials consumed on such item the rate to be charged would be the basic rate taken into account for fixing the rate in S.O.R. referred to above.

- (iii) If it is not possible to arrive at the rate from (i) and (ii) above, such class of work shall be carried out at the rate decided by the competent authorities on the basis of detailed rate analysis after hearing the contractor before a Committee of two Superintending Engineers stationed at the same place or the nearest place.
- 402 If the additional or altered work, for which no rate is entered in the "Schedule of Rates" of the Division is ordered to be carried out before the rate is agreed upon, then the contractor shall within seven days of the date of receipt by him of the order to carry out the work, inform the Engineer-in-charge of the rate, which it is his intention to charge for such class of work and if the Engineer in charge does not agree to this rates, he shall by notice in writing be at liberty to cancel his order to carry out such class of work and arrange to carry it out in such manner as he may consider it advisable, provided always that if the contractor shall commence work or incur any expenditure in regard thereof before the rates shall have been determined as lastly herein before mentioned, then in such cases he shall only be entitled to be paid in respect of the work carried out or expenditure incurred by him prior to the date of the determination of the rate as aforesaid according to such rate or rates as shall be fixed by the Engineer-in-charge. In the event of the dispute, the decision of the Superintending Engineer of the Circle shall be final.

Where, however, the work is to be executed according to the designs, drawings and specifications recommended by the contractor and accepted by the competent authority, the alternation above referred to shall be within the scope of such designs, drawings and specifications appended to the tenders.

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

41. Cash Flow Forecasts

- 41.1 When the programme is updated, the contractor is to provide the engineer with an updated cash flow forecast.

42. Payment certificates.

421 The Contractor shall submit to the Engineer monthly statements of the estimated value of the work completed less the cumulative amount certified previously.

~~422 The Engineer shall check the Contractor's monthly statement within 14 days and certify the amount to be paid to the Contractor after taking in to account any credit or debit for the month in question in respect of materials for the works in the relevant amounts and under conditions set forth in sub-clause 32.3 of the Contract Data (secured Advance).~~

423 The value of work executed shall be determined by the Engineer.

424 The value of work executed shall comprise the value of the quantities of the items in the Bill of Quantities completed.

425 The value of work executed shall include the valuation of variations and compensation events.

426 The Engineer may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information

43. Payments

431 Payments shall be adjusted for deductions for advance payments, retention, other recoveries in terms of the contract and taxes at source, as applicable under the law. The Employer shall pay the Contractor the amounts certified by the Engineer within 28 days of the date of each certificate.

432 Payment of GST (prevailing rates) on the amount payable under the contract to the Contractor will be made by the Employer. Hence, it is the responsibility of the contractor to pay the GST to the concerned Authority of Government. We should decide policy for estimate base on R&B SOR other than 2023-24 and other RA items and electrical items.

433 Items of the works for which no rate or price has been entered in will not be paid by the Employer and shall be deemed covered by other rates and prices in the Contract.

44. Compensation events

441 The following are compensation Events unless they are caused by the Contractor:

(a) The Employer does not give access to a part of the Site by the site Possession date stated in Contract data to the Contractor

442 In case of compensation event occurs and it prevents the work being completed beyond the Intended Completion Date then Authority will approve Extension of Time with eligible contractual price escalation.

45. Tax

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

45.2 GST will be paid separately on the bills. Hence, it is the responsibility of the contractor to pay the GST to the concerned Authority. Ref. 43.2

46. Currencies.

46.1 All payment shall be made in Indian Rupees.

47. Price Adjustment

47.1 Contract price shall be adjusted for increase or decrease in rates and price of labour, materials, fuels and lubricants in accordance with the following principles and procedures and as per formula given in the contract data:

(a) The price adjustment shall apply for the work done from the start date given in the contract data up to end of the initial intended completion date or extensions granted by the Engineer and shall not apply to the work carried out beyond the stipulated time for reasons attributable to the contractor.

(b) The price adjustment shall be determined during each month from the formula given in the contract data.

(c) Following expressions and meanings during the work done during each month

R = Total value of work done during the month. It would include the amount of secured advance granted, if any, during the month less the amount of secured advance recovered, if any during the month. It will exclude value for works executed under variations for which price adjustment will be worked separately based on the terms mutually agreed.

47.2 To the extent that full compensation for any rise or fall in costs to the contractor is not covered by the provisions of this or other clause in the contract, the unit rates and prices included in the contract shall be deemed to include amounts to cover the contingency of such other rise or fall in costs.

48. Retention

48.1 The Employer shall retain from each payment due to Contractor the proportion stated in the Contract Data until Completion of the whole of the Works.

- 482 On Completion of the whole of the Works half the total amount retained is repaid to the Contractor and half when the Defects Liability Period has passed and the Engineer has certified that all Defects notified by the Engineer to the Contractor before the end of this period have been corrected.
- 483 On completion of the whole works, the contractor may substitute retention money with an “on demand” Bank guarantee.

In case, Contractor requests for refund of the Retention Money deducted by the Employer under the provision of this clause, Employer shall consider the said request of the Contractor provided that the refund hereunder shall be made in tranches of not less than 1% (One Percent) of the Contract Price and Contractor furnishes an irrevocable and unconditional Bank guarantee for an equal amount substantially in the format of Bank Guarantee for Performance Guarantee enclosed with SBD and valid up to 60 day beyond the scheduled / extended Defects Liability Period. On completion of the whole works, the contractor has however an option to submit a fresh irrevocable and unconditional Bank Guarantee for an amount equal to 5% of the total value of work executed substantially in the format of Bank Guarantee for Performance Guarantee enclosed with SBD and valid up to 60 days beyond the Defect Liability Period and yet refund the Retention Money Bank Guarantee submitted for refund of Retention Money.

49. Liquidated Damages

- 491 The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date (for the whole works or the milestone as stated in the contract data). The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payment due to the Contractor. Payment of liquidated damages does not affect the Contractor's liabilities.
- 492 If the Intended Completion Date is extended after liquidated damages have been paid, the Engineer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment certificate. The Contractor shall not be entitled for any interest on the over payment calculated from the date of payment to the date of repayment.
- 493 If the contractor fails to comply with the time for completion as stipulated in the tender, then the contractor shall pay to the employer the relevant sum stated in the Contract Data as Liquidated damages for such default and not as penalty for everyday or part of day which shall elapse between relevant time for completion and the date stated in the taking over certificate of the whole of the works on the relevant section, subject to the limit stated in the contract data.

The employer may, without prejudice to any other method of recovery deduct the amount of such damages from any monies due or to become due to the contractor. The payment or deduction of such damages shall not relieve

the contractor from his obligation to complete the works on from any other of his obligations and liabilities under the contract.

- 494 If, before the Time for Completion of the whole of the Works or, if applicable any Section, a Taking Over Certificate has been issued for any part of the Works or of a Section, the liquidated damages for delay in completion of the remainder of the Works or of that Section shall, for any period of delay after the date stated in such Taking-Over-Certificate, and in the absence of alternative provisions in the Contract, be reduced in the proportion which the value of the part so certified bears to the value of the whole of the Works or Section, as applicable. The provisions of this Sub-clause shall only apply to the rate of liquidated damages and shall not affect the limit thereof.

50—Bonus

- 501—~~If the contractor achieves completion of the whole of the works prior to the intended Completion Date prescribed in Contract Data the Employer shall pay to the contractor a sum stated in Contract Data as bonus for every completed month but subjected to maximum amount as stated in Contract Data; which shall elapse between the date of completion of all items of works as stipulated in the contract, including variations ordered by the Engineer and the time prescribed in Clause 17.~~

- 502—~~Bonus shall be paid only to works amounting to above INR 5 crore with time limit of the works is equal or more than 6 months. The bonus would be paid as under~~

% of Time Saved	% of Initial Contract Price entitled for Bonus
50 %	5%
40 %	4%
30 %	3%
20 %	2%
10 %	1%
Less than 10%	0%

51.—Advance Payment.

- 511—~~The Employer shall make advance payment (not to be paid less than two installments except in special circumstances for which the reason to be Recorded in writing) to the Contractor of the amounts stated in the Contract Date by the date stated in the Contract Date, against provision by the Contractor of an Unconditional Bank Guarantee in a form and by a bank acceptable to the Employer in amounts and currencies equal to be at least 110% of the advance payment. The guarantee shall remain effective until the~~

~~advance payment has been repaid, but the amount of the guarantee shall be progressively reduced by the amounts repaid by the Contractor. The Mobilization advance would be deemed as interest bearing advance at an interest rate of 10 % to be compounded, quarterly.~~

~~512 The Contractor is to use the advance payment only to pay for Equipment, plant and Mobilization expenses required specifically for execution of the Works. The Contractor shall demonstrate that advance payment has been used in this way by supplying copies of invoices or other documents to the engineer.~~

~~513 The advance payment shall be repaid by deduction proportionate amount from payments otherwise due to the Contractor, following the schedule of completed percentages of the Works on a payment basis. No account shall be taken of the advance payment or its repayment in assessing valuations of work done, variations, price adjustments, Compensation Events, or Liquidated damages.~~

514 Deleted

52. Securities

521 The performance Security (including additional security for unbalanced bids) shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and by a bank or surety acceptable to the Employer, and denominated in Indian Rupees. The performance Security shall be valid until a date 60 days from the date of expiry of Defects Liability Period and the additional security for unbalanced bids shall be valid until a date 28 days from the date of issue of the certificate of completion.

53. Deleted

54. Cost of Repairs.

541 Loss or damage to the Works or Materials to be incorporated in the Works between the Start date and the end of Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damages arises from the Contractor's acts or omissions.

E. FINISHING THE CONTRACT

55. Completion

- 55.1 The Contractor shall request the Engineer to issue a Certificate of Completion of the works and the Engineer will do so upon deciding that the work is completed.

56. Taking Over

- 56.1 The Employer shall take over the Site and the Works within seven days of the Engineer issuing a certificate of Completion.

57. Final Account

- 57.1 The Contractor shall supply to the Engineer a detailed final account of the total amount that the Contractor considers payable as full and final settlement of all claims under the Contract for items before the end of the Defects Liability Period. The Engineer shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 56 days of receiving the Contractor's account if it is correct and complete. If it is not, the Engineer shall issue within 56 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Engineer shall decide on the amount payable to the Contractor and issue a payment certificate, within 56 days of receiving the Contractor's revised account.
- 57.2 If reversal in characteristic of tender (L1 becoming L2) on account of excesses and savings in final account is observed, the Engineer/Employer shall be at liberty to restrict the final payment of BOQ items to the lowest amount evaluated of the bids considering the final quantities and the rates quoted including the rebates if any. Payment of variation items shall however be made at the rates approved by the Employer, within 90 days from the physical completion of work. (Applicable for item rate tender only)

Operating and Maintenance Manuals

- 57.3 If "as built" drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the Contract data.
- 57.4 If the Contractor does not supply the Drawings and/or manuals by the dates stated in the Contract data, or they do not receive the Engineer's approval, the Engineer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

58. Termination

- 58.1 The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.

582 Fundamental breaches of Contract include, but shall not be limited to the following:

1. The contractor stops work for 28 days when no stoppage of work is shown on the current programme and the stoppage has not been authorized by the Engineer
2. The Engineer instructs the Contractor to delay the progress of the Works and the instructions is not withdrawn within 28 days;
3. The Employer or the Contractor is made bankrupt or goes into liquidation other than for a reconstruction or amalgamation
4. A payment certified by the Engineer is not paid by the Employer to the Contractor within 56 days of the date of the Engineer's certificate
5. The Engineer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Engineer;
6. The Contractor does not maintain a security which is required;
7. The Contractor has delayed the completion of works by the number of days for which the maximum amount of liquidated damages can be paid as defined in the Contract data; and
8. If the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this paragraph: "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution. "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition.

583 When either party to the Contract gives notice of a breach of contract to the Engineer for a cause other than those listed under Sub Clause 59.2 above, the Engineer shall decide whether the breach is fundamental or not.

584 Notwithstanding the above, the employer may terminate the Contract for convenience.

59. Payment upon Termination

59.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Engineer shall issue a Certificate for the value of the work

done less advance payments received up to the date of the issue of the

certificate, less other recoveries due in terms of the contract, less taxes due to deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor the difference shall be a debt payable to the Employer.

- 592 If the Contract is terminated at the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Engineer shall issue a certificate for the value of the work done, the cost of balance material brought by the contractor and available at site, the reasonable cost of removal of equipment, repatriation of the Contractor's personnel employed solely on the works, and the Contractor's cost of protecting and securing the Works and less advance payment received up to the date of the certificate, less other recoveries due in terms of the contract and less taxes due to deducted at source as per applicable law.

60. Property

- 601 All materials on the Site, Plant Equipments, Temporary Works and Works are deemed to be property of the Employer, if the Contract is terminated because of a Contractor's default.

61. Release from Performance

- 61.1 If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of either the Employer or the Contractor the Engineer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which commitment was made.

F. SPECIAL CONDITIONS OF CONTRACT

62. LABOUR

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment of housing, feeding and transport.

The Contractor shall, if required by the Engineer, deliver to the Engineer a return in detail, in such form and at such intervals as the Engineer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the site and such other information as the Engineer may require.

63. COMPLIANCE WITH LABOUR REGULATIONS

During continuance of the contract, the Contractor and his sub-contractor shall abide at all times by all existing labour enactments and rules made thereunder, regulations, notification and bye laws of the State or central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notifications that may be issued under any labour law in future either by the State or the Central Government or the local authority. Salient features of some of the major labour laws that are applicable to the construction industry are given below. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made thereunder, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, the Engineer/employer shall have the right to deduct any money due to the Contractor including his amount of performance security. The Employer/Engineer shall also have the right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor and the Sub-Contractor in no case shall be treated as the employees of the Employer at any point to time.

SALIENT FEATURES OF SOME MAJOR LABOUR AND OTHER LAWS APPLICABLE TO ESTABLISHMENTS ENGAGED IN BUILDING AND OTHER CONSTRUCTIONS WORK

- A) **Workmen Compensation Act 1923**:- The Act provides for compensation in case of injury by accident arising out of and during the course of employment.
- B) **Payment of Gratuity Act. 1972**:- Gratuity is payable to an employee under the Act on satisfaction of certain conditions on separation if an employee has completed 5 years service or more on death, the rate of 15 days wages for every completed year of service. The Act is applicable to all establishments employing 10 or more employees.
- C) **Employees P.F. and Miscellaneous Provision Act 1952**:- The Act Provides for monthly contributions by the employer plus workers @ 10% or 8.33% The benefits payable under the Act are:
1. Pension or family pension on retirement or death, as the case maybe.
 2. Deposit linked insurance on the death in harness of the worker.
 3. Payment of P.F. accumulation on retirement/death etc.
- D) **Maternity Benefit Act 1951** :- The Act provides for leave and some other benefits to women employees in case of confinement or miscarriage etc.
- E) **Contract Labour (Regulation & Abolition) Act 1970**: The Act provides for certain welfare measures to be provided by the Contractor to contract labour and in case the Contractor fails to provide, the same are required to be provided, by the Principal Employer by Law. The principal Employer is required to take Certificate of Registration and the Contractor is required to take license from the designated Officer. The Act is applicable to the establishments or Contractor of Principal Employer, if they employ 20 or more contract labour.
- F) **Minimum Wages Act 1948** :- The Employer is supposed to pay not less than the Minimum Wages fixed by appropriate Government as per provisions of the Act, if the employment is a scheduled employment. Construction of Building, Roads, Runways are scheduled employment.
- G) **Payments of wages Act 1936**:- It lays down as to by what date the wages are to be paid, when it will be paid and what deductions can be made from the wages of the workers.
- H) **Equal remunerations Act 1979** :- The Act provides for payment of equal wages for work of equal nature to Male and Female workers and for not making discrimination against female employees in the matter of transfer, training and promotion etc.
- I) **Payments of Bonus Act 1965**:- The Act is applicable to all establishments employing 20 or more employees. The Act provides for payments of annual bonus subject to a minimum of 8.33% of wages and maximum of 20 % of wages to employees drawing Rs. 3500/- per month or less. The bonus to be paid to employees getting Rs, 2500/- per month or above Rs. 3500/- per month shall be worked out by taking wages as Rs.2500/- per month only. The Act does not

apply to certain establishments. The newly set-up establishments are exempted for five years in certain circumstances. Some of the State Governments have reduced the employment size from 20 to 10 for the purpose of applicability of this Act.

- J) **Industrial Disputes Act 1947 :-** The Act lays down the machinery and procedure for resolutions of Industrial disputes, in what situations a strike or lock-out becomes illegal and what are the requirements for laying off or retrenching the employees or closing down the establishment.
- K) **Industrial employment (standing Orders) Act 1946 :-** It is applicable to all establishments employing 100 or more workmen (employment size reduced by some of the State and Central Government to 50). The Act provides for laying down rules governing the conditions of employment by the Employer on matters provided in the Act and get the same certified by the designated Authority.
- L) **Trade Unions Act 1926:-**The Act lays the procedure for registration of trade unions of workmen and employers. The Trade Unions registered under the Act have given certain immunities from civil and criminal liabilities.
- M) **Child Labour (Prohibition & Regulation Act 1986 :-**The Act prohibits employment of children below 14 years of age in certain occupations and process and provides for regulation of employment of children in all other occupations and processes. Employment of Child labour is prohibited in Building and Construction Industry.
- N) **Inter – State Migrant workmen’s (Regulation of Employment & Conditions of service) Act 1979:-**The Act is applicable to an establishment which employs 5 or more inter-state migrant workmen through an intermediary (who has recruited workmen in one state for employment in the establishment situated in another state).The inter-state migrant workmen, is an establishment to which this Act becomes applicable, are required to be provided certain facilities such as housing, medical aid, traveling expenses from home upto the establishment and back, etc.
- O) **The Building and Other Construction workers (Regulation of employment and Conditions of Service) Act 1996 and the Cess Act of 1996:-**All the establishments who carry on any building or other constructions work and employ 10 or more workers are covered under this Act.
All such establishments are required to pay cess at the rate not exceeding 1% of the cost of construction as may be modified by the government. The Employer of the establishment is required to provide safety measures at the Building or construction work and other welfare measures, such as canteens, First Aid facilities, Ambulance, Housing accommodations for workers near the workplace etc. The Employer to whom the Act applies has to obtain a registration certificate from the Registering Officers appointed by the Government.

- P) **Factories Act 1948** :-The Act lays down the procedure for approval of plans before setting up a factory, health and safety provisions, welfare provisions, working hours, annual earned leave and rendering information regarding accidents or dangerous occurrences to designated authorities. It is applicable to premises employing 10 persons or more with aid of power or 20 or more persons without the aid of power engaged in the manufacturing process.
- Q) **Royalty charges**-The contractor shall pay the royalty to the competent authority as per rule. The **royalty** charges paid shall be borne by the contractor and shall not be reimbursed by the Employer.
- R) **Following Pollution control Acts and amendments made thereof from time to time shall be applicable.**
1. Water (Preservation and control of Pollution) Act, 1974
 2. Air (Prevention and Control of Pollution) Act 1981
 3. Environmental (Protection) Act 1986

The contractor must commit to adopting Environmental management plan for best energy use, waste management, the reduction of pollution as in EMS (Environmental Management system) ISO-14001-2015

64. ARBITRATION (GCC Clause 24)

The procedure for arbitration will be as follows: -

24.1 If the Contractor is of the view that a decision taken by the Engineer was either outside the authority given to the Engineer by the Contract or that the decision was wrongly taken, the decision shall be referred to **#Superintending Engineer** (Higher Authority) within 14 days of the notification of the Engineer's decision. If the issue is not resolved, any party can refer the matter for conciliation within 15 days from the decision given by the **#Superintending Engineer**.

24.2

- (a) For the work up to Rs.250 Cr., if any of the parties is not satisfied with the decision of the **#Superintending Engineer**, both the parties have to refer to the **#Chief Engineer** concerned for the conciliation process.
- (b) For the work more than Rs.250 Cr., if any of the parties is not satisfied with the decision of the **Chief Engineer**, both parties have to refer to the **#Secretary, Health Department, Government of Gujarat** for the conciliation process.

If the dispute is not resolved through the conciliation process, contractor may refer the dispute to Gujarat Public Works Contract Dispute Arbitration Tribunal. If the Contractor fails to refer a claim / dispute to the Higher Authority within 14 days of the notification of the Engineer's decision, the Contractor shall not be entitled to any additional payment/claim if he doesn't follow the above sequence in stipulated time. However, during such period, he would not stop the work in any case.

SECTION - 4
CONTRACT DATA

#CONTRACT DATA

Clause Reference With respect To section 3

Item marked "N/A" do not apply to this Contract.

1. The Employers is [CL.1.1]
Name: Principal Secretary, Health and Family Welfare Department
Address:
Name of authorized Representative (Chief Engineer, PIU)
2. The Engineer is Superintending Engineer.
Name of Authorized Representative: Executive Engineer
3. The Defects Liability Period is years from the date of completion. [CL.1.1&33]
4. The Start Date shall be 1st days for the date of issue of the Notice to proceed with the work. [CL.1.1]
5. The Intended Completion Date for the whole of the works is [CL.1.1,17&2]
..... **Months** after start of work with the following milestones:
Milestone dates: [CL.2.2& 49.1]
Physical works to be completed Period from the start date
Milestone1 i.e.%days.
Milestone2 i.e.%days.
Milestone3 i.e.%days.
Milestone4 i.e.%days.
6. The Site is located at..... [CL.1.1]
7. The name and identification number of the Contract is: [CL.1.1]
8. The works consist of with items as per [CL.1.1]
B.O.Q. The works shall, inter alia, include the following, as Specified or as directed:

(A) Road Works

~~Site clearance; setting – out and layout; widening of existing carriageway and strengthening including camber corrections; construction of new road/ Parallel service road; bituminous pavements remodeling/construction of junctions, intersections, bus bays, lay bays; supplying and placing of drainage Channels, flumes, guard posts and guard other related items; construction/extension of cross drainage works, bridge, approaches and other related stones; protective works for roads/bridge; all aspects of quality assurance of various components of the works; rectification of The defects in the completed works during the Defects Liability Period; submission of "As built" drawings and any other related documents; and other item of work as may be required to be carried out for completing the work in accordance with the drawings and the provisions of the contract and to ensure safety.~~**Delete**

(B) Bridge Works

~~Site clearance; setting out, provision of foundations, piers abutments and bearing; prestressed/reinforced cement concrete superstructure; wearing coat, hand railings, expansion joints, approach slabs, drainages spouts/ downtake pipes, arrangements for fixing light posts, water mains, utilities etc; provision of suitably designed protective works; providing wing/return walls; provision of road markings, road signs etc.; all aspects of quality assurance; clearing the site and handing over the works on completion; rectification of the defects during the Defects Liability Period and submission of "As built" drawings and other related documents; and other items of work as may be required to be carried out for completing the works in accordance with the drawings and the provisions of the contract and to Insure safety~~**Delete**

(C) Building Works

{CL.1.1}

(D) Other Items

Any Other Items as required to fulfill all contractual obligations as per the Bid documents.

10. The following documents also form part of the Contract: {CL.2.3(9)}
As per clause 2-3
11. The law which applies to the Contract is the law of Union of India {CL.3.1}
12. The language of the Contract documents is English {CL.3.1}
13. Limit of subcontracting 25% of the Initial Contract Price {CL.7.1}
14. The Schedule of Other Contractors {CL.8}
15. The Schedule of Key Personnel As per Annex – II to Section I {CL.9}
16. The minimum insurance cover for physical property, injury and death is Rs. 5 lakhs per occurrence with the number of occurrences limited to four. After each occurrence, the contractor will pay an additional premium necessary to make insurance valid for four occurrences always. {CL.13}
17. Site Investigation report {CL.14}
18. The Site Possession dates shall be {CL.21}
19. The period for submission of programme for approval of the engineer shall be 21 days from the issue of Letter of Acceptance. {CL. 27.1}
20. The period between program updates will be days. {CL.27.3}
21. The amount to be withheld for late submission of an updated programme shall be Rs lakhs {CL. 27.3}

22. ~~The following events shall also be Compensation Events~~
~~Substantially adverse ground conditions encountered during the~~
~~course of execution of work not provided for in the bidding document.~~
- ~~(i) — Removal of underground utilities detected subsequently~~
 - ~~(ii) — Significant changes in classification of soil requiring~~
~~additional mobilization by the contractor, e.g. ordinary soil~~
~~to rock excavation,~~
 - ~~(iii) — Removal of unsuitable material like marsh, debris dumps,~~
~~etc. not caused by the contractor.~~

[CL. 44]

- (iv) ~~Artesian conditions~~
 - (v) ~~Seepage, erosion landslide~~
 - (vi) ~~River training requiring protection of permanent work~~
 - (vii) ~~Presence of historical, archeological or religious structures, monuments interfering with the works~~
 - (viii) ~~Restriction of access to ground imposed by civil, judicial, or military authority~~
23. The currency of the Contract is Indian Rupees [CL. 46]
24. **The formula (e) for adjustment of prices are as under:** [CL.47]
- ~~If any of the commodities like Cement, Steel or Bitumen are not found applicable in a work, the weight component of that commodities {i.e. 'Cement' (Pc), 'Steel' (Ps) or 'Bitumen' (Pb) as indicated in SBD for the purpose of Price Adjustment} shall be clubbed with the weight component of 'Other Material' (Pm), such that the gross % weight of the components shall remain as 100%.~~
- R = value of work as defined in Clause 47.1 of Conditions of Contract

Adjustment for labour component

- (i) ~~Price adjustment for increase or decrease in the cost due to labour shall be paid in accordance with the following formula:~~

$$V_L = \frac{0.85 \times (P_i/100) \times R \times (L_i - L_0)}{L_0}$$

~~V_L = Increase or decrease in the cost of work during the month under consideration due to changes in rates for local labour~~

~~L₀ = The consumer price index for industrial workers for the State on 28 days preceding the scheduled date of opening of technical Bids as published by Labour Bureau, Ministry of Labour, Government of India~~

~~L_i = The consumer price index for industrial workers for the State for the month under consideration as published by the Labour Bureau, Ministry of Labour, Government of India.~~

~~P_i = Percentage of labor component of the work.~~

Adjustment for cement component.

- (ii) ~~Prices adjustment for increase or decrease in the cost of cement procured by the contractor~~

$$V_c = \frac{0.85 \times (P_c/100) \times R \times (C_i - C_0)}{C_0}$$

~~V_c = Increase or decrease in the cost of work during the month under consideration due to changes in rates for cement.~~

~~C₀ = The all India wholesale price index for Ordinary Portland Cement on 28 days preceding the scheduled date of opening of technical bid as published by the Office of the Economic Adviser, Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry.~~

~~C_i = The all India average wholesale price index for Ordinary Portland Cement for the month under consideration as published by Office of the Economic Adviser, Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry.~~

~~P_c = Percentage of cement component of the work~~

Adjustment for steel component

~~(iii) — Price adjustment for increase or decrease in the cost of steel procured by the contractor shall be paid in accordance with the following formula~~

$$~~V_s = 0.85 \times (P_s/100) \times R \times (S_i - S_0)/S_0~~$$

~~V_s = Increase or decrease in the cost of work during the month under consideration due to changes in the rates for steel~~

~~S₀ = The all India wholesale price index for steel (Mild Steel – Long Products Rebars) on 28 days preceding the date of opening of Bids as published by the Office of the Economic Adviser, Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry.~~

~~S_i = The all India average wholesale price index for steel (Mild Steel – Long Products Rebars) for the month under consideration as published by Office of the Economic Adviser, Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry.~~

~~P_s = Percentage of steel component of the work~~

~~Note : For the application of this clause, the index of Mild Steel – Long products Rebars has been chosen to represent the steel group.~~

Adjustments of bitumen component

~~(iv) — Price adjustment for increase in the cost of bitumen shall be paid in accordance with the following formula~~

$$~~V_b = 0.85 \times (P_b/100) \times R \times (B_i - B_0)/B_0~~$$

~~V_b = Increase or decrease in the cost of work during the month under consideration due to changes in rates for bitumen.~~

~~B₀ = The official retail price of bitumen at the IOC depot at the nearest centre on the day 28 days prior to the scheduled date of opening of technical bid.~~

~~B_i = The official retail price of bitumen of IOC depot at the nearest centre for the 15th day of the month under consideration.~~

~~P_b = Percentage of bitumen component of the work~~

Adjustment of POL (fuel and lubricant) component

- (v) — ~~Price adjustment for increase or decrease in cost of POL (fuel and lubricant) shall be paid in accordance with the following formula~~

$$V_f = 0.85 \times (P_f/100) \times R \times (F_i - F_0)/F_0$$

~~V_f = Increase or decrease in the cost of work during the month under consideration due to changes in rates for fuel and lubricants.~~

~~F₀ = The official retail price of High Speed Diesel (HSD) at the existing consumer pumps of IOC at the nearest centre on the day 28 prior to the date of opening of Bids.~~

~~F_i = The official retail price of HSD at the existing consumer pumps of IOC at the nearest centre for the 15th day of the month of the under consideration.~~

~~P_f = Percentage of fuel and lubricants component of the work~~

~~Note: For the application of this clause, the price of High Speed diesel Oil has been chosen to represent the fuel and lubricants group.~~

Adjustment for Construction Machinery

- (vi) — ~~Price adjustment for increase or decrease in the cost of plant and Machinery spare procured by the Contractor shall be paid in accordance with the following formula~~

$$V_p = 0.85 \times (P_p/100) \times R \times (P_i - P_0)/P_0$$

~~V_p = Increase or decrease in the cost of work during the month under consideration due to changes in rates for plant and machinery spares~~

~~P₀ = The all India wholesale price index for **manufacturer of machinery for mining, quarrying and Construction** for the month under consideration as published **Office of the Economic Adviser, Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry.**~~

~~P_i = The all India average wholesale price index for **manufacturer of machinery for mining, quarrying and Construction** for the month under consideration as published **Office of the Economic Adviser, Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry.**~~

~~P_p = Percentage of plant and machinery spares component of the work.~~

~~Note: For the application of this clause, index of Heavy Machinery and parts has been chosen to represent the Plant and Machinery Spares group~~

Adjustment of other materials Component

- (vii) ~~Price adjustment for increase or decrease in cost of local materials other than cement, steel, bitumen and POL procured by the contractor shall be paid in accordance with the following formula~~

$$V_m = 0.85 \times (P_m/100) \times R \times (M_i - M_0)/M_0$$

~~V_m = Increase or decrease in the cost of work during the month under consideration due to change in rates for local materials other than cement, steel, bitumen and POL.~~

~~M_0 = The All India wholesale price index (all commodities) on 28 days preceding the scheduled date of opening of technical Bids, as published by the **Office of the Economic Adviser, Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry.**~~

~~M_i = The All India wholesale price index (all commodities) for the month under consideration as published by the **Office of the Economic Adviser, Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry.**~~

~~P_m = Percentage of local material components (other than cement, steel, bitumen and POL) of the work.~~

The following percentage will govern the price adjustment for the entire contract:

	SC	PHC	CHC	Other s
Labour P_l %		35%		
Cement- P_c %		11%		
Steel- P_s %		18%		
Bitumen- P_b %				
POL- P_f %		1%		
Plant & Machinery Spares P_p %		1%		
Other Materials- P_m %		34%		
Total	100 %	100 %	100 %	100%

~~Note 1) Delete~~

~~2) for new construction of SDH/DH/Medical Colleges and Other building works % shall be applicable as mentioning tender documents.~~

25. The proportion of payments retained (retention money) shall be 6% {CL. 48} from each bill subject to a maximum of 5% of final contract price.

26. ~~Amount of Liquidated damages for~~ ~~For Whole of work {CL.49}~~
~~delay in completion of works~~ ~~(1/2000)th of the Initial contract~~

price, rounded off to the nearest
Thousand, per day. For sectional
Completion (wherever specified In
item 6 of Contract data) $(1/2000)^{\text{th}}$ of
initial contract price for #5 km
Section, rounded off to the nearest
thousand per day.

27. Maximum limit of liquidated damages For delay in completion work 10 percent of the Initial Contract Price rounded off to the nearest thousand {CL.49}

28. ~~Amount of Bonus for early completion~~ ~~Amount of bonus for early completion of work shall be given as per CL.50 of Section 3~~

29. ~~Maximum limit of bonus for early Completion of work~~ ~~Price~~ **5 percent** of the Contract {CL. 50}

30. ~~The amount of the advance payment are: {CL. 51 & 52}~~

#Nature of Advances **Amount (Rs.)** **Conditions to be fulfilled**

i ~~Mobilization 10% of the contract Price~~ ~~On submission of unconditional Bank Guarantee. (to be drawn before the end of 20% of the contract period). The contractor may furnish four bank guarantees of 2.5 % of each valid for the full period.~~

ii ~~Equipment 90% for new and 50% of depreciated value for old equipment. Total amount will be subject to a maximum of 5% of the Contract Price~~ ~~After equipment is brought to site (provided the Engineer is satisfied That the equipment is required for performance of the contract) and on submission of unconditional Bank Guarantee for amount of advance~~

iii ~~Secured Deleted~~
~~Advance for Non-perishable material Brought to site~~

(The advance payment will be paid to the Contractor no later than 28 days after fulfillment of the above conditions).

31. **Repayment of advance payment for mobilization and equipment** {CL.51.3}

The advance loan shall be repaid with percentage deduction from the interim payments certified by the Engineer under the Contract. Deduction shall commence in the next Interim Payment Certificate following that in which the

~~total of all such payments to the Contractor has reached not less than 20 percent of the Contract Price or 6 (six) months from the date of payment of first installment of advance, whichever period concludes earlier, and shall be made at the rate of 20 percent **(collectively for both Mobilization Advance and Equipment Advance)** of the amounts of all Interim Payment Certificate until such time as the loan has been repaid, always provided that the loan shall be completely repaid prior to the expiry of the original time for completion pursuant to Clause 17 and 28.~~

32. Deleted
33. The securities shall be for the following minimum amounts equivalent {CL. 52}
As a percentage of the Contract Price:
Performance Security for 5 percent of contract price plus Rs. (to be decided after evaluation of the bid) as additional security in terms of ITB Clause 29.5

The standard form of Performance security acceptable to the Employer shall be an unconditional Bank Guarantee of the type as presented in Section 8 of the Bidding Documents.

34. The Schedule of Operating and maintenance Manuals.....N/A. {CL.58}
35. The date by which “as- built” drawings (in scale as directed) in 2 sets {CL. 58} are required within 28 days of the issue of certificate of completion of the whole or section of the work, as the case maybe.
36. The amount to be withheld for failing to supply “as built” drawings {CL. 58} by the Date required is Rs Lakhs.
37. The following events shall also be fundamentals breach of contract: {CL.59.2}
“The Contractor has contravened Sub- clause 7.1 and Clause 9 of GCC”
38. The percentage to apply the value of the work not completed representing {Cl 60} the Employer’s additional cost for completing the Works shall be 20 percent

SECTION - 5
TECHNICAL SPECIFICATION

Item No: 10

Providing & laying controlled cement concrete M-250 with curing etc. complete including the cost of form work but excluding the cost of reinforcement for R.C.C. work : Foundation & plinth for Footings, Tie beams, columns up to plinth etc.

Material and workmanship:

The relevant specification of item no. 5.8.3 P- 40 shall be followed for controlled concrete work as specified in item for M-250 and relevant specification of item no. 9.1 and 9.7 shall be followed for the formwork and centering work.

Mode of measurement and payment:

The relevant specification of item no 5.8.3 P-40 shall be followed except that the item includes the cost of formwork and centering work any cross sectional area.

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

Mode of Measurement: on Cu.mt.Basis.

**Deputy Executive Engineer
PIU, Kheda**

**Executive Engineer
PIU, Kheda**

Item No: 11

Providing & laying controlled cement concrete M-200 with curing etc. complete including the cost of form work but excluding the cost of reinforcement for R.C.C. work in foundation and plinth for Copping & Beam etc.

Material and workmanship:

The relevant specification of item no. 5.8.3 P- 40 shall be followed for controlled concrete work as specified in item for M-250 and relevant specification of item no. 9.1 and 9.7 shall be followed for the formwork and centering work.

Mode of measurement and payment:

The relevant specification of item no 5.8.3 P-40 shall be followed except that the item includes the cost of formwork and centering work any cross sectional area.

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

Mode of Measurement: on Cu.mt.Basis.

**Deputy Executive Engineer
PIU, Kheda**

**Executive Engineer
PIU, Kheda**

Item no :- 12,13

Providing & laying controlled cement concrete M-200 with curing etc. complete including the cost of form work but excluding the cost of reinforcement for R.C.C. work at Ground floor & First Floor(A) column

1.0 Material and Workmanship:

The relevant specifications of item no 5.8.2 GTS Booklet pg-39 shall be followed for controlled concrete work as specified in item for M-200 and relevant specifications of item no 9.1 and 9.7 shall be followed for the formwork and centering work.

All Materials should be as per IS Approved Quality by Engineer In charge.

2.0 Mode of measurements and payments

2.1 The relevant specification of item no 5.8.2 shall be followed except that the item includes the cost of formwork and centering work for any cross sectional area.

2.2.1 The rate shall be for a unit of one cubic meter.

Mode of Measurement: on Cubic Metre basis.

Mode of Payment: on Cubic Metre basis.

**Deputy Executive Engineer
PIU, Kheda**

**Executive Engineer
PIU, Kheda**

Item No.:-14 & 15

Providing and laying controlled cement concrete M-200 & curing complete. Including the cost of form work & excluding the cost of reinforcement for RCC work (B) for , Beams, lintels, chajja for Ground floor & First Floor

Material and workmanship:

The relevant specification of item no. 5.8.2 P-39 shall be followed for controlled concrete work as specified in item for M-200 and relevant specification of item no. 9.1 and 9.7 shall be followed for the formwork and centering work.

Mode of measurement and payment:

The relevant specification of item no 5.8.2 P-39 shall be followed except that the item includes the cost of formwork and centering work any cross sectional area.

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

Mode of Measurement: on Cu.mt. Basis.

Mode of payment on Cu.mt.Basis.

Deputy Executive Engineer
PIU, Kheda

Executive Engineer
PIU, Kheda

Item No.:- 16,17

Providing and laying controlled cement concrete M-200 & curing complete. Including the cost of form work & excluding the cost of reinforcement for RCC work Ground Floor & First Floor

(i) For slabs & shelves etc. (A)Ground floor & First Floor

Material and workmanship:

The relevant specification of item no. 5.8.2 P-39 shall be followed for controlled concrete work as specified in item for M-200 and relevant specification of item no. 9.1 and 9.7 shall be followed for the formwork and centering work.

Mode of measurement and payment:

The relevant specification of item no 5.8.2 P-39 shall be followed except that the item includes the cost of formwork and centering work any cross sectional area.

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

Mode of Measurement: on Cu.mt. Basis

Deputy Executive Engineer
PIU, Kheda

Executive Engineer
PIU, Kheda

Item No.:- 18

Providing and laying controlled cement concrete M-200 & curing complete. Including the cost of form work & excluding the cost of reinforcement for RCC work atGround Floor (D) Stair Case

Material and workmanship:

The relevant specification of item no. 5.8.2 P-39 shall be followed for controlled concrete work as specified in item for M-200 and relevant specification of item no. 9.1 and 9.7 shall be followed for the formwork and centering work.

Mode of measurement and payment:

The relevant specification of item no 5.8.2 P-39 shall be followed except that the item includes the cost of formwork and centering work any cross sectional area.

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

Mode of Measurement: on Cu.mt. Basis

**Deputy Executive Engineer
PIU, Kheda**

**Executive Engineer
PIU, Kheda**

Item no : 24

Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 63.50 x 38.10 x 1.95 mm(of Jindal Section no:4605,@ Wt 1.094 Kg / Rmt), horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm (of Jindal Section no: 8687 @ wt.of 0.695 Kg/mt), vertical member of size 61.85 mm x 31.75mm x 1.30 mm (of Jindal Section no:8758 @ wt.of 0.659 Kg/mt) with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt), vertical member of size 40mm x 18mm x 1.29mm (of Jindal Section no:8947 @ wt.of 0.456Kg/mt/ Section 8948, @ Wt. 0.457 Kg/mt) with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.

Materials:

Aluminium alloy used in the manufactured by the extruded section for doors shall confirm to IS designation HFP-WP of IS 733-1973 and also IS designation WVC-WP or is 1285-1973 aluminum section of approved weight shall be procured of site. Fabricated shall be done as per drawing or as directed. Details of the anodized section to be used on as under:

Frame 63.50 mm X 49.50 mm

Shutter top rail & style 47 mm x 44 mm

Bottom rail 114 mm x 44mm

lock rail 83 mm x 44 mm

Providing anodized aluminium handle & stopper, aldrop & mortise lock, SS screw with fixture & fastening including

double action hydraulic Floor spring ISI brand of approved make cutting the flooring, making good etc.

GLAZE:

5 mm thick frosted or obscured on one side glass (Modi Float or Saint Gobain brand) top panel including rubber gasket shall confirm to M-38 page no. 12 of standard specification booklet of building works.

Necessary glazing clips rubber, packing shall be of approved quality.

Approved glazing patty if any required shall be used and fixed.

12 mm thick both side prelaminated ply wood sheet at bottom panel fix by glazing clips
Workmanship:

Door frame with shutter shall be prepared as per drawing or as directed by the Engineer-in-charge, whole frame work shall be done in true line and level. The section shall be fixed with necessary screw wooden peg and nails if required.

Size of glass for glazing at top panel be as per size of top panel and to be fixed in such a way to allow clearance of 2.5 mm between the edge of glass and aluminium glazing chips surrounded of glass shall be removed and cleaned with thinner or spirit without any extra payment.

The whole work shall be executed as directed and to the full satisfaction of the Engineer-in-charge size of doors and spacing between two sections shall be as directed.

Mode of Measurement and Payment:

Measurement shall be taken in outside of frame up to 5 mm in length & breadth/Height & area in Sq.M basis. The contract rate includes cost of all materials labour fixtures and fastenings, required to be complete the work as per item.

The rate shall be a unit of one Smt.. basis

**Deputy Executive Engineer
PIU, Kheda**

**Executive Engineer
PIU, Kheda-**

Item No: 25

Providing & fixing in position coloured anodized aluminium single leaf door standard section (Jindal or Equivalent) for frame 63.50 mm X 49.50 mm @1.15 kg/m & shutter top rail & styles size 47 mm x 44 mm Wt @ 0.88 kg/ m, Bottom rail size 114 mm x 44 mm Wt @ 1.36 kg/m & lock rail size 83 mm x 44 mm @ Wt 1.13 Kg/m and glazing clips size 19 mm x 17 mm Wt @ 0.12 kg/m with including ruber gasket & 5 mm thick both side laminated compact sheet fix by glazing clips including providing anodized aluminium handle & stopper, aldop&mortice lock, SS screw with fixture & fastening including cutting the flooring, making good etc. all required materials labours and equipments with fixing as per detailed drawing or as directed Engineer in charge.

Aluminium Sections

Aluminium sections used for fixed/open able windows, ventilators, partitions, frame work & doors etc. shall be suitable for use to meet architectural designs to relevant works and shall be subject to approval of the Engineer-in-Charge for technical, structural, functional and visual considerations. The aluminium extruded sections shall conform to IS 733 and IS 1285 for chemical composition and mechanical properties. The stainless steel screws shall be of grade AISI 304. The permissible dimensional tolerances of the extruded sections shall be as per IS 6477 and shall be such as not to impair the proper and smooth functioning/operation and appearance of door and windows.

Aluminium glazed doors, windows etc. shall be of sizes, sections and details as shown in the

drawings. The details shown in the drawings may be varied slightly to suit the standards adopted by the manufacturers of the aluminium work, with the approval of Engineer-in-Charge. Before proceeding with any fabrication work, the contractor shall prepare and submit, complete fabrication and installation drawings for each type of glazing doors, windows, ventilators and partition etc. for the approval of the Engineer-in-Charge. If the sections are varied, the contractor shall obtain prior approval of Engineer-in-Charge and nothing extra shall be paid on this account.

Anodizing

Standard aluminium extrusion sections are manufactured in various sizes and shapes in wide range of solid and hollow profiles with different functional shapes for architectural, structural glazing, curtain walls, doors, window & ventilators and various other purposes. The anodizing of these products is required to be done before the fabrication work by anodizing/electro coating plants which ensures uniform coating in uniform colour and shades.

The anodized extrusions are tested regularly under strict quality control adhering to Indian Standard. Protection of Anodizing Finish : It is mandatory that all aluminium members shall be wrapped with self adhesive non-staining PVC tape, approved by Engineer-in-Charge.

SEALANT

The sealants of approved grade and colour shall only be used. The silicone for perimeter joints (between Aluminium section and RCC/Stone masonry) shall be of make approved by the Engineer in Charge.

Method of Application

Surface Preparation: Clean all joints and glazing pockets by removing all foreign matter and

contaminants such as grease, oil, dust, water, frost, surface dirt, old sealants or glazing compounds and protective coatings.

Measurement:

Aluminium sections the length of each member of the frame/shutter shall be measured correct to 5 mm in running meter. The weight calculated on the basis of actual average (average of five samples) weight of composite section in kilogram correct to the second

place of decimal shall be taken for payment. (Weight shall be taken after anodizing). It is made clear that items such as cleats/angles, other fixtures, nuts, bolts, screw etc, which shall be required for fabrication and erection of aluminium work as per tender document shall not be considered for the purposes of measurement and payment of various items. Neither any deduction nor anything extra shall be paid for skew cuts. All Materials should be as per IS Approved Quality And by Engineer In charge.

Rate:

The rate shall include the cost of all the materials, labours involved in all the operations as described in nomenclature of item and particular specification.

All Materials should be as per IS Approved Quality And by Engineer In charge Mode Of Measurement Is Sqm.

Deputy Executive Engineer
PIU, Kheda

Executive Engineer
PIU, Kheda

Item No: - 27

Providing and fixing Stainless steel mosquito net jali ,wire of I.S gauge designation 85-G with wire of 0.56 mm fix in aluminium door, window, ventilator shutters of any size, any shape with etc all complete at all floors/all levels/all heights as per the architectural drawings and the directions of Engineer-in-Charge. Actual laying installed Jali shall be measured. (Cost of aluminium snap beading shall be paid in basic item)

Mosquito net jali

The mosquito net jali shall be Stainless steel jali and should be and by the Engineer in Charge.

Fixing: Jali shall be retain within aluminium framing by use The required size of panel, keeping sufficient margin to be inserted inside the section.

All Materials should be as per IS Approved Quality by Engineer In charge.

Measurement:

All the fixed Jali inserts length and breadth of the area where jali etc. are to be seated/laying shall be measured correct to 5 mm and area to be calculated in square Meter correct two place of decimal shall be taken for payment.

All Materials should be as per IS Approved Quality by Engineer In charge.

Rate:

The rate shall include the cost of all the materials, labours involved in all the operations as

described in nomenclature of item and particular specification. Mode Of Measurement Is ONE Sq. Meter.

Deputy Executive Engineer
P.I.U.-Kheda

Executive Engineer
P.I.U.Kheda

Item no. 31

Providing and fixing bright finish ISI hydraulic Door closers with necessary screws and finishing etc. complete as directed by Engineer in charge.

Materials:

Hydraulic door closer shall be Heavy type of 765 number)

Workmanship:

As per item no 12.4 page no 72

Mode of measurement and payment:

As per item no 12.4 page no 72

Measurement will be: on No. basis

Payment will be made: on No. basis

Deputy Executive Engineer
PIU, Kheda

Executive Engineer
PIU, Kheda

Item no – 33

Providing and fixing 90 C.M. high MS railing with 40 mm medium grade G.I. pipe on top & vertical for balconies, terrace, parapets, ramp, stairs etc. with 20 x 20mm square bars Balusters @ spacing 15cm c/c as per approved pattern including cutting, bending, welding, fixing and applying one coat of approved brand of primer and two coat of paint etc. complete including M.S Railing in Handicap toilet for Handicap.

Material and Workmanship:

The work shall be carried out as per item no 11.4(A) page no 70 except that structural steel

should be used for the fabrication of railing at different locations as per instruction of Engineer-in-charge.

Mode of measurement and payment:

- a . As per item no 11.4(A) page no 70
- b. Measurement will be: on Rmt Basis
- c.Payment will be made: on Rmtbasis

Deputy Executive Engineer
PIU, Kheda

Executive Engineer
PIU, Kheda

ITEM NO :- 41

Providing & laying 15 mm thick Kesariyaaji green Marble stone in single piece surrounding door & window soffit & Jamb cladding & window sill two up/down in single piece and pillars edge laid on 10 mm thick Cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with white cement with fix in soffit screw, rubbing & polishing etc complete as per instruction of Engineer-in-charge.

15 mm thick Kesariyaaji green Marble shall be approved quality size by required by site marble stones are approved size shall be machine cut at front side with necessary groove shall be made in wall and polish marble shall be laid in line and level. Polish Kota stone shelves shall be fixed in cement mortar 1:3 (1 cement: 3 coarse sand) size of the marble stone shall be obtained as per the site measurement. Marble should be without any impurity & Cracks.colour and shade should be approved by engineer incharge.

Necessary polishing shall be done to marble stone as directed by Engineer-in-charge. Outer edges of stone shall be made round by polishing as directed groove made in wall shall made good Y fixed with white cement mixed with pigments to match with colour and stone.

All Materials should be as per IS Approved Quality by Engineer In charge.

Work includes cost of materials and labour with polishing complete.

Measurement shall be taken for visible dimensions in length and width and shall be paid for a unit of 1 Sq.Mt.

Mode of Measurement: on Smt basis.

Mode of Payment: on Smt basis.

**Deputy Executive Engineer
PIU, Kheda**

**Executive Engineer
PIU, Kheda**

Item No: - 42

Providing and laying Exterior grade pavit/paver tile pavement colour and pattern as per architectural drawing in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement etc

Materials

Exterior grade paver tile pavement in approved pattern approved colour and pattern as directed by Engineer in charge.

All Materials should be as per IS Approved Quality by Engineer In charge.

Workmanship

The workmanship & Mode of measurement & payment the relevant specifications of item no 14.43 A & Item no. 20.23 shall be followed.

**Deputy Executive Engineer
PIU, Kheda**

**Executive Engineer
PIU, Kheda**

Item no:- 43

Providing, fixing and construction of sand witch type platform of 18 mm thick Granite polished stone top, 100 mm wide edge full molded Facia Patti with 25mm thick prepolished Kota stone of uniform size and colour for bottom & supports at 75 cm interval including necessary cement mortar 1:2 Kota shall be fixed in cement joints and pointing as specified in Kitchen / Pantry / Counter / Laboratory etc. with necessary

making of edges, polishing curing daily mopping with water and kerosene etc. comp as directed of Engineer-in-charge. (Measured only vision finished top plan area)

18 mm thick Granite polished stone shall be of approved size in length and width. Pieces shall not be allowed in width. Pieces in length shall be not less than 1.80 MT length or as directed by Engineer-in-charge.

Specification in general for Granite stone shall be as per item no. M-52 GTS Booklet pg-17 and Kota stone shall be as per item no. M-49 page no 16 & 17 of Standard Specification booklet for building works.

Necessary groove shall be made in wall polish Kota stone fixing bottom will be first laid in line & level on vertical partition. Cement mortar 1:2 (1 cement : 2 sand) shall be laid on Polished Kota Stone and Polished 18 mm th Granite Stone facing top shall be laid on top in line and level.

100 mm high Facia of Granite stone shall be fixed with cement and solution Araldite and coins with require groove for every running meter.

All Materials should be as per IS Approved Quality by Engineer In charge.

Necessary cut for sink shall be left while laying polished Granite & Kota stone.

Edges & corners of stone shall be made round by cutting as directed. Groove made in wall shall be made good and finished with white cement mixed with pigment to match with colour of stone.

Work includes cost of materials and labour with mirror polishing complete.

Measurement shall be taken for visible top plan area finished dimensions in length and width and shall be paid for a unit of 1 Sq.M.

Rate shall be paid for a unit of 1 Sq.M. for only visible top plan area.

Mode of Payment: on Sq.M. basis.

**Deputy Executive Engineer
PIU, Kheda.**

**Executive Engineer
PIU, Kheda.**

Item no: 44

Providing and fixing both sides polished machine cut kotah stone shelves/partition 25 mm thick embedded into wall at support including racking and finishing smooth the surface including cutting the stone as and where required etc. completed.

Double side Polished Kota Stone 25mm thick shall be approved quality size and specification in general for Kota stone shall be as per Item no. M –49/ Page 16 of standards specification booklet for building works.

Polished Kota stones are approved size shall be machine cut at front side with necessary groove shall be made in wall and polish Kota stone shall be laid in line and level. Polish Kota stone shelves shall be fixed in cement mortar 1:3 (1 cement: 3 coarse sand) size of the polished Kota stone shall be obtained as per the site measurement.

Necessary polishing shall be done to polish kota stone top and sides and as directed by Engineer-in-charge. Outer edges of stone shall be made round by polishing as directed groove made in wall shall made good Y fixed with white cement mixed with pigments to match with colour and stone.

Work includes cost of materials and labour with polishing complete.

Measurement shall be taken for visible dimensions in length and width and shall be paid for a unit of 1 Sq.Mt.

Mode of Measurement: on Smt basis.

Mode of Payment: on Smt basis.

**Deputy Executive Engineer
PIU, Kheda**

**Executive Engineer
PIU, Kheda.**

Item no:- 57

Providing and fixing white or coloured glazed china vitreous china Orissa type Water closet of size 580 x 440 mm including providing and fixing vitreous china 100 mm size 'P' or 'S' trap including jointing the trap with pan and soil pipe in CM (1:1) (1 cement: 1 fine sand) etc. complete as directed by engineer in charge.

Workmanship:

The vitreous china Orissa type WC pan shall be fixed in a proper position as per drawing. The relevant specifications of item no 23.111 shall be followed for WC pan work as specified in item for Orissa pan. It should be fitted in such a way that no leakage should be

found either on lower level floor or outside wall. Each pan shall have sufficient holes and integral flushing ring for ease in cleaning. Soil pipe should be fitted in such way with proper gradient towards outlet with uniformity.

All Materials should be as per IS Approved Quality by Engineer In charge.

Mode of Measurement and Payment:

The rate includes cost of all labour, materials, tools and plant and other equipment required for satisfactory completion of this item, as described in item.

The rate shall be for a unit of one number.

Mode of measurement: on Nos basis

Mode of Payment: on Nos basis.

Deputy Executive Engineer
PIU, Kheda

Executive Engineer
PIU, Kheda.

Item no: - 59

Providing and fixing (600 mm X 450 mm X 150 mm) size vitreous china laboratory sink brand of approved quality with CI or MS brackets painted white including cutting holes and making good the same including providing and fixing 32 mm dia CP waste coupling rails providing fixing PVC waste pipe etc. comp as approved by the Engineer in charge. The white glazed earthenware laboratory sink shall be 600 x 450 x 150 mm of best quality and make as approved by the Engineer-in-charge.

Workmanship:

The specification for this item shall be followed as per Item no 23.127, 23.135(A), 23.136 (A)/ Page no 148 & 149 of GTS booklet for building works.

All Materials should be as per IS Approved Quality by Engineer In charge.

All Materials should be as per IS Approved Quality by Engineer In charge.

The rate shall be for a unit of one number basis.

Mode of measurement: on Nos basis

Mode of Payment: on Nos basis

Deputy Executive Engineer
PIU, Kheda

Executive Engineer
PIU, Kheda

ITEM NO :- 2451

**Providing and fixing Special Needs Range cera CRUSE SET (S1013200 or equ.),
One piece EWC with S trap 300 mm with B1520118 Soft close seat cover with jet Spreay
S2040159 CRANE with two angular cock F2002201 (wc+wb)
Wall hung wash basin 665 x 545 x 190 mm F9030453 Single lever clinical faucet with CI or
MS brackets,32 mm dia CP brass waste coupling with washer and 15 mm dia brass screw
down Stop tap including inlet PVC connection pipe 600 mm length etc complete with all
CM and fixing faster and fixture etc.**

- 1) B2210106 Wall mounted grab bar 600 mm long -2 No.**
- 2) B2210103 Wall mounted L Shaped grab bar 500 mm x 700 mm long -1 No.**
- 3) B2210101 Wall mounted U-Shaped hinged hand rail 750 x 100 mm**
{Cera or equivalent}

All materials, workmanship, testing, and execution shall strictly comply with the respective tender items, approved drawings, and the relevant Indian Standard (IS) codes, specifications, and guidelines in force, including all latest revisions, and shall be completed under the supervision and to the full satisfaction of the Engineer-in-Charge

Deputy Executive Engineer
PIU, Kheda

Executive Engineer
PIU, Kheda

ITEM No :- 62

**Providing and fixing 3 mm thick 45x15 cm in size approved coloured Acrylic sheets as
signage and display of health signs/information of required size having retro reflective
letters/design as per requirement, fixing the same through approved adhesive,G.I. Seam
bolts and nuts 25mmx7mm etc . complete work shall e carried out as per instruction of
Engineer-in-charge.**

Approved 3 mm thick Acrylic sheets and Making specified manufacturer for Name Plates /
Informative Signage and Display Board of health signs/information of required size as per
M.C.I. Norms having reflective Letters/design as per Requirement

Workmanship:

The **Acrylic** signage of 3 mm thick of required size shall be prepared. Various signage and
letters shall be prepared on this sheet by using retro reflective Color as per instruction of
Engineer-in-charge. The work shall be carried out in best workman (Specialized agency)
like manner as directed by Engineer-in-charge.

All Materials should be as per IS Approved Quality by Engineer In charge.

Mode of Measurement and Payment:

The rate includes for all labour, materials, tools and equipment required to complete the

work in satisfactory manner.

Mode of measurement: on No.

Mode of Payment: on No.

The rate shall be for a unit of Nos.

Deputy Executive Engineer
PIU, Kheda

Executive Engineer
PIU, Kheda

Item No: 63

Providing and fixing bright finish One mm thick Stainless steel (Grade 304) letters size 30 cm height in Gujarati language fixed in wall with screws and nails and any height including scaffolding etc complete as per instruction of Engineer-in-charge.

Materials

SS railing for staircase and balcony with brush finish and 304 grades as per Indian Standard and detailed drawing including grinding, cleaning and filling the welded spots with SS finish etc.

Workmanship

The work shall be carried out as per pattern and design shown in a drawing. & the manufacturing specifications etc comp as directed by Engineer in charge.

Mode of Measurement and Payment:

Measurement shall be done on a unit Number of Each Letter.

Payment shall be done for unit Number of Each Letter

Deputy Executive Engineer
PIU, Kheda-

Executive Engineer
PIU, Kheda-.

ITEM NO:- 70

Providing and fixing 25mm size UPVC ball Valve as per with necessary Adhesive and fittings as directed by engineer in charge.

Materials:-UPVC ball valve Of specified dia shall conform to ISI Mark, UPVC ball valve shall be of tested quality

All Materials should be as per IS Approved Quality by Engineer In charge.

Workmanship:-

The UPVC ball valve shall be fully cleared of all foreign matter before fixing, the fixing of valve shall be done by means of bolts and nuts and 3mm rubber insertions with flanges of spigot and socketed tail pieces, drilled to the same specification as in case of socket and spigot and with flanges in case of flanged pipes. The jointing shall be done leak proof.

Mode of Measurements and Payment

The rate includes all laboures, materials, tools and plant etc. Required for satisfactory completion of this item.

The rate shall be for unit of one number

**Deputy Executive Engineer
PIU, Kheda**

**Executive Engineer
PIU, Kheda-.**

ITEM NO:-71

Providing and fixing 40 mm size UPVC Ball Valve as per with necessary Adhesive and fittings as directed by Engineer incharge.

Materials:-UPVC ball valve Of specified dia shall conform to ISI Mark, UPVC ball valve shall be of tested quality and approved brand

All Materials should be as per IS Approved Quality by Engineer In charge.

Workmanship:-

The UPVC ball valve shall be fully cleared of all foreign matter before fixing, the fixing of valve shall be done by means of bolts and nuts and 3mm rubber insertions with flanges of spigot and socketed tail pieces, drilled to the same specification as in case of socket and spigot and with flanges in case of flanged pipes. The jointing shall be done leak proof.

Mode of Measurements and Payment

The rate includes all laboures, materials, tools and plant etc. Required for satisfactory completion of this item.

The rate shall be for unit of one number

Deputy Executive Engineer
PIU, Kheda-

Executive Engineer
PIU, Kheda

Item No: - 73

Providing and fixing brass cromium plated surgical handle cock of size of 15mm dia as per etc. complete as directed by engineer incharge.

Material and Workmanship

15 mm dia. brass chromium plated surgical handle cock conform to IS 781 1977. brass chromium plated surgical handle cock shall be best Indian make and quality.

brass chromium plated surgical handle cock of size of 15mm dia as specified above shall be fixed as directed. The threaded portion shall be smeared with white or red lead and around with a few turns of fine spun yarn round the screwed end of the pipe. The bib cock shall be than screwed and fixed to water tight position.

Mode of Measurements and Payment

The rate shall include cost of all labour, materials, tools and plant, etc. required for satisfactory completion of this item.

The rate shall be for a unit of one number.

Deputy Executive Engineer
PIU, Kheda

Executive Engineer
PIU, Kheda

ITEM NO :- 74

Providing erecting and fixing double coated Syntex PVC. (ISI) water tank of required capacity each with all necessary fittings and connection etc. complete on terrace

For 1000 liters

Water Storage Tank of capacity 1000 Lit made of LLDPE (Low Linear Density Polyethylene). The system consists of 1 no. of LLDPE Tank made by Roto Moulding process. The tank has

diameter of 1.20 meter with usual process variation and Height of 1.38 meter with usual process variation.

For 3000 liters

Water Storage Tank of capacity 3000 Lit made of LLDPE (Low Linear Density Polyethylene). The system consists of 1 no. of LLDPE Tank made by Roto Moulding process. The tank has diameter of 1.65 meter with usual process variation and Height of 1.80 meter with usual process variation.

Mode Of Measurement

The rate shall be for unit is Liter

Deputy Executive Engineer
PIU, Kheda

Executive Engineer
PIU, Kheda

TEM NO :- 75

Providing and fixing S.W. gully trap with brick masonry chamber and water tight SFRC Pre-cast cement concrete cover with frame of 300 mm x 300 mm Size (inside) with standard weight (i) Square mouth traps as directed by engineer incharge.(i)Square Mouth Treaps (c)150 x 100 mm Size –P or R Type

Material & Workmanship:-

The relevant specification of item 24.19 (i) on General technical specification for building works page no 156 shall be followed. The gully trap shall be fixed with SFRC Pre-cast cement concrete cover with frame of 300 mm x 300 mm Size (inside) as per engineer incharge. All Materials should be as per IS Approved Quality by Engineer In charge.

Mode of Measurements and Payment

As perThe relevant specification of item 24.19 (i) on General technical specification for building works page no 156 shall be followed

The rate shall be for a unit of one number basis

Deputy Executive Engineer
PIU, Kheda

Executive Engineer
PIU, Kheda

ITEM NO :- 77

Constructing brick masonry chamber for underground C.I Inspection chamber and bends with bricks having crushing strength no less than 35 kg/cm² in c:m 1 :5 . SFRC . cover with frame (light duty) 445 mm x 610 mm internal dimensions .R.C.C.top slab with 1: 2 : 4 mix (1 Cement :2 coarse sand : 4 grade stone aggregate 20 mm size) foundation concrete 1 : 5 : 10 inside plaster 15 mm thick with cement mortar 1 : 3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete. (i) Inside dimensions 455 mm x 610 mm x 450 mm deep for single pipeline

Material &Workmanship:-

The relevant specification of item 24.44 (i) GTS Booklet pg-163 shall be followed except the SFRC Cover with frame as per dimension as per engineer incharge

All Materials should be as per IS Approved Quality by Engineer In charge.

All Materials should be as per IS Approved Quality by Engineer In charge

Mode of Measurements and Payment

The relevant specification of item 24.44 (i) shall be followed 2.2.

The rate shall be for a unit of one number

Deputy Executive Engineer
PIU, Kheda

Executive Engineer
PIU, Kheda

ITEM NO :- 79

Providing and constructing SOAK WELL of 2.50m internal dia and 5.00 depth depth internal clear dimension including the cost of all type of excavation, PCC 1:4:8 foundation for honey combed masonry of 5.00m height in C.M. 1:6 (1cement : 6 sand) , casting R.C.C. 1:2:4 (1cement : 2 sand : 4 graded stone aggregate 20mm nominal size) top slab 12 thick with SFRC Cover 600 mmx 450 mm size and curing including cost of reinforcement etc. complete as per detailed drawing and as directed by engineer in charge.

The mortar shall confirm to M-11 GTS Booklet pg-05, the brick shall confirm to M-15 GTS Booklet pg-06, Stone aggregate shall confirm to M-12 GTS Booklet pg-05, the brickbats shall confirm to M-14 GTS Booklet pg-06, HYSD bar shall confirm to M-19. Rubbles shall be best quality and of size 65mm to 90mm and obtained from approved quarry. The CI pipes and fitting shall confirm to M-p14. The SFRC cover shall confirm to IS: 1725. The

cover shall be of best foundry grey meal, tough and close grained. The sample of the cover shall be got approved from Engineer-in-charge
All Materials should be as per IS Approved Quality And Make list by Engineer In charge.

Workmanship:

The relevant specification of item no.4.0.0 (a) P-21 shall be followed for excavation. The relevant specification for lean concrete, RCC work, reinforcement, masonry work and plaster work shall be followed respectively as specified in the item. The rubble of specified size shall be filled as per detail in the drawings. Brickwork detail specification section 6, plaster in section 17 constructing SOAK WELL of 2.50m internal dia and 5.00 depth internal clear dimension including the cost of excavation, PCC 1:4:8, honey combed masonry of 3.00m height, C.M. 1:4 (1 cement : 4 sand), R.C.C. 1:2:4 (1 cement: 2 sand : 4 graded stone aggregate 20mm nominal size) Top slab 12 thick with SFRC. manhole cover 600mm x 450mm size of 35 kg. weight and 75mm dia C.I. pipe 1800mm long with 75mm dia cowl vent and filling the wall 1000mm in depth with dry brick bats including providing vata in C.M. 1:3 (1 cement : 3 sand), curing including cost of reinforcement etc. complete as per detailed drawing and directed by E.I.C.

Mode of Measurement and Payment:

The rate includes cost of all labour and materials required for satisfactory completion of this item as described above.

The rate shall be for a unit of one **number**.

Mode of measurement: on **Nos** basis

Deputy Executive Engineer
PIU, Kheda

Executive Engineer
PIU, Kheda

ITEM NO :- 83

Construction Septic tank inside dimension of 3.00 m in length & 1.50 m in width & 2.25 m depth including excavating any type of soil as shown and mentioned in the drawing, providing and laying 0.10 m thick plain cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone agg.) 40 mm thick IPS flooring at bottom with brick masonry 0.23 m thick walls CM 1:5 (1 cement : 5 coarse sand) and intermediate partition CM 1:4 & RCC Top slabs 12 cms thick in 1:2:4 (1 cement : 2 coarse sand : 4 graded stone agg) including reinforcement as per design and 15 mm thick cement plaster in CM 1:4 with

floating coat of neat cement slurry inside, top and around tank below 15 cm on ground level, Also provide Two nos SFRC frame and cover of size 60 cm x 45 cm & 75 mm dia. PVC 6 kgf / Sq. cm pressure air vent pipe in 3.00 length with cowl etc. complete as per direction of Engineer in charge.

Materials:

The mortar shall confirm to M-11 GTS Booklet pg-05, the brick shall confirm to M-20 GTS Booklet pg-07, Stone aggregate shall confirm to M-12GTS Booklet pg-05, the brickbats shall confirm to M-14 GTS Booklet pg-06, TMT bar shall confirm to M-19 GTS Booklet pg-07. The CI pipes and fitting shall confirm to M-p14. The SFRC cover shall confirm to IS: 1725. The cover shall be of best foundry grey meal, tough and close grained. The sample of the cover shall be got approved from Engineer-in-charge

Workmanship:

The relevant specification of Chapter no-4, Sr no:-1 & 2 shall be followed for excavation. The relevant specification for lean concrete, RCC work, Form work, reinforcement, masonry work and plaster work shall be followed respectively items as specified in the GTS book. All Materials should be as per IS Approved Quality And Make list by Engineer In charge.

Mode of Measurement and Payment:

The rate includes cost of all labour and materials required for satisfactory completion of this item as described above.
The rate shall be for a unit of one number.
Mode of measurement: on Nos basis
Mode of Payment: on Nos basis

Deputy Executive Engineer
PIU, Kheda

Executive Engineer
PIU, Kheda

Item No :- 87

Providing and laying ordinary cement concrete 1:2:4(1:cement,2:coarse sand: 4 graded stone aggregates 20 mm nominal size and curing complete including the cost of formwork but excluding reinforce for reinforced concrete work in (A) Copping, lintel, beam etc.

1.0 Material and Workmanship:

The relevant specifications of item no 5.4.1 shall be followed for controlled concrete work as specified in item for CC 1:2:4 and relevant specifications of item no 9.1 (H) (1) Sr No-1 & 9.7 shall be followed for the formwork and centering work.

2.0 Mode of measurements and payments

2.1 The relevant specification of item no 5.4.1 shall be followed except that the item includes the cost of formwork and centering work for any cross sectional area.

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

Mode of Measurement: on Cubic Metre basis.

Deputy Executive Engineer
PIU, Kheda

Executive Engineer
PIU, Kheda

Item No- 90

Providing and laying Controlled CC road Tri mix M-200 having thickness 100 mm including preparing sub base with providing and fixing channels of 75 mm as per required level slope and thickness of concrete road leveling of placed concrete with surface vibrators finishing surface with power floater and trowel light booming on the surface including providing expansion joint by concrete cutter machine and filling joint by using color 200 as per manufacturers specifications and making construction joint of 5 mm x 50 mm by using concrete cutter machine etc complete as directed by Engineer in charge.

General

This work shall consist of furnishing and placing Controlled cementconcrete M-20 for road surface of the shape and dimensions shown on the drawings and conforming to these Specifications or as approved by the Engineer in charge.

MATERIALS & WORKMANSHIP

The relevant specifications of item no 5.8.1 shall be followed for controlled concrete work as specified in item for M-200

Construction

General: The pace and programmed of the lean concrete sub-base construction shall be matching suitably with the programmed of construction of the cement concrete pavement only after 7 days after sub-base construction.

MIXING:

Dry coarse and fine aggregate and cement shall then be mixed thoroughly by turning over to get a mixture of uniform colour.

Enough water shall then be added gradually and the mass turned over till a mix of

required consistency is obtained. In case of hand mixing quantity of cement shall be increased by 10 per cent above that specified. The quantity of water shall be just sufficient to produce a dense concrete of required workability for the purpose

The concrete shall be mixed in a mechanical mixer. Mixers which have been out of use for more than 30 minutes shall be thoroughly cleaned before putting in a new batch. Unless otherwise agreed to be the Engineer –in-charge, the first batch of concrete from the mixer shall contain only two thirds of normal quantity of coarse aggregate. Mixing plant shall be thoroughly cleaned before changing from one type of cement to another. .

The method of transporting and placing concrete shall be approved by the Engineer-in-charge. Concrete shall be so transported and placed so that no contamination, segregations or loss of its constituent material takes place. All form work and reinforcement contained in it shall be cleaned and made free from standing water, dust, snow or ice immediately before placing of concrete. No concrete shall be placed in any part of the structure until the approval of the Engineer-in-charge has been obtained. Mixing shall be done on a smooth watertight platform large enough to allow efficient turning over the ingredients of concrete before and after adding water, Mixing platform shall be so arranged so that no foreign material shall get mixed with concrete nor does the mixing water flow out.

Cement in required number of bags shall be placed in a uniform layer on top of the measured quantity of fine and coarse aggregate, which shall also be spread in a layer of uniform thickness on the mixing platform,

Unless otherwise agreed to by the Engineer-in-charge, concrete shall not be dropped into place from a height exceeding 2 meters. When chutes are used they shall be kept clean and used in such a way as to avoid segregation. When concreting has to be resumed on a surface which has hardened, it shall be roughened, kept clean, thoroughly wetted, and covered with a 13 mm. thick layer of mortar composed of cement and sand in the same ratio as in the concrete mix itself. This 13 mm. layer of mortar shall be freshly mixed and placed immediately before placing of new concrete. Where concrete has not fully hardened, all laitance shall be removed by scrubbing the wet surface with wire or bristle brushes, care being taken to avoid dislodgement of any particles of coarse aggregate. The Surface shall then be thoroughly wetted, all free water removed, and the coated with neat cement grout. The first layer of concrete to be placed on this surface shall not exceed 150 mm. in thickness, and shall be well rammed against old work particular attention being given to corners and Close spots.

If concreting is not started within 24 hours of the approval being given, it shall have to be obtained again from the Engineer-in-charge. Concreting being given, it shall proceed continuously over the Area between construction joints. Fresh concrete shall not be placed against concrete which has been in position for more than 30 minutes unless a proper construction joint is formed. Concrete shall be compacted in its final position within 30 minutes of its discharge from the mixer unless carried in properly design

agitators, operating continuously, when this time shall be within 2 hours of the addition of cement to the mix and within 30 minutes of its discharge from the agitator. Except where otherwise agreed to be the Engineer-in-charge, concrete shall be deposited in horizontal layers to a compacted depth of not more than 0.4-metre when internal vibrators are used and not exceeding 0.30 meter in all other cases

Segregation.

When concreting has to be resumed on a surface which has hardened, it shall be roughened, swept, clean, thoroughly wetted and covered with a 13 mm. thick layer of mortar shall be freshly mixed and placed immediately before placing of new concrete. Where concrete has not fully hardened, allegiance shall be removed by scrubbing the well surface with wire or bristle brushes, care : being taken to avoid dislodgement of any particles of coarse aggregate. The surface shall then be thoroughly wetted, with neat cement grout. The first layer of concrete to be placed on the Is surface shall not exceed 150mm.in thickness, and shall be well rammed against old work particular attention being given to corners and close spots.

Curing:

Immediately after compaction, concrete shall. be protected against harmful effects of weather, including rain, running water, shocks, vibration, traffic, rapid temperature charges, frost and driving out process shall be covered with wet jute bags or the similar absorbent material approved by the Engineer-in-charge soon after the initial set, and shall be kept continuously wet for a period of not less than 14 days from the date of placement. Masonry work over- the foundation concrete may be started after 48 hours of its laying but the curing of concrete shall be continued for a minimum period of 14 days.

After the final set, the concrete shall be kept continuously wet if required by pounding for a period of not less than 7 days from the date of placement. Hard and bitter water shall not be used for curing

Contraction joints:

Contraction joints shall consist of a mechanical sawn joint groove, 3 to 5 mm wide and $\frac{1}{4}$ to $\frac{1}{3}$ depths of the slab \pm 5 mm or as stipulated in the drawings and dowel bars complying with clause 602.6.5 and as detailed in the drawings.

The contraction joints shall be cut as soon as the concrete has undergone initial hardening and is hard enough to take the load of joint sawing machine without causing damage to the slab.

The line of the joint within the tolerances given in Clause 600.2.6.2.1 and at such depth below the surface as will not impede the passage of the finishing straight edges or oscillating beams of the paving machines. The adjacent slabs shall be completely separated from each other by providing joint filler board. Space around the dowel bars, between the sub-base and the filler board shall be packed with a suitable compressible

material to block the flow of cement slurry.

Longitudinal joint

The longitudinal joints shall be saw cut as per details of the joints shown in the drawing. The groove may be cut after the final set of the concrete. Joints should be sawn to at least 1/3 the depth of the slab \pm 5 mm as indicated in the drawing.

Mode of Measurement & Payment:

The payment will be made on square Meter basis of the finished work.

The unit rate concrete shall include the cost of all materials, tools and plant required for mixing, placing in position, compacting and making c channel 75 mm x 75 mm required to level and slope and thickness of the concrete road leveling off placed concrete with surface vibrator and finishing with power floater and trowel light booming the surface and cutting Expansions joints by machine as directed by The Engineer in charge and finishing as per direction of the Engineer-in-charge, curing and all other incidental expenses for producing concrete of specified strength to complete the structure or its components as shown on the drawings and according to these specifications. They shall also include the cost of making, fixing and removing of all centering and forms required for the work.

The concrete shall be measured for its length breadth limiting dimensions to those specified on plan or as directed.

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

**Deputy Executive Engineer
PIU, Kheda**

**Executive Engineer
PIU, Kheda**

Item No- 2440

Tree plantation at Campus which includes excavation of .9x.9x.9 mtr and refilling it with good earth and sludge or manure in proportion specified or directed. planting of various flowering & other plants as directed by having minimum 2 mtr of height & 1. mtr of grith faluage Malsar as per specified by architect including watering and maintenance of the landscaping for 90 days including supplying good earth if needed including Pest Control to all the area. The selection of various Trees/plants should be as per instructions of architect or engineer in charge etc.

Complete

Material

Approved quality Good earth , sludge or manure , pest control treatment & various Plant height no less than 2 to 3 meter height and 1200 mm round girth/ foliage of the leaves and branches from good nursery , Asopalav , Gulmahor , Garmaloo , Borslai , Tikomasmidhi , parizat , saputparni , karen , neem , siris, tamrind ,mango, jamun ,banyan, pipaland others Alstonia , Cassia Fistula, DelonixRegio, DelonixRegioz Bottle Palm Mexican Lawn Steno to phorum Green Steno to phorum Varigated Burmuda Lawn , English Canna Red/Yellow Ixora Red Assystacia Red Bhaji Ponchuleka Wadeliya ClerodendrumInerme / Varigated the detail plant list as per architect's instruction.

Workmanship

The contractor has to necessary excavation and digging up to sixty centimeter depth and then he has to refill the excavated area by new good earth , sludge , manure to achieve the contour height as per detail design The contractor has to provide various tree plantation ,Landscaping ,flower bed which include Trenching in ordinary soil up to depth of 60 cms. Including removal and stacking of serviceable materials and then disposing of by spreading and neatly leveling up to any lead and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or/ and manure before and after flooding trench with water (including cost of imported earth , sludge or manure.).Supplying and stacking of good earth at site including royalty and carriage up to 200 km. Supplying and Stacking sludge at site dump manure from any approved source , including carriage up to 200 km, includes Supplying and stacking sludge at site at including royalty and carriage up to 200 km. Rough dressing the trenched ground including breaking clods. Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation. Fine dressing the ground. Spreading of sludge , dump manure or/ and good earth in required thickness. Mixing earth and sludge or manure in proportion specified or directed. Tree planting with approved quality various Plant height no less than 2 to 3 meter height and 1200 mm round girth/ foliage of the leaves and branches, including watering and maintenance of the lawn for 90 days or more till the grass forms a thick lawn free from weed and fit for mowing including supplying good earth if needed, including Pest Control treatment to all the area. Refer cpwd specification volume 2 page no 1054 to1059 for workmanship only

Mode of Measurement & payment

The measurement and the payment will be base on the each no of the approved quality 2 to 3 meter plant/tree height as per the detail plant list. The rate and payment shall base on the unit of Each of complete item. No extra payment shall be made for any kind of good earth, manure, sludge pest control required to complete the item up to satisfaction of architect.

Deputy Executive Engineer
PIU, Kheda

Executive Engineer
PIU, Kheda

SECTION - 6
FORM OF BID

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 between us.
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

SECTION - 7

BILL OF QUANTITIES

BILL OF QUANTITIES

Preamble

1. The bill of Quantities shall be read in conjunction with the Instructions to Bidder, Conditions of Contract, Technical Specifications and Drawings.
2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and verified by the Engineer and valued at the rates and prices tendered in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix within the terms of the Contract.
3. The rates and prices tendered in the priced Bill of Quantities shall, except in so far as it is otherwise provided under the Contract, include all constructional plant, layout, supervision, materials, erection, maintenance, insurance, profit, taxes and duties, together with all general risks, liabilities and obligations set out or implied in the Contract.
4. The rates and prices shall be quoted entirely in Indian Currency.
5. A rate or prices shall be entered against each item in the Bill Quantities, whether quantities are stated or not. The cost of Items against which Contractor has failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities (in case of Item rate contract).
6. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Bill of Quantities, and where no Items are provided the cost shall be deemed to be distributed among the rates and prices entered for the related items of Work.
7. General direction and descriptions of work and materials are not necessarily repeated or summarized in the Bill of Quantities. References to the relevant sections of the contract documentation shall be made before entering rates or prices against each item in the Bill of Quantities.
8. The method of completed work of payment shall be in accordance with the specification for Road and Bridge works. For building works specifications for building are to be followed.
9. Errors will be corrected by the Employer for any arithmetic errors pursuant to **Clause 29** of the Instructions to Bidder.
10. Rock is defined as all materials which, in the opinion of the Engineer, required blasting, or the use of metal wedges and sledgehammers, or the use of compressed air drilling for its removal, and which cannot be extracted by ripping with a tractor of at least 150 kw with a single rear mounted heavy duty ripper.

BILL OF QUANTITIES

(A) Percentage Rate Tender (Up to INR 50 Cr.) SOR Year 2023_-2024__

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Amount

I/We am/are willing to carry out the work at... % above/below percent (Should be written in figures and words) of the estimated rate mentioned above. Amount of my /our tender works out as under.

Estimated amount put to tender

Estimated amount put to tender

Deduct.....% below

Add.....% Above

Net

Net

In words

In words

(B) For Item Rate Tender (For above INR 50 Cr.): SOR Year 20__-20__

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate		Amount
				In figures	In Words	

(A) Total Tendered Amount

(B) Rebate on above tendered amount (if any) % (in figure)
(in words).....

(C) Net Tendered Amount (A-B) (in figure)
(in words).....

#

1	The Contractor shall exhibit a board with detailed specification and details of work as directed by the Engineer-In-Charge for which no extra payment shall be made.
2	The labour cess will be deducted as per prevailing rules i.e. 1% of the work done.
3	GST and Income tax TDS will be deducted at a source while making payments of bills
4	In all R.C.C. Items in Rate Analysis Standard Cement Consumption has been taken as per Govt. G.R.: PRC-10/2017 Cement Consumption/16/C Date:11/05/2017 as stated in S.O.R. therefore in R.C.C. items where there is a change as per actual mix design the cost of difference of cement consumption have been deducted from the rate of original item at the rate of input rate mentioned in all the tender. Input rate is Rs. 5234 MT.

5	GST extra applicable in case of work based on SOR 2023-24 only.
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SECTION - 8

SECURITIES AND OTHER FORMS

BID SECURITY (BANK GUARANTEE)

WHEREAS, ----- (name of Bidder) (hereinafter called the "The Bidder") has submitted his bid Dated ----- (Date) for the construction of ----- (Name of Contractor hereinafter called "the Bid")

KNOWALLPEOPLEbythese presents that We -----
(name of Bank) of ----- (name of country) having our registered office at ----- (hereinafter called "the bank") are bound unto PIU General Fund A/C 11-114 (name of Employer) (hereinafter called "The Employer") in the sum of ----- *
for which payment well and truly to be made to the said Employer the Bank itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this ----- day of ----- 20

THE CONDITIONS of these obligations are:

(1) If after Bid opening the Bidder withdraws his bid during the period of Bid validity specified in the Form of Bid;

Or

(2) If the Bidder has been notified of the acceptance of his bid by the Employer during the period of Bid Validity:

A Fails or refuses to execute the Form of Agreement in accordance with the Instructions to Bidders, if required; or

B. Fails or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders; or

C. does not accept the correction of the Bid Price pursuant to Clause 27 (Correction of Errors)

We undertake to pay to the Employer up to the above amount upon receipt of his first written demand, without the employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him owing to the occurrence of one or any of the three conditions, specifying the occurred conditions or conditions.

This Guarantee will remain in force up to and including the date----- **
days after the deadline for submission of Bids as such the deadline is stated in the
Instructions to Bidders or as it may be extended by the Employer, notice of which
extension (s) to the Bank is hereby waived. Any demand in respect of this
guarantee should reach the Bank not later than the above date

DATE-----

SIGNATURE-----

WITNESS-----

SEAL-----

(Signature, name and address)

* The Bidder should insert the amount of the guarantee in words and figures
denominated in Indian Rupees. This figure should be the same as shown in
Clause 16.1 (Bid Security) of the Instructions to Bidders.

****45 days** after the **end of the validity period** of the Bid. Date should be
inserted by the Employer before the Bidding documents are issued.

PERFORMANCE SECURITY

TO,
Principal Secretary, Health and Family Welfare Department (Name of Employer)
Chief Engineer (PIU), 4th Floor, NHM, PIU, RDD Bhavan, Civil Hospital Campus, Sector-12,
Gandhinagar (Address of Employer)

WHEREAS ----- (name and address of contractor) (hereafter called "the Contractor") has undertaken, in pursuance of Contracts No. ----- dates ----- to execute ----- (name of Contract and brief description of Works) (hereinafter called "The Contract")

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligation in accordance with the Contract.

AND WHEREAS we have agreed to give the Contractors such a bank Guarantee:

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you on behalf of the Contractor, up to a total of ----- (amount of guarantee)* ----- (in words), such sum being payable in types and proportions of currencies in which the Contract price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of ----- (amount of guarantee) as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the contractor before presenting it with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract to of the Works to be performed thereunder or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such charge, addition or modifications.

This guarantee shall be valid until 60 days from the date of expiring of the Defect Liabilities period.

Signature and Seal of the guarantor -----

Name of Bank -----

Address -----

Date -----

*An amount shall be inserted by the Guarantor, representing the percentage the Contract price specified in the Contract denominated in Indian Rupees.

ADDITIONAL PERFORMANCE SECURITY

[Clause 34.1. (A)]

TO,

Principal Secretary, Health and Family Welfare Department (Name of Employer)
Chief Engineer (PIU), 4th Floor, NHM, PIU, RDD Bhavan, Civil Hospital Campus, Sector-12,
Gandhinagar (Address of Employer)

WHEREAS ----- (Name and address of contractor) (hereafter called "The Contractor") has undertaken, in pursuance of Contracts No. ----- dates ----- to execute -----
----- (Name of Contract and brief description of Works) (hereinafter called "The Contract")

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligation in accordance with the Contract.

AND WHEREAS we have agreed to give the Contractors such a bank Guarantee:

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you on behalf of the Contractor, up to a total of -----
(amount of guarantee) ----- (in words), such sum being payable in types and proportions of currencies in which the Contract prices is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of -----
(amount of guarantee) as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the contractor before presenting it with the demand

We further agree that no change or addition to or other modification of the terms of the Contract to of the Works to be performed thereunder or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such charge, addition or modifications.

This guarantee shall be valid until **28 days** from the project completion date.

Signature and Seal of the guarantor -----

Name of Bank -----

Address -----

Date -----

BANK GUARANTEE FOR ADVANCE PAYMENT

TO,

Principal Secretary, Health and Family Welfare Department(Name of Employer)

Chief Engineer (PIU), 4th Floor, NHM,PIU,RDD Bhavan, Civil Hospital Campus, Sector-12,
Gandhinagar(Address of Employer)

----- (Name of Contractor)

Gentlemen:

In accordance with the provisions of the Conditions of Contract, sub-clause 51.1 ("Advance Payment") of the above-mentioned Contract,-----
----- (name and address of Contractor) (hereinafter called "the Contractor") shall deposit with (name of Employer) a bank guarantee his proper and faithful performance under the said Clause of the Contract in an amount of--- (amount of Guarantee)*----- in words).

We, the ----- (bank of financial institution), as instructed by the Contractor, agree unconditionally and irrevocably to guarantee as primary obligator and not as Surety merely, the payment to-----
(name of Employer) on his first demand without whatsoever right of obligation on our part and without his first claim to the Contractor, in the amount not exceeding---
----- (amount of guarantee)* ----- (in words)

We further agree that no change or addition to or other modifications of the terms of the Contractor or Works to be performed thereunder or of any of the Contract documents which may be made between ----- (name of Employer) and the Contractor, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modifications.

This guarantee shall remain valid and in full effect from the date of the advance payment under the Contract until ----- (name of employer) receives full repayment of the same amount from the contractor.

YOUR'S TRULY

Signature and Seal _____
Name of Bank/Financial Institution _____
Address _____
Date _____

* An amount shall be inserted by that Bank or Financial Institution representing the amount of the Advance Payment, and denominated in Indian Rupees.

Letter of Acceptance
(Letter head paper of the Employer)

_____(date)

To, _____(Name and address of the Contractor)

Dear Sirs,

This is to notify you that your Bid dated _____ for execution of the _____ (Name of the contract and identification number, as given in the Instructions to Bidders) for the Contract Price of Rupees _____ (_____) (amount in words and figures) as corrected and modified in accordance with the Instructions to Bidders* is hereby accepted by our agency.

You are requested to furnish performance security, in the form detailed in para 34.1 of ITB for an amount equivalent to Rs. _____ within **10 days** of the receipt of this letter of acceptance up to beyond **60 days** from the date of expiry of defects Liability period i.e. upto _____ and the Additional Performance Security for an amount equivalent to Rs. _____ shall be valid beyond 28 (twenty-eight) days of Project Completion Date i.e. upto _____ and sign the contract, failing which action as stated in Para 34.3 of ITB will be taken.

Yours Faithfully

Authorized Signature
Name and title of Signatory
Name of Employer

* Delete "Corrected and" or and modified if only one of these actions applies. Delete as corrected and modified in accordance with the Instructions to Bidders, if corrections or modifications have not been affected.

Issue of Notice to proceed with the work

(Letterhead of the Employer)

To, _____ (date)

_____(Name and address of the Contractor)

Dear Sirs,

Pursuant to your furnishing the requisite security in ITB Clause 34.1 and
signing of the Contract for the construction of _____

_____ at a bid Price of Rs.

_____.

You are hereby instructed to proceed with the execution of the said works in
accordance with the contract documents.

Yours faithfully

(Signature, name and title of signatory authorized
To sign on behalf of Employer)

AGREEMENT FORM

This agreement, made on the _____ day of _____ between _____ (name and address of Employer) (Hereinafter called "the Employer) and _____ (name and address of contractor) hereinafter called "the Contractor" of the other part.

Whereas the Employer is desirous that the Contractor execute

Name and identification number of contract (hereinafter called "the works") and the employer has accepted the Bid by the Contractor for the execution and completion of such works and the remedying of any defects therein, at a cost of Rs.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the conditions of contract hereinafter referred to and they shall be deemed to form and be read construed as part of this Agreement.
2. In Consideration of the payment to be made by the Employer to the contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to executive and complete the works and remedy any defects therein in conformity in all aspects with the provisions of the contracts.
3. The employer hereby covenants to pay the Contractor in consideration of the execution and completion of the works and the remedying the defects wherein contract price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the contract.
4. The Following documents shall be deemed to form and be ready and construed as part of this Agreement viz
 - i) letter of Acceptance
 - ii) Notice to proceed with the works:
 - iii) Contractor's Bid

- iv) Conditions of contract: General and Special
- v) Contract Data
- vi) Additional conditions
- vii) Drawings
- viii) Bill of Quantities and
- ix) Any other documents listed in the Contract data as forming part of the Contract.

In witness whereof the parties there to have caused this Agreement to be executed the day and year first before written

The Commonseal of _____

Was hereunto affixed in the presence of:

Signed, sealed and Delivered by the said _____

In the presence of

Binding signature of Employer _____

Binding Signature of Contractor _____

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.

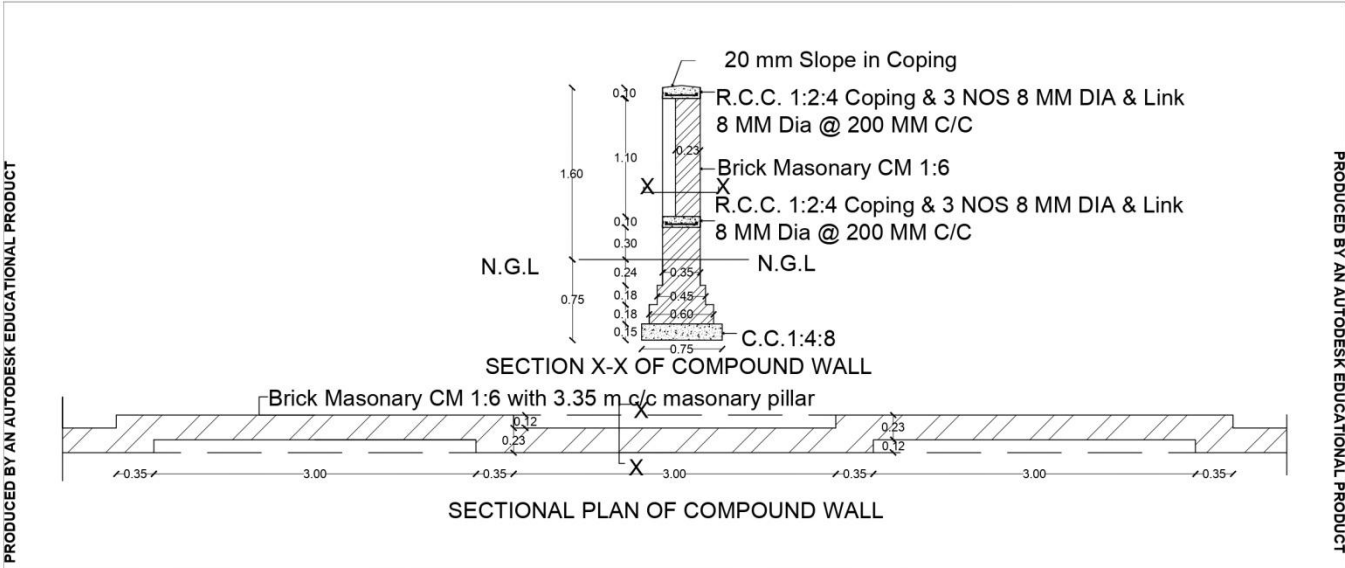
(Signed by an Authorized officer of the firm)

Title of officer

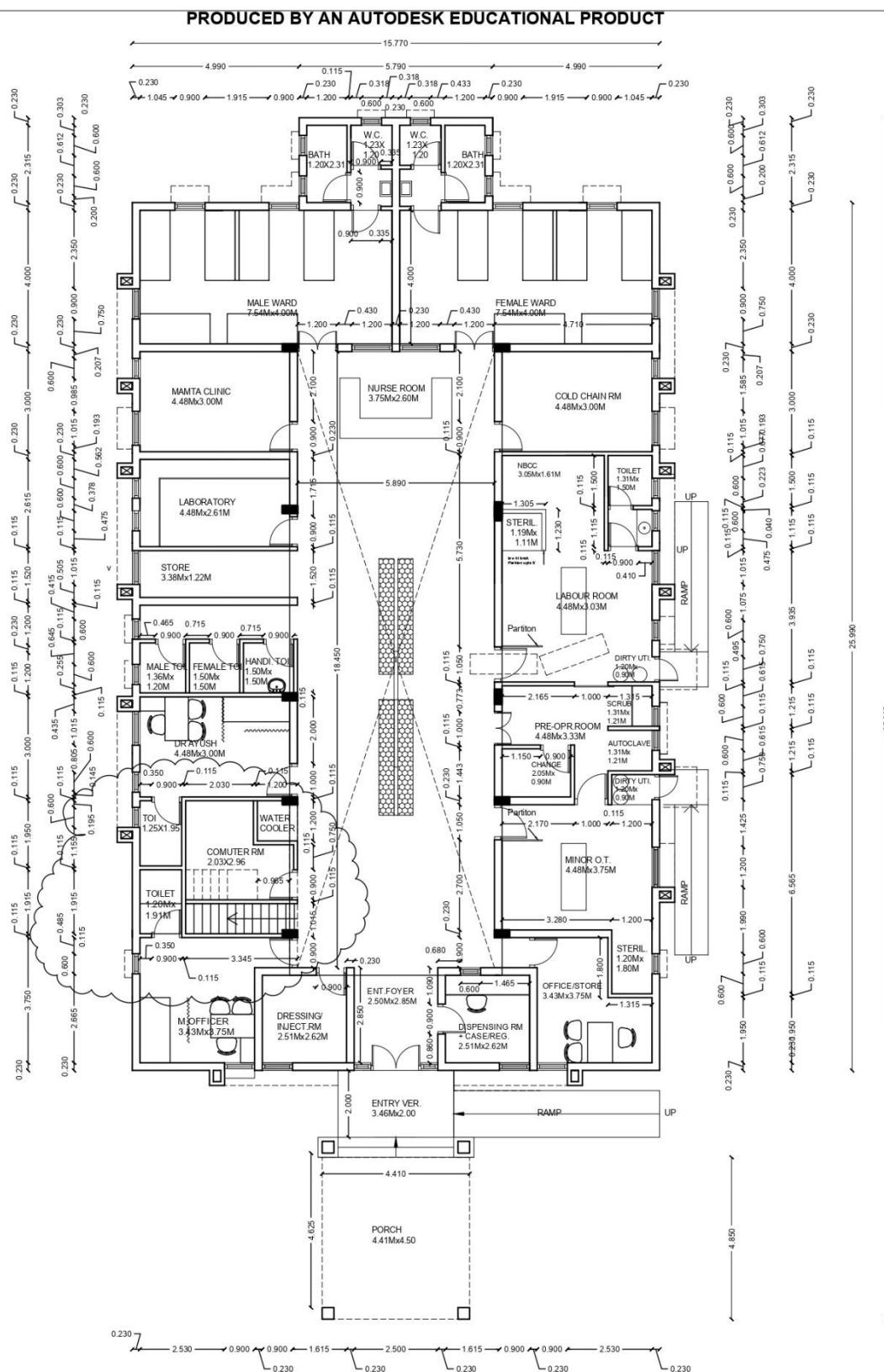
Name of firm

DATE

SECTION - 9
DRAWINGS



Project Title :	Location :	Design Cell
SC, PHC & CHC Compound wall	Drg. No. : PL01 Date :	Project Implementation Unit Gandhinagar



Primary Health Centre

Built up Area : 434.04(Building)+21.39(Porch)=455.43 Sqmt.

Project Title :
Primary Health Centre

Drawing Title : Ground Floor Plan(HALL CHANGE REV/1)

Location :

Drp. No. : PL01

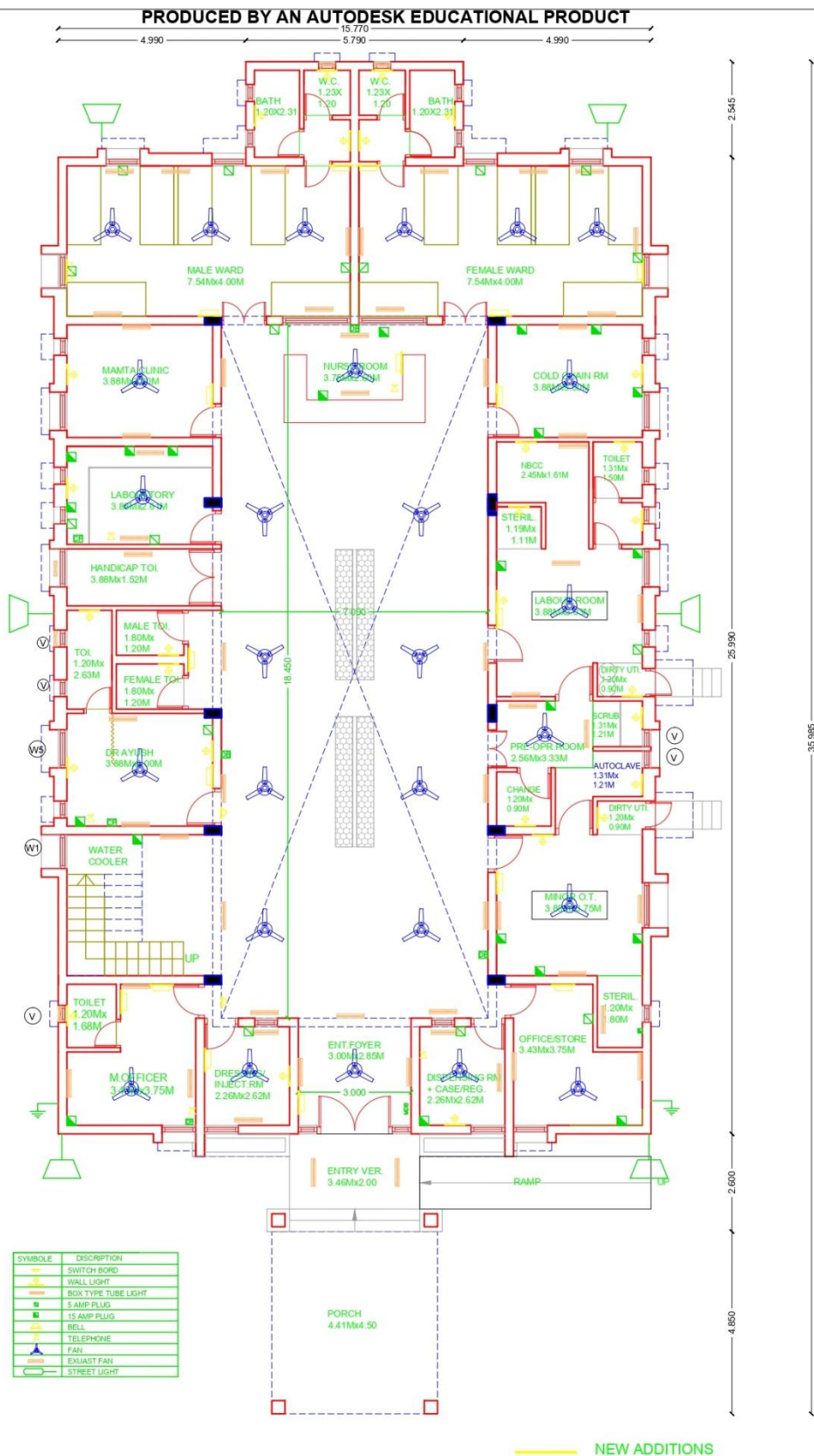
Date : - 2012

Prepared By : R.I.Solanki

Architect, P.I.U.

Design By : R.I.Solanki

Design Cell
Project Implementation Unit
Ch Type, Sector-30,
Gandhinagar



Project Title :
Primary Health Centre

Drawing Title : Ground Floor Plan(Improved Plan)

Location :
Drg. No. : PL01
Date : - -2012

Prepared By : R.I.Solanki
Architect, P.I.U.
Design By : R.I.Solanki

Design Cell
Project Implementation Unit
P. G. Hostel, Sector-12,
Civil Hospital Campus,
Gandhinagar

SECTION - 10
DOCUMENTS TO BE FURNISHED BY BIDDER