



# **Gujarat University**

## **Part I: Technical Bid**

Tender No: GU/ESTATE/LBR/2017-18/01

**Tender Document  
For**

**Construction Work of New Library Building at  
Gujarat University.**

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## **LETTER FROM TENDERER**

To,  
The Registrar, Gujarat  
University,  
Ahmedabad – 380009

Subject : PROJECT: Construction Work of New Library Building at Gujarat University

Dear Sir,

With reference to the tender invited by you for the above works, we are pleased to offer our best rates mentioned in the Schedule.

We have inspected the site of work, studied the actual site condition, read the Conditions of Contract, and we agree to complete the work to the specifications and satisfaction of the Employer.

We enclose herewith Earnest Money Deposit of Rs. 5,20,000/- by Demand Draft No: \_\_\_\_\_ drawn on \_\_\_\_\_, in favors of "The Registrar, Gujarat University" payable at Ahmedabad.

We hereby agree that this sum shall be forfeited by the university if we fail to execute the contract when called upon to do so in the event of your accepting our tender.

We hereby also agree that you reserve the right to accept or reject any or all tender without assigning any reasons.

Your truly,

Sing & Stamp of the Bidder

Registrar

Sign and Seal of contractor

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# **GUJARAT UNIVERSITY**

## **Tender Notice**

### **PROJECT: Construction Work of New Library Building at Gujarat University**

The Registrar, Gujarat University invites bids with two bid system for the providing of Expansion Work -detailed in the table below from the bidders having experience for similar type of works, registered in R&B / State Government / Central Government in appropriate class and meeting the qualifying criteria specified.

Sr. No.	Name of Work	Estimated Cost in Rs	Bid Security (EMD) (Rs.)	Tender Fee (Rs.)	Period of Completion
1	2	3	4	5	6
1	CONSTRUCTION WORK OF NEW LIBRARY BUILDING AT GUJARAT UNIVERSITY	51964600.00/-	5,20,000/-	12,000/- (Non-refundable)	11 months

Milestone Dates for Tendering		
1.	Tender Downloading Date	From 25 TH January 2018 to 23TH February 2018 .
2.	Tender Online submission	On or Before 06:00 PM, 23 <sup>TH</sup> February 2018
3.	Submission of tender (Technical bid part-1 including pre-qualification form and its documents) in physical form at room no. 38, Gujarat University, Ahmedabad.	On or Before 2:00 PM, 26 <sup>th</sup> February 2018
4.	Opening of Technical Bid	On 3:00 PM , 26 <sup>th</sup> February 2018
5.	Opening of Financial Bid	Will be intimated to the bidders online
6.	Bid Validity	180 Days from last date of submission of the bid

Registrar

Sign and Seal of contractor

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1. **Part-1 technical bid** shall be submitted physically in person at the office of Gujarat University, General department (Inward section), Room No: 38, Gujarat University Tower, Gujarat University, Navrangpura, Ahmedabad, Gujarat: 380 009. Part-2 financial bid/Price bid shall be submitted by online only.
2. **Part-1 Technical bid shall not be accepted by any other means such as RPAD/speed-post/courier.**
3. The e-tender can be downloaded from the website [www.nprocure.com](http://www.nprocure.com) & <http://www.gujaratuniversity.ac.in>
4. Technical Bid must be accompanied by security amount specified for the work as Bid security (EMD) in the table in form of a Demand Draft drawn in favor of The Registrar, Gujarat University. Bid security must remain valid for 30 days beyond the validity of the bid. No exemption shall be allowed in the bid security submission.
5. The bidding process shall be two-bid system where technical and financial bids shall be submitted separately by the bidder. The bidding documents shall be submitted by the bidder on-line and physically as prescribed here under.
6. Technical bid shall be submitted on-line as well as in physical form. The bidder shall submit two sets (hard-copies) of the entire technical bid document i.e. original and duplicate, with each page number in unbroken sequence and self-attested in a sealed envelope to the office of Gujarat University, General department (Inward section), Room No: 38, Gujarat University Tower, Gujarat University, Navrangpura, Ahmedabad, Gujarat: 380 009 before the last date and time specified. In extra-ordinary circumstances, if the receiving office is closed on the given date and time, the same shall be received on the next working day of the receiving office.
7. Where-ever required, information must be submitted by the bidder in the prescribed format available with the tender document.
8. Bidder is recommended to go through the checklist provided herewith prior to the submission of the bid to ensure that the bid submitted is complete in all respect. Incomplete bids shall not be accepted.  
The envelope containing physical bid shall be clearly marked “**Construction Work of New Library Building at Gujarat University**” and must have bidder’s address of communication, e-mail and mobile contact number that may be used for communication if necessary.
9. The financial bid shall be submitted **ON-LINE ONLY**.
10. To provide appropriate information to enable bidders to come out with their best offer, a pre-bid meeting with all interested agencies shall be held as prescribed in Tender Notice.
11. Agencies desirous of seeking any clarification or any additional information must submit their queries in written format duly signed by the bidder along with the name and address as prescribed in Tender Notice. Entertaining any query that is not submitted in written format

as prescribed above shall be to the discretion of Gujarat University. Gujarat University reserves rights to reject responding to any/all queries.

12. If found necessary, Gujarat University may provide additional clarifications to the bidders in form of a corrigendum, hence bidders are advised to check nprocure web-site on regular bases to stay updated. Staying informed is the duty of the bidder and Gujarat University shall not entertain any claims based on not being informed of the clarification provided by Gujarat University during the pre-bid meeting or anytime thereafter. Any/ all clarifications provided in the pre-bid meeting shall be binding to all the bidders regardless of their presence or absence in the pre-bid meeting.
13. Gujarat University shall open the technical bid as prescribed in Tender Notice. Interested bidders may remain present during the time of bid opening. After opening of the technical bids, the same shall be evaluated by competent authority of Gujarat University and suitable bidders shall be qualified for the next stage of the bidding based on their competence. This is a merit driven process whereby each bid shall be evaluated on technical criteria to identify capable bidders suitable for a high quality state of art public facility. Gujarat University reserves the right to choose competent bidders based on its evaluation of the technical bids to move forward to the next stage of the bidding process. No communication regarding the process of evaluation shall be entertained. Decision of Gujarat University shall be final and binding to all bidders.
14. Bidders qualified by Gujarat University shall be eligible for the opening of the financial bid submitted on-line. Opening of the financial bid shall be on-line only. Same may be viewed by qualified bidders if they desire.
15. Financial bid shall be evaluated in terms of lowest over-all offer and the agency qualifying on this merit shall be treated as L1 bidder. Qualifying as L1 bidder does not grant any right to the bidder. Gujarat University reserves the right to accept/reject any/all bidders including the L1 bidder.
16. Though negotiations with L1 bidder or any other bidder are avoidable as per CVC guidelines, considering the public nature of the project being taken up by academic institute; if need be, in the greater interest of the project, Gujarat University reserves the right to negotiate with L1 or any other bidder. No objection shall be entertained in case of any negotiation is taken into consideration for appointment of right agency at the right cost.
17. At any stage of the bidding, Gujarat University reserves the right to seek clarification from any bidder to verify authenticity of the information provided by the bidder. If the information submitted is found to be false or misleading, Gujarat University reserves the right to seize the EMD amount submitted by the said bidder without offering any clarification/s for the same.
18. If it is observed that any bidder has provided false information with malafide intention of derailing and thus delaying the process, Gujarat University reserves the right to recover additional damages from the bidder and initiate the process of blacklisting the miscreant.
19. Other details can be seen in the bidding documents.
20. Conditional tender shall not be accepted. The Vice Chancellor reserves the right to reject any or all of the tenders without assigning any reason thereof.

## **INFORMATION TO TENDERERS**

1. Incomplete or conditional tenders shall be rejected.
2. The registrar reserves right to accept/reject any/all bids without assigning any reasons thereof.
3. The rates offered by the bidder are to be inclusive of all taxes and GST also.
4. Bidder shall make his own arrangements for water and electricity for the construction work at site at his own expense. No additional payment shall be made towards any consumable required for executing any of the items prescribed in the tender.
5. Bidder shall follow best practices for health and safety during the entire course of execution, cost of which shall be borne exclusively by the bidder.
6. Bidder shall ensure that all aspects of the activities taken up as part of fulfilling the contract are covered with necessary insurance cover, cost of which shall be borne exclusively by the bidder.
7. Bidder shall ensure that he is registered with all concerned statutory authorities connected with any aspect of the delivery of scope of work of the tender at his cost.
8. Bidder is expected to submit the flow of work envisaged by him for consideration of the Engineer-in-charge. Engineer-in-charge shall reserve the right to finalize the work-schedule to be followed by the bidder and/or modify it from time to time.
9. No price escalation shall be paid/ recovered for the works mentioned in the tender.
10. No advances, either in the form of Machinery advance or materials advance or in any other form shall be given.

Signature of bidder:

Date:

The Registrar  
Gujarat University,  
Ahmedabad

Registrar

Sign and Seal of contractor

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## CONSTRUCTION WORK OF NEW LIBRARY BUILDING AT GUJARAT UNIVERSITY

### DISCLAIMER

1. The information contained in this bid document or subsequently provided to the bidders whether verbally or in documentary form by or on behalf of the Gujarat University or any of their employees/ advisers/ consulting engineers is provided to the bidder (s) on the terms and conditions set out in this bid document.
2. The bid document and subsequent submissions of the bidders are not an agreement. These will subsequently form a part of agreement between the Successful Bidder and the Gujarat University after modifications/ additions/ alterations as decided upon by VC Gujarat University.
3. This document does not purport to contain all the information the bidder may find necessary for the completion of works in a professional manner in accordance with good engineering practice. The bidder is required to check the accuracy, reliability and completeness of the information in this bidding document regarding the site, the movement of traffic, the accessibility, the working conditions, the climatic conditions, the availability of working and storage spaces etc. GU, its employees/ advisers/ consulting engineers do not incur any liability under any law, rules or regulation as to the accuracy, reliability and completeness of the information in this bidding document.



The Registrar  
Gujarat University,  
Ahmedabad

Registrar

Sign and Seal of contractor

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## **EVALUATION CRITERIA FOR QUALIFICATION**

### **Minimum Eligibility Criteria :-**

1. Only single bidder permitted for bidding.
2. No Joint venture/Consortium permitted for bidding.
3. Contractor registered with Government of Gujarat in **class 'A and Special Building Category-II'** with R & B, other state government, or with Central PWD.
4. Average annual financial turnover of the bidding firm should not be less than **Rs 520.00 lacs** of last three years ending on 31<sup>st</sup> March 2017.
5. Experience of having successfully completed similar works during last 05 years for reputed clients such as GUJARAT UNIVERSITY/Central Govt. /State Govt. /Semi Govt./Railways/PSU or any other government organization. The claim must be supported with documentary evidence such as satisfactory completion certificate from respective authorities. Certifying agency shall not be below the rank of Executive Engineer.
  - a) One similar completed works costing not less than the **Rs. 416.00 lacs**  
Or
  - b) Two similar completed works costing not less than the **Rs. 260.00 lacs**  
Or
  - c) Three similar completed work costing not less than the **Rs. 208.00 lacs**
  - d) Weight age of 10 % per financial year (simple) shall be allowed for eligibility purpose for the project completed before 31<sup>st</sup> March 2017. Financial year shall be from April to March. Similar completed works means work complying following criterion.
- **Similar works means experience of New construction of RCC Frame Structure Building civil, electric and allied works as one contractor in the last 5 years in Government/Semi Government Sectors.**  
**The right to interpret "similar work" is reserved by Gujarat University.**
6. He must have the registration of GST.

Registrar

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**Financial Criteria:**

1. Average annual financial turnover of the bidding firm should not be less than **Rs. 520.00 lacs** of last three years ending on 31<sup>st</sup> March 2017.
2. Attested copy of balance sheet with profit & loss account of last 3 financial years duly audited by chartered accountant.

**Other Requirements to be submitted:****A. Bidder's registration**

Only those bidders whose names are borne on the approved list of registered contractors in the "class 'A and Special Building Category-II' registered in R&B / State Government / Central Government shall be entertained.

**B. Litigation history**

The applicant should provide accurate information on litigation and / or arbitration resulting from Contracts completed or under execution by him over the last three years. A consistent history of arbitration awards / judgments against the applicant or any partner of joint ventures may result in disqualification for proposed work. If the details of Litigation History is hidden by the applicant and later on it comes to knowledge of the employer the bidder shall be disqualified for the proposed work and other appropriate actions shall be taken against the bidder.

Even though the Applicants meet the above criteria, they are subject to be disqualified if they have made misleading or false representation in the 16 form, statement and attachments submitted and / or record of poor performance such as abandoning the work, not properly completing the work, not properly completing the contract, delays in completion, litigation history, financial failure etc.

**C. Bidding in E-tendering**

- i. In addition to physical submission of technical bid, submission of bid must be through e-tendering i.e. Electronic form
- ii. Bidders shall have to submit the bid in E-Tendering form only.
- iii. Bids of those bidders who have submitted all information, statistical details as required in the bid document through E-Tendering will only be considered. If the Employer desires any clarification, for verification / clarification, ambiguity or difference found in the documents / statistical details submitted online (by E-Tendering) by the bidder, the same shall be furnished within stipulated time, otherwise further processing will be carried out in absence of above and the bidders shall be liable for any consequence.

**D. E-Submission of documents**

- i. Following documents/papers shall form part of the bid.
  - Attested copy of proprietorship or partnership deed.
  - Attested copy of power of attorney, if any for signing the bid documents.

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- Company registration details
- Company introductory profile
- Proof of appropriate registration class.
- Annual turnover certificate issued by chartered account and for last three financial years.
- Form 3A issued by employer (duly certified by an officer of the rank not below that of an Executive Engineer) to substantiate successful experience of **similar work**.
- Litigation / Arbitration history
- Proof of assured availability of required Machinery/equipment
- An undertaking for truth-fullness of information furnished.
- Copy of registration of GST and pan card.

ii. Any information data, statistics etc. which are not related to bid document will not be considered in evaluation even though furnished by the applicant.

- iii. In accordance with stipulation of Para 3D(iii), Employer reserves the right to call any information / document which is mandatory, essential and critical for the purpose of evaluation. Any information provided by the applicant after last date of submission will not be considered in evaluation, unless except the employer has specifically asked for any information/ document, which is mandatory, essential and critical for evaluation of PQ document. If required information is not furnished within stipulated time, proposal will be liable for rejection.
- iv. If any of the information provided by the bidder is found false during scrutiny or at the later stage, his EMD shall be forfeited and he shall be disqualified for the proposed work. If any of the information provided by the bidder is found false after award of work, the performance security of the bidder shall be forfeited and the contract shall be terminated.

### (3) Escalation Factors

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

Year	Financial Year	Enhancement factor
Base(year of inviting tender)	2017-18	1.0
-1	2016-17	1.10
-2	2015-16	1.21
-3	2014-15	1.33
-4	2013-14	1.46

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

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

**The Register  
Gujarat University  
Ahmedabad**

Registrar

Sign and Seal of contractor

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## **GENERAL INFORMATION FOR THE BIDDER**

1. Incomplete and conditional tenders shall not be considered.
2. GUJARAT UNIVERSITY, Ahmedabad reserves the right to split up the work covered in the scope of this contract amongst more than one contractor.
3. Intending bidders shall submit tenders after studying all tender documents carefully and after visiting the site for satisfying themselves of actual site conditions, location and accessibility of site and nature and extent of the work involved etc. Submission of tenders implies that bidders have obtained all necessary information and other data required for executing the work. No claim for extra charges because of any misunderstanding or otherwise shall be allowed.
4. Site cleaning and making the site accessible for execution of the work shall be in the scope of bidders. In case of the bidder requiring removal/breakage of any feature/asset of Gujarat University, the same can be one only after getting written clearance from Gujarat University. The same may be restored by the bidder at his cost if demanded by Gujarat University at any point of time.
5. Bidders will not be allowed to give sub-contract of the works awarded to him for any reasons what so ever without written permission of the Engineer-in-charge.
6. After opening of Technical bid, no price revision shall be accepted from any bidders on any grounds.
7. Price quoted shall be firm, until overall completion of the work, under contract and there shall not be any price escalation.
8. Date of opening of price bid will be intimated later on to those bidders who are qualified in technical bid. Price bid of only qualifying bidders based on evaluation of technical bid shall only be opened. Price bid of bidders who are not technically qualified by Gujarat University shall not be opened.
9. The decision of GUJARAT UNIVERSITY in the matter shall be final and no/any claim will be entertained in this regard.
10. All the works shall be carried out as per specifications and drawings attached with the tender and relevant Indian Standards issued by the Bureau of Indian Standards. All materials procured should be confirming to relevant Indian Standards issued by Bureau of Indian Standards, wherever not specified in the item. In case of the specifications not found in Indian Standards, they shall follow best market practice, adjudicator of which shall be the Engineer-in-charge of Gujarat University
11. Tenders, who do not fulfill all or any of the conditions of the tender or incomplete in any respect, are liable to rejection.

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12. GUJARAT UNIVERSITY, Ahmedabad reserves the right to reject any or all the tenders without assigning any reason thereof.
13. This specification is intended as a general description of quality envisaged for materials & workmanship & of the finished work. It is not intended to cover minute details. The work shall be executed in accordance with the best modern practice & to the complete satisfaction of the GUJARAT UNIVERSITY. Special techniques approved by the GUJARAT UNIVERSITY shall be used if & where found necessary without any extra claim. The specification provided shall have priority if anything contrary to them is stated elsewhere in the contract documents. In case of a specification not adhering to minimum standards prescribed in the IS code for the relevant item, IS code shall prevail upon the specifications. Execution of any such item shall take place only after bringing the issue to the notice of the Engineer-in-charge and taking his written permission. GUJARAT UNIVERSITY's decision shall be final & binding to the contractor on any issue arising out of such discrepancies.
14. **AGREEMENT:** As per university's rules, successful bidder shall have to enter in to an agreement on non-judicial stamp paper of Rs100/-with the Gujarat University, Ahmedabad, in the prescribed form on receipt of work order. The cost of the stamp fee shall be borne by successful tender. The tender with specifications, schedules, drawings, the contract booklet and other necessary documents shall be signed by successful bidder. The letter of acceptance, all the bid documents, all the documents accompanying the contract & subsequent correspondence shall be deemed to be a part of the contract agreement. **(Separate Agreement sheet attached below as annexure:I)**
15. Each bidder shall also submit a Declaration to the effect that bidder is an engineering construction firm or an association of firm which has successfully carried out large works of this nature & has adequate organization & experienced personnel to handle this type & magnitude of work. Information should be also given regarding the constitution of the firm; it's authorized, subscribed & paid up capital, the date & place of registration, the place of business, the names of the directors & other relevant information.
16. Each tender shall contain the name, residence & place of business of person or persons making the tender & shall be signed by the bidder with his usual signature with seal of the company.
17. An attested copy of the constitution of the firm with the name of all partners shall be furnished. Whenever, whether in submission of the tender or later in other matters, the signatures are made by one person on behalf of Directors or a firm or a corporation, an attested copy of the resolution of the partners or of law shall be supplied by the bidder authorizing the signatory. Witnesses & sureties shall be persons of status & probity, their names, occupation & address shall be stated below their signatures. All signatures shall be dated.

Registrar

Sign and Seal of contractor

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18. Tenders by corporation shall be signed with the legal name of the corporation followed by the name of the state of incorporation & by the signature & designation of the president, secretary or other person authorized to bind it in the matter with rubber seal of the company.
19. The tenders received after time and date specified in the tender notice, will not be accepted. Once the offer submitted by the contractor before due date of submission, the contractor will not be allowed to submit revised / additional / modified / other even before due date. However, if the issue and receipt of tender is extended by the GUJARAT UNIVERSITY due to any reason, the contractor may submit the revised offer before due date of submission, if he wish to submit.
20. GUJARAT UNIVERSITY reserves the right to delete or add any item of Schedule-B for which contractor shall not have any right to claim on this account.
21. No idle charges shall be entertained by Gujarat University, Ahmedabad for any site conditions or any circumstances.
22. No claims for hindrance shall be entertained in any manner for any natural phenomenon such as rain or water logging.
23. The Contractor shall take all requisite & necessary care to observe that no damage is caused to the Existing structures, assets etc. For any damage to the existing structures or assets of Gujarat University that contractor is be held responsible by Engineer-in-charge, same shall be rectified/restored/replaced immediately at the contractor's cost to the satisfaction of Engineer in Charge. If found necessary, Engineer-in-charge may employ other agency for the same and recover the cost from the contractor's account.
24. **The Bidders shall note:**
- a. No price escalation on any account, shall be payable.
25. **Recoveries:**
- a. In case of any damage to equipment/machinery or structure/building of GUJARAT UNIVERSITY, Ahmedabad or any public property due to negligence's of contractor or any other reasons attributed to contractor the decision of Engineer in Charge regarding the amount of recovery shall be final.
  - b. If the contractor fails to execute the work as per direction of Engineer in Charge within the time frame given by GUJARAT UNIVERSITY, Ahmedabad time to time, action as per clause no. 35 of this chapter and action as per clause no. 4 of condition of contract shall be implemented.
26. All royalties, sales tax, toll tax, local tax, development charges, welfare cess and any other taxes including works contract tax etc. and also any statutory variation in future towards above mentioned taxes & any other taxes if levied in future by statutory authority applicable to this

contract shall be borne by the contractor and GUJARAT UNIVERSITY shall not entertain any claim whatsoever in this respect. The rates Shall be "Including of GST".

27. The contractor shall have to pay the amount of GST to the respective department as early as possible as per prevailing rules.
28. The contractor shall pay the building and other construction welfare cess of 1% of total estimated cost at respective department of GOG. The contractor shall have to produce the proof of payment of labour welfare cess before submission of final bill, otherwise final bill of the work will not be finalized
29. The EMD will be returned promptly to the unsuccessful bidder after completion of tender process. (i.e Work awarded to the successful bidder )
30. R. A. Bill: R. A. bill payment shall be made only at the end of the month. On submission of bill by the contractor in GUJARAT UNIVERSITY's prescribed format. Completion of each activity will be checked by Engineer-in-charge and after getting approval of each activity contractor will proceed ahead to next stage.
31. Gujarat University shall entertain a R.A. bill of minimum of Rs. **5,00,000/-** only. (Only in special case, Engineer-in-Charge may use his discretion and allow an RA Bill of amount lesser than prescribed herewith). The R.A. bill must be submitted in prescribed format only. On receipt of a valid R.A. bill, Engineer-in-charge, as per his discretion, may suggest an ad-hoc release of not more than 50% of the bill amount on immediate bases to expedite the progress of work. This provision shall be treated ONLY as discretionary power of the Engineer-in-charge and not as a right to demand payment. The ad-hoc amount suggested by Engineer-in-charge shall be processed before verification of the bill and hence must be treated as advance that can be recovered at discretion of Engineer-in-charge, if need be. In case of a large discrepancy is found in the R.A. in comparison of actual work found at site, it shall be treated as a malpractice and contractor may be forced to pay a penalty or face termination from the contract based on the judgment of the Engineer-in-charge.
32. All R.A. bills shall be scrutinized by Engineer-in-charge for quality and quantity (in case of consultant PMC engineer) and shall be processed based on the approval granted by him. The amount due post-ad-hoc payment shall be released only after due approval of the Engineer-in-charge is received. Though all necessary efforts shall be made to expedite the approval process, minimum approximate time for the approval process shall be of 4 weeks.
33. The work shall be completed within the period stipulated in the contract.
34. **Security Deposit** : The successful bidder shall have to pay security deposit as guarantee money for performance of the contract and observance of contract conditions. The detail of break-up of SD is as under.  
**Initial security Deposit:** Appointed bidder shall have to pay security deposit of 5 % Of Estimated Cost of the work put to tender within 15 Days from the date of issue of letter of intent by way of



Bank Guarantee shall be of nationalized / scheduled bank only. On failing to pay security deposit in specified time limit the EMD will be forfeited and bidder will not be allowed to participate in the tenders invited from Gujarat University for the further period of 1 year. The security deposit validity shall be up to six months from the completion period specified in the contract and can be release within 30 days of final certification and only after approval of Engineer-in-charge, Gujarat University. Engineer In-charge reserves the right to withhold the same till the period he considers deemed fit.

**Retention Money:** For further security for the due fulfillment of the contract by the contractor, 5% of the value of the work done shall be deducted by the employer from each running bill towards retention money. On the PMC issuing a certificate of the virtual completion of the work the retention money will be released after 12 Months. (Defect Liability Period).

- 35. Compensation for the delay:** The time limit allowed for carrying out the work as entered in the tender shall strictly observed by the contractor and shall be reckoned from the date on which the order to commence the work is given to the contractor. The work throughout the stipulated period of contract proceeds with due diligence (time being deemed to be essence of contract) and for delay. If the contractor fails to complete the work under the contract by the stipulated date, he shall pay compensation ( liquidated damages) of rupees 0.1% of the contract value per day from the date of delaying the said work up to the date of completion and handing over to the Gujarat University. The aggregate maximum of compensation shall not exceed 0.1% of contract value per day and shall be subject to the maximum amount of 10% of the tendered value. Delays requiring payment of 10% liquidate damages of the tendered amount for performance shall be sufficient causes for termination of contract and for forfeiture of security deposit. The penalty will be invariably deducted from the bills of the contractor and no refund will be given unless the competent authorities approves the reasons for delay attributable to GUJARAT UNIVERSITY with the prior approval.
- 36.** In case of the item executed as per the actual requirement of the site is less than that of the tendered quantity that results in any saving, Engineer-in-Charge shall have the right to utilize the said saving to his discretion in terms of getting any other works that he finds deemed fit for the cause of the project. Contractor shall have no right to dispute this right of Engineer-in-Charge and/or claim any additional compensation for the same.
- 37. Arbitration:** In case of all the disputes, decision of The Vice – Chancellor, Gujarat University shall be final and binding to the bidder. **The Vice – Chancellor, Gujarat University shall be the sole Arbitrator.** The legal jurisdiction shall be Ahmedabad only.
- 38.** Work carried under this contract shall be completed in all respects within **11** calendar month including monsoon period from the date of issue of letter of order to commence the work. If any inevitable situation arises due to which work can be delayed such can be prior approval by Vice-Chancellor of Gujarat University in written that can be only considered as extension of time limit to complete the work. However, interim mile stones of the work will have to be completed as per the priority, sequence, schedule given by GUJARAT UNIVERSITY time to time.



## **CONDITIONS OF CONTRACT**

### **1. Definitions:**

- (a) The "Contract" means documents forming the tender, all the documents therein and acceptance thereof, together with the letter of intent, work order, schedule of terms and conditions, specifications, drawings, communications, instructions and any other directives issued by the competent authority to the appointed contractor.
- (b) The "Tender Document" means the form of tender, the applicable schedules and/or additional conditions and the specifications and/or drawings as issued to the contractors for the purpose of bidding.
- (c) The expression "works" or "work" when used in the conditions of contract shall, unless there be something in the subject or context repugnant to such construction means, the works or the work contracted to be executed under or in virtue of the contract whether original or altered.
- (d) The "Contractor" means the individual or firm or company, whether incorporated or not, undertaking the works and shall include his or its legal personal representative, successors and permitted assignees.
- (e) "GUJARAT UNIVERSITY" means the Gujarat University, Ahmedabad. and the "Accepting Officer" means the officer who is authorized to sign and signs the contract on behalf of the "GUJARAT UNIVERSITY."
- (f) "V.C." means Vice Chancellor who administers and in the case of the term contracts directs the contract.
- (g) The "Engineer-in-charge" means all officers of the GUJARAT UNIVERSITY appointed by the VC to supervise the works or part of the works.
- (h) The "Consultant" means designing, supervision agency appointed by Gujarat University.
- (i) "B.S." means the "British Standard" as issued by the British Standards institution. "A.S." means the American Standards as issued by the American Standard Institutions and "I.S." means the "Indian Standards" as issued by the Indian Standards Institutions. Wherever the above mentioned abbreviations are preferred to, in the specifications and / or work orders, they mean the addition with all amendments current at the date of issue of tender documents of work orders. In the case of measurement and terms of contracts "Specifications" means those contained in Gujarat University, Ahmedabad schedule together with any amendments etc. embodied in the tender documents, "Drawings" refer to those accompanying the tender documents and/or any work orders referred therein.
- (j) The "Contract Sum" means the sum accepted or the sum calculated in accordance with the prices accepted in the tender and/or the contract rate as payable to the contractor for the full and entire executing and completion of works.
- (k) "The date of completion" is the date or dates of completion of the work or any part of the works set out or ascertained in accordance with the individual work orders and the tender documents or any subsequent agreed amendments there to.

- 2. Compensation for the delay:** The time limit allowed for carrying out the work as entered in the tender shall strictly observed by the contractor and shall be reckoned from the date on which the order to commence the work is given to the contractor. The work throughout the stipulated period of contract proceeds with due diligence (time being deemed to be essence of contract)

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and for delay, the contractor shall pay compensation as per para 35 of general information for the bidder. The penalty will be invariably deducted from the bills of the contractor and no refund will be given unless the competent authorities approves the reduction the reasons for delay attributable to GUJARAT UNIVERSITY with the prior approval.

**3. Notice for unsatisfactory progress:** If the progress or a particular portion of the work is unsatisfactory the Engineer-in-charge whose decision shall be final, shall notwithstanding that the general progress of work is satisfactory, be entitled to take action under Clause 4(c) after giving the contractor 10 days' notice in writing and the contractor will have no claim for compensation for any loss sustained by him owing to such actions.

**4. Action in the case of Default by Contractor :** if the contractor shall negate or fail to proceed with the work with due diligence or if he violates any of the provision of the contract, the engineer in- charge shall give the contractor a notice, identifying deficiencies in performance and demanding corrective action. Such notice shall clearly states that it is given under the provision of this clause. After service of such notice, the contractor shall not remove any plant, equipment and material from site . University shall have a lien on all such plant , equipment and material from the date of such notice till the said deficiencies have been corrected as mention in the said notice.

If the contractor fails to take satisfactory corrective actions within 10 days after receipt of such notice, the engineer in-charge on behalf of university shall terminates the contract in whole. In case, the entire contract is terminated, the amount of SD and bank guarantee together with the value of the work done but not paid for, shall stand forfeited to the university. The plants, equipment and materials, held under this clause shall than be at the disposal of the university to recover the amount equivalent to the liquidated damages and registration of the contractor shall be kept in abeyance for three years from the date as fixed in all such cases.

The engineer in-charge if necessary shall direct that a part or the whole of such plants, equipment and material be removed from the site within a stipulated period. If the contractor fails to do so, the engineer in-charge shall cause them or any part of them to be sold holding the net proceed of such sale to the credit of the contractor. After settlement of accounts, the lien by the university of the contractor's remaining plant, equipment and balances of material shall be released.

Termination of the contract in whole shall be an adequate authority for the engineer in-charge to demand discharge of the obligations from the guarantors of the security for the performance.

**5. Extension of Time Limit:** If the contractor shall desire an extension of the time limit for completion of the work on the ground of his having been unavoidably hinder in its execution or on any other ground, he shall apply in writing to the Engineer-in-charge and the Engineer-in-

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charge may, if in his opinion there are reasonable grounds for granting extension, recommend such extension as he may think necessary or proper. The decision of the competent authority in this regard shall be final and binding to the contractor. Any delay attributed to GUJARAT UNIVERSITY shall be compensated only by way of extending the limit.

6. **Completion Certificate:** On completion of the work the Contractor shall be furnished with Completion Certificate by the Engineer-in-charge & PMC of such completion but no such certificate shall be given nor shall be the work considered to be complete until works are taken over and/or duly tested and put to operative as the case may be, nor until the work shall have been measured by the Engineer-In-Charge or where the measurement have been taken by his subordinated until they have received the approval of the Engineer-in-charge the said measurement being binding and conclusive against the contractor.
7. **Effect of the Certificate:** Unless otherwise specifically prescribed by the Engineer-in-Charge, No payment shall be made for any work estimated to cost less than **Rs. 5,00,000/-** till after the whole of said work shall have been completed and certificate of completion given. But in the case of works estimated to cost more than **Rs. 5,00,000/-** Contractor shall on submitting a monthly bill thereof, be entitled to receive payments. Proportionate to the part of the work then approved and passed by the Engineer-in-charge, whose certificate of such approval and a passing of the sum so payable shall be final and conclusive against the contract. All such intermediate payments shall be regarded as payment by way of advance against the final payment only and not as payments for work actually done or completed and shall not preclude the Engineer-in-charge from requiring bad, unsound, imperfect or unskillful work to be removed and taken away and reconstructed or re-erected nor shall any such payment be considered as admission of the due performance of the contract or any part thereof in any respect of the accruing of the claim nor shall conclude, determine or effect in any way the powers of the Engineer-in-charge as to the final settlement and adjustment of the accounts otherwise or in any other way, vary or affect the contract. The final bill shall be submitted by the contractor within one month of the date fixed for completion of work; otherwise the certificate of Engineer-in-charge of the measurement and of total amount payable for the work shall be final and binding on all parties.
8. **Payment to Contractors:** Unless otherwise specifically prescribed by the Engineer-in-Charge, the rates for several items of works estimated to cost more than **Rs.5,00,000/-** shall be valid only when the item concerned is accepted, having been completed full, in accordance with the sanctioned specification. In case, where the items of the work, are not accepted, as so completed the Engineer-in-charge, may make payment on account of such items at such reduced rates, as he may consider reasonable in the preparation of final or running accounts bills.
9. Bills shall be submitted by the contractor end of the work/ month on or before the date fixed by the Engineer-in-charge in two original copies.

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

**11. Extension of Time Limit in consequence of Addition or Alteration**

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

12. No compensation for alternation in or restriction of work to be carried out. If at any time, after execution of the contract documents the Engineer-in-charge shall, for any reason whatsoever, require the whole or any part of the work, as specified in the tender, to be stopped for any period or shall not require the whole or part of the work to be carried out at all or to be carried out by the contractor, he shall give notice in writing of the fact to the contractor who shall thereupon suspend or stop the work totally or partially as the case may be in any such case, except as provided here under the contractor shall have no claim to any payment or compensation what so ever on account of any profit or advantage which he might have derived from the execution, of the work in full but which he did not so derive in consequence of the full amount of work not having been carried out or on account of any loss that he may be put to on account of materials purchased or agree to be purchased or for unemployment of labour recruited by him. He shall not also have any; claim for compensation by reason of any alterations having been made in the original specification, drawings, designs and instructions which may involve any curtailment of the work as originally contemplated. Where however, materials have already been purchased or agreed to be purchased by the contractor before receipt by him of said notice, the Engineer-in-charge provided they are not in excess or requirement and are of approved quality and /or shall be compensated for the loss, if any, that he may put to in respect of materials agreed to be purchased by him. The amount of such compensation to be determined by the Engineer-in-charge whose decision shall be final. If the contractor suffers any loss on account of his having to pay, his labour charges during the period, during which the stoppage of work has been ordered under this clause the contractor shall on application be entitled to such compensation on account of labour charges as the Engineer-in-charge whose decision shall be final, may consider reasonable provided that the contractor shall not be entitled to any compensation on account of labour charges if, in the opinion of the University Engineer, the labour could have been employed by the contractor elsewhere for the whole or part of the period during which the stoppage of the work has been ordered as aforesaid.



- 13. No Claim For Variation In Quantities of Work:** Quantities shown in the tender are approximate and no claim shall be entertained for quantities of work actually executed, being either more or less up to any extent than those entered in the tender or less than those entered in the tender or estimate.
- 14. No Claim For Compensation for Delay in starting work:** No compensation shall be allowed for any delay caused into starting of work on account of acquisition of land and in the case of clearance for works or any delay in according sanction to estimates.
- 15. Entering upon or commencing any portion of work:** The contractor shall not enter upon or commence any portion of work except with the written authority or instructions of the Engineer-in-charge or his subordinate in charge of the work, failing such the contractor shall have no claim to ask for measurement or payment for work.
- 16. Method of Payment to contractors shall be made by A/c payee cheques provided the amount exceeds Rs.50/-.** Amount not exceeding Rs.50/- will be paid in cash. Generally payment may take 30 to 60 days after passing of bills depending on availability of fund.
- 17. Acceptance of conditions on tendering for work:**  
Submission to tender or acceptance of work order shall imply acceptance of these conditions of tender by contractor.

### **SPECIAL CONDITIONS: TECHNICAL**

1. Contractor shall be responsible for any accident or damage to road gutter, manholes, dustbins, water closet pipe line etc. or any inconvenience caused by contractor for which the necessary compensation shall be paid by the contractor or recovered from the bill as deemed fit by the University.
2. If required the work shall be continued during the extended period without any extra rate and its terms & condition. The time limit of the works shall be considered accordingly.
3. It is the responsibility of the contractor to get the work done satisfactorily by arranging sufficient manpower tool tackles materials etc. as per the requirement. For poor performance of the works, reduced rates shall be paid and necessary action shall be taken as per Corporation's rules.
4. The contractor or his authorized representative shall remain present during working hours and as per requirement.
5. Any description is left out in item the work shall be executed as per the instruction of Engineer-in-charge.
6. If work is not carried out by the contractor, it will be got done at risk and cost of contractor and amount along with 15% supervision charges will be recovered from the bill.
7. If any dispute arises the booklet of "TENDER AND CONTRACT FOR WORKS" may be referred and it will be treated as part of the contract.
8. Contractor has to carry out the items as per the requirement as and when required and if he fails to carry out the work as required, recovery will be made as per Corporation's rules.
9. Quantities of each item shown in the tender is approximate and may vary up to any extent No claim shall be entertained for quantities of work, executed being more or less than those entered in the Schedule-B of the Tender.
10. For Any extra items, the SOR rates or the Rate analysis/MR finalized by Gujarat University shall be paid to contractor. No extra claim shall be entertained of such items.
11. The rate only items shall be considered for tender evaluation and those items shall be operated by Gujarat University as and when required.
12. Work shall be carried out as per the priority given by Engineer-in-charge.
13. The rate of the tender is firm and no any price escalation shall be paid to the contractor, for the contract period & extended period if any.

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14. Look in to the urgency of the particular work. The Engineer-in-charge will instruct to take up and complete the particular job / work in specified time. Otherwise, to complete the work, Engineer-in-charge will arrange to execute the same without giving any notice or intimation to get the work executed through any other agency and recovery will be made as per University's rules.

**15. Contractor shall establish the following at the site:**

- a. A pucca godown for all necessary material requiring protection from weather
  - b. Site office manned with One Project Manager (Be. Civil with minimum 10 years of experience), Two site supervisors (BE/Diploma Civil with minimum 5 years of experience) and necessary office staff and infrastructure. The site office must be equipped with internet and communication facilities. Computers and printer with necessary software shall be made available at site by the contractors.
16. In addition to the above, the site office shall have a dedicated enclosed and well-furnished office-space for the PMC Engineer and a meeting space. Responsibility to keep the site neat and clean and providing it with all necessary security shall be of the contractor.
17. Bidder is sole responsible for Design execution of precast building as per the LATEST IS CODES AND GOVERNMENT GUIDELINES.
18. Bidder shall submit all architectural design for approval of architecture regarding look and necessity of building.
19. Bidder shall submit THIRD party stability certificate compiling all guidelines as per the requirements of Client/Consultant.
20. After completion of work bidder must submit all design data as well as stability certificate for USE .
21. FOR ABOVE SUBMISSIONS NO EXTRA COST WILL BE GIVEN.

**SPECIAL CONDITIONS FOR USE OF CEMENT IN WORK:**

1. The rates in Schedule-'B' are inclusive of cement cost. Contractor has to purchase fresh 43 / 53 grade cement confirming to as per IS 8112 -1991 or PPC (Fly ash Based) confirming to IS-1489 (Part-I) of approved brand by GUJARAT UNIVERSITY.
2. Contractor has to construct pucca godown at site of work so that cement bags be properly preserved to avoid damage due to any kind of weather. GUJARAT UNIVERSITY will in no way responsible for any damage, loss or theft of the same.
3. Contractor has to bring sufficient quantities of cement bags and at no time less than 200 (two hundred) bags to maintain progress of work. The work should not suffer for want of cement.
4. Cement should give the required strength of cement concrete.



5. To bring sufficient & timely cement at site is full responsibility of contractor. Nothing extra will be paid on account of any reason to maintain progress of works and to complete the works in schedule time.
6. Contractor has to submit material A/c consumption of cement used with every bill. In case of not submitting the same, bill will not be passed. Party has to submit the copy of cement / purchase bill along with each RA Bill/Final Bill.
7. Empty cement bags are not to be returned to the University and contractor will be allowed to take away with written permission from Engineer-in-charge.
8. Contractor is fully responsible for safety of cement at site; nothing will be paid extra on account of safety.
9. If GUJARAT UNIVERSITY's authorized representative wants to check cement stock at site, Contractor has to allow for the same at any time.
10. Contractor has to maintain day-to-day cement consumption balance account at site.
11. As far as possible, contractor has to maintain supply of cement of only one brand & grade throughout the work and on account of closer/shortage of approved brand, cement of other brand in accordance of condition No. (1) will be allowed by Engineer-in-charge .
12. Contractor will be allowed to carry out work only after physical verification of cement brought at site.
13. Contractor shall have to use PPC (Fly Ash based) preferably as per the relevant I.S. codes.
14. The cement consumption will be considered as per the standardized norms of state P.W.D. / GUJARAT UNIVERSITY and accordingly the required quantity of cement shall have to be brought by the contractor and has to use the cement accordingly. Contractor should not use less than the prescribed quantities of cement even in the case of mix design recommends lower quantity. Nothing will be paid extra for over consumption.

Engineer-in-charge  
GUJARAT UNIVERSITY

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## **DECLARATION FORM**

(To be submitted duly notarized on Rs 100/-Stamp paper)

I/We hereby declare that I/We have carefully studied the entire tender and condition of the contract, specification & other relevant documents of this work mentioned in the tender and abide by the same. Also I/We hereby and agree to execute the same accordingly.

I/We hereby abide to execute the contract agreement of the condition of the contract, specification & other relevant documents of this work or otherwise I/We will get copy of the same form the office of the tender inviting authority and the same will be acceptable to me /us. I/We hereby accept and confirm that any dispute on this regards shall not be entertained by the tender inviting authority.

I/We hereby declare that I/we have visited the work site and fully acquainted myself/ourselves with the local situation regarding materials, labor and other factors pertaining to the work before submitting this tender.

I/We hereby confirm that our offer is Un-conditional and without any technical & commercial deviations.

Signature of Contractor  
Names

Seal,  
Detail address



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## Schedule for Testing of Materials

For ensuring quality control and workmanship, various test prescribe below corresponding to the material concerned shall be taken as periodic intervals as stipulated below be taken. The Material shall be got tested Govt. recognized Laboratory (R & B) or field Laboratory of GERI (R & B).

Item No. as per Sch. B	Brief Description of Materials to be tested	Qty. of Material	Prescription of test which shall be carried out	Frequency @ which test shall be carried out	Total No. of Test to be taken
1.	Coarse aggregate (metal, kapchi, gravel)		<ul style="list-style-type: none"> <li>- Gradation test</li> <li>- Impact Value</li> <li>- Flakiness Index</li> <li>-Abrasion test</li> </ul>	CMT 1 to 100 – 1 test 100 to 500 – 3 tests 500 to 1500 – 5 tests 1500 to 5000 – 7 tests	
2.	Grit		<ul style="list-style-type: none"> <li>- Gradation test</li> <li>- Impact Value</li> <li>- Flakiness Index</li> <li>-Abrasion test</li> </ul>	CMT 1 to 100 – 1 test 100 to 500 – 3 tests 500 to 1500 – 5 tests 1500 to 5000 – 7 tests	
3.	Sand		<ul style="list-style-type: none"> <li>- Special gravity</li> <li>- Water absorption</li> <li>- Fineness Modulus</li> <li>- Silt – Content</li> <li>- Soundness</li> <li>-Gradation test</li> </ul>	1 test per 150 cum	
4.	Tiles		<ul style="list-style-type: none"> <li>- Dimension Test</li> <li>- Transverse strength</li> <li>- Water Absorption</li> <li>- Abrasion Test</li> </ul>	1 test per 2000 tiles	
5	Bricks		<ul style="list-style-type: none"> <li>- Water absorption</li> <li>- Effluence</li> <li>- dimension and tolerance</li> <li>- Comprehensive Strength</li> </ul>	1 Test per 50,000 Bricks	
6	Steel		<ul style="list-style-type: none"> <li>- Tensile Strength</li> <li>- Yield Stress</li> <li>- Elongation</li> </ul>	1 test per 40 tonnes per category	

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			- Size		
7	C.C. Cube test 1:2:4		- Compressive Strength	1 to 5 Cum. 1 No. 6 to 15 Cum. 2 Nos. 16 to 20 Cum. 3 Nos. 21 to 50 Cum. 4 Nos. 51 & Above Cum. 4 + 1 for each Cum or part thereof	

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## **SPECIAL CONDITIONS OF THE WORK**

1. The agency shall take all the required safety measures and observe all safety rules while carrying the above excavation works etc. to avoid any type of accident and damage. The contractor shall be held fully liable and responsible for any type of accident, injury, damage and loss etc. if occur at site till the completion of work.
2. The Gujarat University can split up this work by entrusting the orders to two or more agencies by splitting the quantities of items of the schedule –B in any proportion, at its own discretion at any time or delete one or more items as per the requirement. No any claim in any way will be entertained from contractor.
3. The contract shall be deemed to have carefully examined the site. The contractor should be deemed to have fully aware with the local site conditions & sounding structures and also all the terms & conditions scope drawings etc. Attached herewith. The bidders are ADVISE to visit the site, inspect the existing location of executing the work before quoting the rates. Any extra claims for extra items, rates etc. for any reason will not be entertained after acceptance of contract bid.
4. The rates are inclusive of all type of laborers, tools, tackles, equipment's, machineries, removed materials category wise, their protection, preservation, storing, loading, unloading, transporting for all leads lifts & elevations height/depths and inclusive of all risks & all liabilities, providing all safety precautions, Insurance, securities, site cleaning leveling dressing the sites etc. required for completion of the work in all respects.
5. The required labour licenses, permission of the Govt. authorities and insurances policies to be taken by the contractor in advance at no extra charges.
6. The responsibility and liability of manpower to be engaged for this work will be totally of contractor who has been awarded this contract and he will take away all these manpower in his own establishments on completion of this contract. The GUJARAT UNIVERSITY will not be held any responsible and liable in any way in the matter
7. **SPECIAL CONDITIONS FOR HEALTH, SAFETY & ENVIRONMENTAL NORMS**  
(Referred to as HSE norms)

The complete responsibility of compliance of health and safety of all the “persons at site” and all issues connected with environmental laws as well as pollution at site is placed on the contractor for which no additional amount shall be paid.

There shall be no vicarious liability on Gujarat University or any of its officials or the consultants or PMC agencies for any violation of any HSE provisions provided in Indian Standard Code, National Building Code, Local authority statutory provisions for HSE and any other specific HSE parameters related to work. HSE manager and contractor/s shall remain solely and wholly liable for any such violation and its civil or criminal liabilities.

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The “persons at site” shall include entire workforce as well as outsiders, visitors, by-standers and all other persons who are affected by any activity taking place at site.

Contractor shall appoint/nominate a representative from his end who shall be solely held responsible for all HSE related activities. This appointee shall be identified as HSE manager.

Contractor shall ensure that HSE manager appointed by him is completely aware of all health, safety & environmental protection procedures provided in Indian Standard Code, National Building Code, Local authority statutory provisions for HSE and any other specific HSE parameters related to work being undertaken in the project. It shall be COMPLETE and nontransferable responsibility of the HSE manager to ensure that all HSE procedures provided in Indian Standard Code, National Building Code, Local authority statutory provisions for HSE and any other specific HSE parameters related to work are followed.

Contractor agrees that he is aware of and is instructed regarding HSE procedures provided for under the Indian Standard Code, National Building Code, Local authority statutory provisions for HSE and any other specific HSE parameters related to work and it is his responsibility to follow them to the word. If any violation of any HSE rules, laws, codes or measures is observed, contractor shall be solely responsible for negligence.

In case of any activity taken up at site that causes damage or loss the a person or property or causes injury or death of a living being; and the cause of accident is identified or adjudged to be negligence of any HSE procedure or violation of any HSE procedures provided in Indian Standard Code, National Building Code, Local authority statutory provisions for HSE and any other specific HSE parameters related to work, contractor and his safety manager shall be held sole responsible for the same.

In the case of any event that results in damage or loss the a person or property or causes injury or death of a living being, contractor shall not be able to seek protection under not-being-informed or instructed regarding HSE procedures provided in Indian Standard Code, National Building Code, Local authority statutory provisions for HSE and any other specific HSE parameters related to work, as he has been explicitly and specifically informed to follow all HSE procedures provided in Indian Standard Code, National Building Code, Local authority statutory provisions for HSE and any other specific HSE parameters related to work from time to time and is made solely responsible to implement them.

Apart from general HSE measures, contractor is made aware of the safety to be followed during excavation work, especially the danger of collapse of excavated earth of the excavated pits and is expected to follow all safety procedures provided in Indian Standard Code, National Building Code, Local authority statutory provisions for safety and any other specific safety parameters related to work to safe-guard against such accidents.

Apart from general HSE measures, contractor is made aware of the safety procedures to be followed during removal of formwork, especially the danger of collapse of formwork members as well as failure of structural members and is expected to follow all safety procedures provided in Indian Standard Code, National Building Code, Local authority statutory provisions for safety and any other specific safety parameters related to work to safe-guard against such accidents.

Apart from general HSE measures, contractor is made aware of the safety procedures to be followed while working at a height, especially the danger of falling and is expected to follow all safety procedures provided in Indian Standard Code, National Building Code, Local authority statutory provisions for safety and any other specific safety parameters related to work to safe-guard against such accidents.

Apart from general HSE measures, contractor is made aware of the safety procedures to be followed to prevent people from falling into pits, holes, bore-wells, lift-shafts, duct or any other location falling from which can result in injury or death and is expected to follow all safety procedures provided in Indian Standard Code, National Building Code, Local authority statutory provisions for safety and any other specific safety parameters related to work to safe-guard against such accidents.

Apart from general HSE measures, contractor is made aware of the safety procedures to be followed during use of hazardous materials and is expected to follow all safety procedures provided in Indian Standard Code, National Building Code, Local authority statutory provisions for safety and any other specific safety parameters related to work to safe-guard against such accidents.

Apart from general HSE measures, contractor is made aware of the safety procedures to be followed while using mechanical and electrical equipment and is expected to follow all safety procedures provided in Indian Standard Code, National Building Code, Local authority statutory provisions for safety and any other specific safety parameters related to work to safe-guard against such accidents.

Apart from general HSE measures, contractor is made aware of the safety procedures to be followed to prevent electrical shock leading to injury or death and is expected to follow all safety procedures provided in Indian Standard Code, National Building Code, Local authority statutory provisions for safety and any other specific safety parameters related to work to safe-guard against such accidents.

Apart from general HSE measures, contractor is made aware of the safety procedures to be followed during stacking, storing, placing or keeping of material or tools or equipment which can result in injury or death by falling or causing obstruction and is expected to follow all safety procedures provided in Indian Standard Code, National Building Code, Local authority statutory provisions for safety and any other specific safety parameters related to work to safe-guard against such accidents.

Apart from general HSE measures, contractor is made aware of the safety procedures to be followed while storing water or any other liquid that can lead to injury or death due to drowning and is expected to follow all safety procedures provided in Indian Standard Code, National Building Code, Local authority statutory provisions for safety and any other specific safety parameters related to work to safe-guard against such accidents.

If contractor or his HSE manager becomes aware of a situation or instruction that can or may lead to a HSE procedure violation, he shall not execute the instruction. He shall make a written representation of the HSE issue and shall execute the work only on receiving a written consent to do so. If written consent is not sought and instruction is executed, contractor shall be solely responsible for the HSE procedure violation.

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**Annexure - i**  
**CONTRACT AGREEMENT**

This agreement is made on the \_\_\_\_ day of \_\_\_\_ month, \_\_\_\_ year between the registrar Gujarat University, Ahmedabad (Hereinafter called “the employer”)

And,

M/s, \_\_\_\_\_

(hereafter called “the contractor “ on the other part”)

PAN Card No: \_\_\_\_\_

Address: \_\_\_\_\_

Hence forth to be referred to as “\_\_\_\_\_ (name of contractor)” or “contractor/s” or “agency”

The said agreement is put in place for the specific and limited purpose of construction/renovation of \_\_\_\_\_ as per the tender ID no: \_\_\_\_\_ and all its binding and operative parts that was duly participated in by the contractor and is awarded the contract.

It is a non-transferable agreement.

This contract is part of the agreement for the construction/renovation of \_\_\_\_\_ along with all the parts of tender document (Technical bid, P.Q. documents, Price bid, specifications, schedules, Drawings) and subject to all the laws, statutes, rules, regulation and any other state or center directives from time to time that shall, if need be, ONLY as per the interpretation of Vice-Chancellor Gujarat University, supersede any/all conditions of this agreement.

Whereas the Employer is desirous that contractor execute

(Hereinafter called “the Works”.) and the employer has accepted the bid by the contractor for the execution and completion of such work at a cost of \_\_\_\_\_ Rs. (in Figure),(in words) \_\_\_\_\_

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**NOW THIS AGREEMENT WITHLESS AS FOLLOWS**

1. In this agreement words and expression shall have the same meaning as are respectively assigned to them in the condition of contract hereinafter referred to, and they shall be deemed to form and to be read and confused as part of this agreement.
2. In consideration of the payments to be made by the employers to the contractor as hereinafter mentioned the contractor hereby covenants with the employer to execute and complete the works and remedy any defects there in conformity in all aspects with the provision of the contract.
3. The employers hereby covenants to pay the contractor in consideration of the execution and completion of the works and the remedy the defects wherein contract price or such other sum as may become payable under the provision of the contract at the times and in the manners prescribed by the contract.

Read, understood, agreed to and signed by

Authorized representative of Gujarat University

M/s \_\_\_\_\_

Authorized representative of \_\_\_\_\_

M/s \_\_\_\_\_

DATE: \_\_\_\_\_

PLACE: -----



# **Gujarat University**

## **Part II: Financial Bid**

Tender No: GU/ESTATE/LBR/2017-18/01

**Tender Document  
For**

**Construction Work of New Library Building at Gujarat  
University.**

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## SCHEDULE "B"

### A - Civil Work

Item no	Item of Work	Quantities estimated but may be more OR less	Unit	Estimated Rate	Total amount according to estimated quantities
1	<b>Excavation for foundation upto 1.5 m depth</b> including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	1151.00	Cumt	67.87	78118.37
2	<b>Excavation for foundation for depth from 1.5 m to 3.0 m</b> including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(B) Danse or Hard soil	1151.00	Cumt	94.13	108343.63
3	<b>Excavation for foundation for depth from 3.0 m to 5.0 m</b> including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(B) Danse or Hard soil	771.00	Cumt	101.00	77871.00
4	<b>Carrying out plinth pre treatment</b> /existing structure by spreaying chemical solution for termite control tratment including labour and material consistant with I.S.I. specification construction	582.00	Smt	67.27	39151.14
5	<b>Filling available excavated earth</b> (excluding rock) in trenches plinth, sides of foundations etc. in layers not exceeding 20 cm. in depth consolidating each deposited layer by ramming and watering.	2818.00	Cumt	79.79	224848.22
6	Filling in foundation and plinth with murrum or selected soil in layers of 20 cm. thickness including watering, ramming and consolidating etc. Complete.	582.00	Cumt	288.86	168116.52
7	Filling in plinth with sand under floors including watering, ramming, consolidating and dressing etc. completed	96.00	Cumt	401.98	38590.08
8	<b>Providing and laying cement concrete 1:2:4</b> (1 cement : 2coarse sand :4 graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork in(A) Foundation and plinth	265.00	Cumt	3215.84	852197.60
9	Providing and laying in position <b>Ready Mixed M-250 grade concrete</b> for reinforced cement concere work , using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) (Cement level 450 kg)	507.00	Cumt	4238.04	2148686.28

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10	Providing & laying in position <b>Ready Mixed M-250 grade concrete</b> for reinforced cement concrete work, using cement content as per approved design mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mixed design of specified grade for reinforced cement concrete work including pumping of R.M.C from transit mixer to site of laying, excluding the cost of centering, shuttering, finishing and reinforcement including the cost of admixtures in recommended proportions as per I.S: 9103 to accelerate / retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge Without Fly Ash (Minimum cement level as per latest I.S: 456 shall be maintained) (Cement Level 450 kg per cum.)	1216.00	Cumt	4238.04	5153456.64
11	Providing TMT Bar FE 415 reinforcement for R.C.C. work including cutting, bending, binding and placing in position comp. upto all floor level.	292885.00	Kg	46.97	13756808.45
12	<b>Providing formwork with sheeting of steel sheets</b> so as to give a rough finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. in Foundations Footings Bases of Columns etc. and Mass concrete , Up to Plinth Level	1306.00	Sqmt	267.65	349550.90
13	<b>Providing formwork</b> with sheeting of steel sheets so as to give a rough finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. in Foundations Footings Bases of Columns etc. and Mass concrete , Slab,cantilevers,bracket etc, Above Plinth Level	8802.00	Sqmt	267.65	2355855.30
14	Brick work using common burnt clay building bricks having crushing strength not less than 35kg/Sqcm. in foundation and plinth. In cement mortar 1:6 (1 cement : 6 fine sand) ( B ) Conventional completed as per technical specification - Up plinth Level.	89.00	Cumt	2825.98	251512.22
15	<b>Brick work</b> using common burnt clay building bricks having crushing strength not less than 35kg/Sqcm. in all floor level In cement mortar 1:5 (1 cement : 5 fine sand) completed (B) conventional as per specification- Above plinth Level	569.00	Cumt	3087.57	1756827.33
16	<b>Half Brick masonry</b> using common burnt clay building bricks having crushing strength not less than 35kg/Sqcm. in all floor level in cement mortar 1:4 (1 cement : 5 fine sand) completed (B) conventional as per specification	674.00	Sqmt	454.50	306333.00
17	<b>Providing 15 mm. thick cement plaster</b> in single coat on fair side of brick wall for interior plastering upto all floor level finished even and smooth in [I] Cement mortar 1:4 (1 cement : 4fine sand) Inside Plaster.	1576.00	Sqmt	144.43	227621.68

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18	<b>Providing 10mm. Thick cement plaster</b> in single coat on ceilings and soffits of stairs for interior plastering up to all floor level finished even and smooth in cement mortar 1:4 ( 1 cement :4 fine sand).	3294.00	Sqmt	134.33	442483.02
19	<b>Providing 20 mm. thick sand faced cement plaster</b> on wall upto All Floor level consisting of 12mm thick backing coat of c.m. 1 : 3 (1 cement : 3 sand) and 8 mm thick finishing coat of c.m. 1 : 1 (1 cement : 1 sand) etc. complete	1805.00	Sqmt	196.95	355494.75
20	Providing 20 mm thick double coat mala cement plaster on interior brick/ concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 ( 1 Cement : 2 coarse sand) finished with trowel including scaffolding curing etc. complete. up to all floor level	1131.00	Sqmt	219.17	247881.27
21	<b>Providing &amp; Fixing the Chickenmesh - 20 guage</b> (Crimp Jali) of approved size applying between the RCC and masonry junction in proper line, level and plumb with all material, labour, tools, tackles and equipment. Including providing and fixing the jali with nails, etc complete as directed by the site-in-charge	1677.00	Sqmt	38.38	64363.26
22	Providing and applying texture paint (flat texture /synthetic paint) of approved make on any height. The rate including applying one brush coats of Primer, on prepared surface final required coat of semi gloss medium textured flexible coating with crack bridging up to 2.6 mm and voc content less then 100g/l, required scaffolding, jhulaa, tools and labour. the texture material shall be pure Acrylic, Environment friendly, protect against salt and carbon dioxide, with excellent anti-carbonation, UV Resistance, Moisture vapour transmission coating with third party test certificate applied up to 140 microns DFT.	1131.00	Sqmt	454.50	514039.50
23	<b>Providing and applying wall Painting</b> with applying two coats of birla or asian acrylic lapy (putty) & two coats of primer of approved brand and manufacture on new wall and two coats of <b>emulsion plastic paint</b> of approved brand over existing surface to give an even shade & surface free from mortar dropping & other foreign matter & sand papered smooth etc. comp.	4860.00	Sqmt	98.17	477106.20
24	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials.etc complete	1805.00	Sqmt	72.72	131259.60
25	Providing & laying polished kota stone slab flooring over 20mm. thick cement mortar 1:6 (1 cement :6 Coarse Sand ) and jointed with gray cement slurry including rubbing and polishing complete. (A) 25mm thick	35.00	Sqmt	776.69	27184.15
26	<b>Providing and laying polished kota stone slab 25 mm thick</b> in risers of steps, dado and pillars laid on 10 mm thick cement mortar 1 : 3 (1 cement : 3 coarse sand) and jointed with gray cement slurry including rubbing and polishing etc. complete	12.00	Sqmt	954.45	11453.40

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27	<b>Providing and laying Granite Slab 18mm thick</b> in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:6 (1-Cement : 6-Coarse Sand) finishing with full molded round edges, flush pointing in white or colour cement.	146.00	Sqmt	2698.72	394013.12
28	<b>Providing and laying polished Granite Slab 18mm thick</b> in Risers of steps Dedo, window sill, jembs and pillars laid 10mm thick Cement Mortar 1:3 (1-Cement : 3-Coarse Sand) and jointed with Grey Cement Slurry including full molded round front edges , rubbing and polishing etc. complete.	631.00	Sqmt	2716.90	1714363.90
29	Providing and laying <b>ceramaic flooring tiles in flooring</b> , treads of steps & Landing laid on a bed of 12 mm thick cement mortar 1:3 (1 Cement : 3 Coarse sand) finished with flush pointing in white or colour cement complete.	341.00	Sqmt	669.63	228343.83
30	providing and laying <b>coloured glazed tiles</b> of the size 300mm x 200mm x 8mm/ 300mm x 450mm x 8mm in skirting, risers of steps and dedo on 10mm. Thick cement plaster 1:3 (1 cement : 3 coarse sanf) & joined with white and color cement slurry.	3098.00	Sqmt	915.06	2834855.88
31	Providing and Laying 24" x24" full body double charge Vitrified glossy 8 mm thick tiles flooring over 20 mm (average) base of cement mortar 1:6 (1 cement : 6 corse sand ) or L:M 1:1.5 laid on a new surface or fixing on existing flooring by adhesive material including dismentling of existing flooring and jointed with colour cement slurry including finished with flush pointing & cleaning the surface etc.complete.Colour and shade as approved by architect. for Antiskied/Dark/Light Shade	2643.00	Sqmt	809.01	2138213.43
32	Providing & laying Vitrified tiles 8 to 10 MM thick 24"x24" in skirting, riser,of step and dedo on 10 mm thick C.P. 1:3 (1 Cement : 3 Coarse sand ) & jointed with white cement slurry.	116.00	Sqmt	787.80	91384.80
33	Providing and filling with good quality <b>Cinder</b> (steam coal) as directed by engineer in charge in sunks in layers of 15 cm thk, including watering, placing, ramming well etc. as directed.	135.00	Cumt	454.50	61357.50
34	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 <b>two track/ openable</b> 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 Sectio no:8758 @ wt.of 0.0.659 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 th trans- -parent 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.	368.00	Sqmt	2042.22	751536.96

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35	Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 95mm x 24mm x 1.17mm (of Jindal Section no:2459 @ wt.of 0.738 Kg/mt), horizontal <b>Three track/openable</b> member size 92mm x 31.75mm x 1.30mm (of Jindal Section no:8688,@ Wt.1.07 Kg/mt), vertical member of size 92mm x 31.75mm x 1.50mm (of Jindal Section no:8933,@ Wt. 1.06 Kg/mt) with sliding shutters of horizontal member size 40 mmx18mm x1.29mm (of Jindal Section no:8947@ wt.of 0.456 Kg/mt), vertical member of size 40mm x 18mm x 1.29 mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt/ with 5 mm th transparent bronze colour tinted float glass with powder coated aluminum fittings & fixtures and transparent silicon sealant glass fixing to frame as per details etc	140.00	Sqmt	1889.71	264559.40
36	Providing & Fixing standard extruded of aluminium section of size 63.50x38.10x1.95mm(of jindal Section no:4605,@ Wt 1.094kg /rmt with colour anodize aluminium frame with 5mm thick transparent bronze colour tinted float glass as detail etc complete for Fix Window	11.00	Sqmt	1820.02	20020.22
37	Pro.& Fixing standard extruded of aluminium section of size 63mm x 38.10mm x 1.2 mm(of jindal Section No.2434, @ Wt 0.643 kg/Rmt) with colour powder Coated aluminium frame for Ventilation with 5 mm thick frosted glass as detail etc complete for Ventilation.	95.00	Sqmt	1399.86	132986.70
38	Providing and fixing Structural Glazing with using the 17 Micron anodised of approved colour aluminium section as transium, mullium of size 63.5mm x 38.1mm x 2 mm and sub frame of size 25mm x 50mm 1.6mm thick all colour anodized of 15 microns. with using 5 mm thick toughened super silver grey or. equivalent glass and fixed with silicone sealant and spacer tap and at corner sealed neoprene foam dust and Air sealed gasket mirrored including scaffolding etc.complete with all necessary fitting and fixtures for openable window as per Architectural drawing.	330.00	Sqmt	3641.05	1201546.50
39	Providing and fixing M.S. grill of required pattern of windows etc. with M.S.. flats at required spacing and frame around square or round headed bolts and nuts or by screws.including applying a priming coat of red lead paint and two coats of oil painting etc complete (A)Plain grill	11458.00	Kg	69.69	798508.02

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40	Providing and fixing flush door both sides laminated and I.T.W. beading all around by using I.T.W. frame 120 m.m. x 80m.m.. shutter fabricated from 35 mm thick solid core malemine faced three layered pre laminated flat pressed wood based exterior grade bonded BWP/BWR synthetic resin having stamped IS 12823 grade I type II including three coats of lacquer polishing to exposed wooden surfaces and Stainless steel decorative type designs fixtures / fastening 2Nos. Handles, 2Nos. Aldrops, towerbolt etc. including I.T.W. triangular batten patti of size 30m.m.x30m.m.etc. as per architectural detailed drawing and as directed by engineer in charge.	138.00	Sqmt	4862.14	670975.32
41	Providing and fixing FRP FRAME size 100 x 50mm and 28mm thick FRP depress pannel shutter having extra reinforcement on sides and edges and in gel coat finish. The core of the shutter & frame is to be filled up with injected fire retardent grade polyurethane foam done in situ along with embedded wooden places for stiffening and also for tacking hinges and fixture. The hole FRP frame and shutter is to be water proof, water proof, termite proof and resistance to mild acid/Alkali. Rates are to be inclusive of S.S hinges with necessary screws and Alluminium fixture and fastening & fastener sleeve.	111.00	Sqmt	3315.83	368057.13
42	Providing & fixing Steel work welded, in built up sections framed work including cutting, hoisting, fixing in position and with one coat primer & two coat oil paint as per detail drawings etc. complete. in columns, beams and joists, channels M.S. flat, Angles, Pipes, tees flats with connecting plates or angle cleats STRUCTURAL STEEL at any lead and lift etc. complete. As directed by EIC.	3210.00	Kg	59.59	191283.90
43	Providing and laying water proofing treatment on terrace/toilet including (a) Applying neat cement slurry 2.75 Kg./Smt. of cement admix with water proofing compound after cleaning the surface (b) laying cement concrete using brick bats 25mm to 100mm size with 50% cement mortar 1:5 (1 cement : 5coarse sand) admixed mortar proofing compound over 20mm thick layer of cement mortar 1:5 to required slope including rounding of junctions of walls and slabs (c) after two days of proper curing applying a second coat of cement slurry, finished the surface with 20 mm thick C.M. 1:4 china mosaic flooring and finally finished surface with terrace shall be finished with water for a period of two week. with 5 year stemp paper geranty.	962.00	Sqmt	404.00	388648.00
44	providing and laying brocken chine mosaic flooring for terrace using 12mm to 20mm brocken pieces of glazed tiles to be laid over cement mortar 1:3 to plin or slope and to be tempered to bring mortar crème out up to surface using white cement including rounding of juctions and extending them up to 15 cm along the wall clearing with water and oxalic acid etc. directed.	686.00	Sqmt	483.79	331879.94

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45	Fabricating, supplying and fixing in position SS railing for staircase and balcony with brush finish and 304 grade as per Indian Standard and detailed drawing including grinding, cleaning and filling the welded spots with SS finish (Only Length will be paid for payment height max.1.0 mt.). The Work to be executed as per consultant drawing .	50.00	Rmt	3030.00	151500.00
46	Fabricating, supplying and fixing in position SS daso for staircase and balcony with brush finish and 304 grade as per Indian Standard and detailed drawing including grinding, cleaning and filling the welded spots with SS finish (Only Length will be paid for payment ). The Work to be executed as per consultant drawing .	100.00	Rmt	1706.90	170690.00
47	Providing M-250 controlled cement concrete road using Trimix vacuum dewatering system with mixing Conplast P-211 (water reduction concrete admixture) @ 100 ML per bag of cement with mixing of Recon 3S fibers (reliance product) at 125 gms per bag of cement with providing and fixing & removing of "C" channel having 75 x 75 mm as per required level slope and thickness of concrete and leveling and finishing the concrete using surface vibrator, power floater and trowel light brooming on as directed including making expansion joint of size 20 x 200 mm & filling the expansion joint using Colpar 200 as per manufactures specifications by cutting of joint using concrete cutter machine etc. complete.	33.00	Cumt	4529.85	149485.05
48	Providing and fixing pre-cast Rubber Dye inter locking concrete block 60mm thick with grade of concrete M200 pneumatic compressed by mechanically pressed and as per approved design including 75mm Sand layer for levelling and filling the joint with sand in proper line and level etc. complete	163.00	Sqmt	613.07	99930.41
49	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length,30cm height and 15cm thick of M250 grade concrete as per approved design and including excavation for fixing in proper line and level, filling the joint with C:M 1:3 (1cement: 3-fine sand) etc complete	112.00	Rmt	241.39	27035.68

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50	Constructing of Under Ground water tank with Providing and laying controlled cement concrete M250 mix for R.C.C. work including reinforcement, boxing, centering,vibrating, curing and mixed with approved water proofing cement compound or "CEMWET" or "PIDICRETE LW" integral water proofing admixture as water proofing agent to be mixed with 50 kgs. bags shall be as recommended by the manufacture of the water proofing material, concrete work for top, bottom slab & side pardi for under ground water tank item incl. Necessary excavation & refilling the available earth, 15 cm thk 1:2:4 for bedding of concrete, 20 mm thk. water proofing cement plaster in C.M. 1:3 with smooth finishing & Glazes tile Dedo, vata, watering etc. Comp. to all face of tank . including locking arrangement outlet, inlet, overflow and washout outlet pipe arrangement as necessary & C.I. Cover 0.60 x 0.45 weight not less then 35 kg with locking arrengment. etc. comp as per structural drawing Including Steel & as directed by Eng-in-charge.	15000.00	Lit	6.06	90900.00
	<b>Total Amount of A- Civil work</b>				<b>43437229.20</b>
	<b>Say Total Amount A- Civil work</b>				<b>43437300.00</b>

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## B- Plumbing Work

Item no	Item of Work	Quantities estimated but may be more OR less	Unit	Estimated Rate	Total amount according to estimated quantities
1	Providing and fixing white glazed vitreous chinaware Sets for the Paraplegic of Hindustan make Cat No 70003 Matrix set-2 - Wash Basin 450mm x 280 mm Including Bottle Trap,Waster Coupling with one pair mounting brackets, EWC and Cistern complete with fittings and seat cover, hinged rail of 76 cms, four (4 nos) of grab rails of 60 cms and one no. of faucet for wash basin with all required hardwares etc. complete with integral 'P' or 'S' trap including cutting and making good the wall and floor as under with supported on CI wall brackets. or Cera make Crane Serier Cat No 7011 Crane EWC (concealed 'P' trap) 740 x 520 x 835 mm,7111 Cistern,7311 Seat Cover,7211 Internal Fittings,7707 Wash Basin 450 x 300 mm including Bottle Trap,4 grab bars, 4 Hinged rail of 76 cms & 1 faucet with spatula lever,complete with integral 'P' or 'S' trap including cutting and making good the wall and floor as under with supported on CI wall brackets Complete requirement as per drawing,BOQ,Specification & as directed by EIC/ARCHITECT.(For Handicape Toilet)	12.00	Nos.	31390.295	376683.54
2	Providing and fixing ( Wall hung ) wash down water closet (European type W.C pan) of size 535 X 380 X 400 mm with integral P or S trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement : 1 fine sand) (including seat cover, ) (A) Vitreous China (I) Long pattern colour. including all material and labour etc. complete as per drawing,BOQ,Specification & as directed by EIC/ARCHITECT.	48.00	Nos.	2506.82	120327.36
3	P & F 20 mm chromium plated brass Health faucet with 1000 mm flexible pipe and necessary accessories, Fixing and approval of engineer incharge	24.00	Nos.	1355.42	32530.08
4	Wash Basin ( Counter top ) P & F Wash basin code No.1032( Concord) of Cera make or of approved quality and as approved by engineer incharge with single hole in GRANITE Including cutting holes and making good the same with fittings(A ) size of W.B. 550 X 425 mm counter top in white/colour as directed by engineer incharge. Th erate inclsize of bottol trap,Waste pipe Brass coupling 15 mm dia stop cock, 15 mm dia Pillar cock connection pipe/ Bottal trap etc complete.	24.00	Nos.	1946.27	46710.48
5	Providing and fixng screw down bib taps chromium plated of followingsize (A) Brass screw down bib tap polished bright (I) 15 mm diameter.withnecessary concealed fitting and cover panel. all the damagees incurred while fixing shall be repaired to the satisfaction of engineer incharge. Bib cock shall be as approved by Engineer in charge, & as directed by EIC/ARCHITECT.	90.00	Nos.	1010	90900.00

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6	P & F urinal of approved quality including connecting the urinal with waste pipe, trap and with integral longitudinal flush pipe etc complete (A) Squatting pattern White/colour earthenware size 550mmx300mm including stop cock, wastecoupling,pvc connection, waste pipe etc complete with all labour and material	54.00	Nos.	1295.83	69974.82
7	Providing and fixing 600 mm x 450 mm bevelled edge mirror of superior glass mounted on 6 mm thick A.C sheet or plywood sheet and fixed to wooden plugs with C.P brass screws (B) 600 mm x 20 mm size. Complete requirement as per drawing,BOQ,Specification & as directed by EIC/ARCHITECT.	24.00	Each	585.8	14059.20
8	Providing and erecting water cooler having storage capacity 80Ltr. & cooling capacity 40 Ltr.per hour @ an ambient temp of 450 C. The outlet temp. of the water should drop by 150 C within a hour, The water cooler should be comprising of hermetically sealed compressor, fan motor, condensing unit, water tank surrounded by evaporating coil, thermostats, relay etc. complete with necessary inlet & outlet connection. The body of water cooler will be made from Stainless Steel.Including all connection with water line.with all material Complete requirement as per drawing,BOQ,Specification & as directed by EIC/ARCHITECT.	6.00	Nos.	36360	218160.00
9	Supplying & erecting 5 stage single reverse osmosis water purification system with M.S. powder coated frame, prefilter housing with 'O' ring presediment filter GAC filter, carbon filter suitable buster DC pump capacity 80 psi, mention with 40 Osg inline type post carbon filter auto low & high pressure switches with following size of storage tank & 25 LPH capacity & erected as directed with one year comprehensive maintenance guarantee. [B] 25 Ltr / Hr with 30 Ltr. S.S. Pressure Tank Complete requirement as per drawing,BOQ,Specification & as directed by EIC/ARCHITECT.	6.00	Nos.	14039	84234.00
10	Providing and fixing toilet paper holder (A) C.Brass. .Complete requirement as per drawing,BOQ,Specification & as directed by EIC/ARCHITECT.	60.00	Nos.	386.83	23209.80
11	Providing and Fixing concealed center point to wall ceiling & floor CPVC (SOR 13.5) PIPE having National sanitation Foundation (NSF) seal for portable water of following dia. Nominal bore tube fitting and clamps including making good the wall ceiling and floor etc. complete (A) 15 mm	177.00	Rmt	132.31	23418.87
	Do 25mm	462.00	Rmt	172.71	79792.02
	Do 40mm	90.00	Rmt	413.09	37178.10
	Do 50mm	60.00	Rmt	641.35	38481.00

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12	Providing laying and jointing in true line and level 160mm diameter U.P.V.C. SWR Type B pipe conforming to IS 13592-1992 with one end plain and other end socketed with rubbering, & fitting conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 160 mm diameter x 210 mm length x 196 mm high at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pies and joints and jointed with adhesive solvent cement including cost of all materials	230.00	Rmt	928.19	213483.70
13	Providing laying and jointing in true line and level 110mm diameter U.P.V.C. SWR Type B pipe conforming to IS 13592-1992 with one end plain and other end socketed with rubbering, & fitting conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 160 mm diameter x 210 mm length x 196 mm high at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pies and joints and jointed with adhesive solvent cement including cost of all materials	188.00	Rmt	530.25	99687.00
14	Providing and fixing to wall ceiling and floor 10.0Kg.F/Cm2 working pressure poluthene pipes of the following outside Dia. Low density, complete with special falnge compression type fittings, wall clips etc. including making good the wall ceiling and floor.(G)110 mm	230.00	Rmt	321.18	73871.40
15	Providing and fixing UPVC SWR Nahni trap of the following nominal dia self cleaning design with top tiles and stainer including cost of cutting and making good the walls and floor 100mm inlet and 50mm outlet including 150mm X 150mm stainless steel jali with grating etc complete ISI 14735 for drain - 100mm Diameter with jali of the following nominal diameter of self cleansing design with C.I screed down or hinged grating including the cost of cutting and making good the walls.	60.00	No.	362.59	21755.40
16	Providing & Fixing S.W Gully trap with C.I grating brick Masonary chamber & Water Tight C.I cover with frame of 300x300 mm size inside with standard Weight (I) square mouth trap @ 150mm x100mm Size of P or R Type.	10.00	Set	1239.27	12392.70
17	Providing & Fixing in Position UPVC/SWR cowel vent to Pipe 160mm dia as Directed.	8.00	Each	690.84	5526.72
18	Providing & Fixing in Position UPVC/SWR cowel vent to Pipe 110mm dia as Directed.	8.00	Each	589.84	4718.72
19	Stop Tap 15mm Dia Providing and Fixing stop cock with Necessary Concealed Fittings and Cover Panels.All The Damages incurred while fixing shall be repaired to the satisfaction of the Engineer in Charge angular Stop Cock shall be as approved b Engineer in Charge.	90.00	Each	1010	90900.00

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20	Providing & Fixing Ball Cock of Approved Quality as Directed.(A) Copper Metal (ii) 50 mm dia	4.00	Each	221.19	884.76
21	Supplying & installing Brass Handle Ball Valve conforming to IS 778, of RB, Italy or equivalent. Ball valve must be having screwed ends. The ball valve should be with stand with maximum pressure up to 16 Kg/cm <sup>2</sup> . Complete job as specified & directed.A)40mm Dia	14.00	Each	769.62	10774.68
22	Supplying & installing Brass Handle Ball Valve conforming to IS 778, of RB, Italy or equivalent. Ball valve must be having screwed ends. The ball valve should be with stand with maximum pressure up to 16 Kg/cm <sup>2</sup> . Complete job as specified & directed. B)25mm Dia	12.00	Each	487.83	5853.96
23	Construction Brick Masonary Chamber for UnderGround Inspection Chamber and Bends with Brick Having Crushing Strength not less than 35kg/cm <sup>2</sup> in C.M 1:5 R.C.C Top Slab with 1:2:4 (1 Cement 2 Sand 4 Grade Stone aggregate 20mm nominal Size) With 8 mm dia Steel at 15cm c/c and Providing and fixing precast R.C.C cover Size 0.60x0.45x0.07 m With 40x40x5 mm angle frame and Foundation Concrete 1:5:10 inside plaster 15mm Thick with Cement with Floating coat of neat cement Walls and bed Concrete etc Compelte. Rates are also inclusive of outside plaster 15mm Thick C.M 1:3 from top of chamber and all side upto 45cms.Deep below Ground Level.(A) Inside Dimension 455mmx610mmx450mm Deep for Multi Purpose Pipe Line.	6.00	Each	2468.44	14810.64
24	Extra over above Item No.35 for Additional Depth 0.10 mt or Part There of Beyond 450mm Depth for Brick Masonary Chamber for 455mmx610mm	6.00	Each	192.91	1157.46
25	Construction R.C.C manhole With r.c.c Top Slab in (1:2:4) mix with Foundation Concrete (1:3:6) inside Plastering 15mm Thick in C.M (1:4) Finished with Floating coat of neat cement slurry and making channels in cement Concrete (1:2:4) mix Finished Smooth Complete incl Curing & Testing.Inside size 900mmx1200mm and 1.5 meter Deep including C.I Manhole cover with frame 560 mm diameters total weight of covers not less than 128 kg (weight of Covet 64kg & Frame 64 kg).(A)with 230 mm thick wall of Brick Masonary using bricks having crushing strength not less than 35kg/sq.cm in Cement Mortar (1:5) (1) A-Type Depth 0.9 Meter for 150 mm Diameters Sewer	6.00	Each	9849.52	59097.12
26	Providing & Laying Foamcover or Eco Drain Pipe Jointing Brick Masonary Chambers,it includes Excavation Pipe Laying on PCC Jointing with Man Hole and Inspection Chambers and Back Filling etc Make:Astral/Supreme	60.00	Rmt	858.5	51510.00
27	Providing and Laying and jointing Reinforced Concrete Light Duty Non-Pressure Pipes I.S Class NP2 of the Following Internal Diameters with Collar and Butts end Prepared for Collar joints Including Testing of joints Complete.(C) 250 mm Diameter.	70.00	Rmt	410.06	28704.20
	Total Amount <b>B- Plumbing Work</b>				1950787.73
	Say Total Amount <b>B- Plumbing Work</b>				1950800.00

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## C- Electrical Work

Item no	Item of Work	Quantities estimated but may be more OR less	Unit	Estimated Rate	Total amount according to estimated quantities
1	Point wiring for Light / Bell with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in/ on surface on wall/ceiling complete with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected,with necessary Lamp holder/ceiling rose / H.D.Connector as directed.				
1-2-1.	(a) with medium class Rigid PVC pipe and accessories Cat. III	800.00	Nos	424.20	339360.00
2	Point wiring for FAN with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling complete with 6A Modular type switch and hum free EME four or more step type electronic fan regulator with separately mounted and accessories with earth continuity of following type erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected.with necessary ceiling rose / H.D.Connector as directed.				
1-2-2.	(a) with medium class Rigid PVC pipe and accessories	200.00	Nos	606.00	121200.00
	Cat. III				
3	Point wiring for Individual Plug with & earthwire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in existing pipe duly erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.				
1-2-3.	[I] For 6A Plug with 2-1.5 sq.mm Cu. Wire				
	(a) with medium class Rigid PVC pipe and accessories Cat. III	50.00	Nos	449.45	22472.50
4	Point wiring for Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic box, single mounting base frame covered with textured / metallic front plate modules erected on / in wall / ceiling with following type accssories	100.00	Nos	242.40	24240.00
1-2-4.	Cat. III				

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5	Providing following type of Modular Type Accessories mounted with pvc / metallic box, single mounting base frame covered with textured / metallic front plate , modules erected with necessary connection. As desired by Engineer Incharge				
1-2-6.	(1)One No. SP 6 Amp.	100.00	Nos	151.50	15150.00
	Cat.III				
	(2) One No 5 pin plug	100.00	Nos	151.50	15150.00
	Cat.III				
	(3) Two Pin/RJ-11 Telephone Socket	15.00	Nos		
	[A] For One Gang			161.60	2424.00
	Cat.III				
	(5) Electronic hum FRLSee four or more steps EME Fan regulator	200.00	Nos	404.00	80800.00
	Cat.III				
	(7) Blank Plate Single	150.00	Nos	20.20	3030.00
	Cat.III				
	(8) Modem Jack for Computer Open RJ-45	100.00	Nos	161.60	16160.00
	Cat.III				
	(9) 16 Amp. SP one way switch	50.00	Nos	181.80	9090.00
	Cat.III				
	(10) 6/16Amp. Universal socket	50.00	Nos	202.00	10100.00
	Cat.III				
	(14) 6A/ 10A/ 16A/ 20A/ 25A/ 32A Double Pole Modular MCB Switch	25.00	Nos	414.10	10352.50
	Cat.III				
6	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed				
1-3-2.	(a) 20 mm	3000.00	Rmt	23.23	69690.00
	(b) 25 mm	3000.00	Rmt	32.32	96960.00
	(c) 32 mm	500.00	Rmt	53.53	26765.00
7	Providing & erecting PVC Corrugated Flexible Conduit with required nos. of coupling, PVC bushes, Check-nuts etc. complete of following sizes.				
1-3-4.	(1) 20 mm	50.00	Nos	15.15	757.50
	(2) 25 mm	50.00	Nos	20.20	1010.00
8	Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed with wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size				
1-4-1.	(e) in existing pipe				
	(a) 2 wire 1.5 sq. mm	1500.00	Rmt	45.45	68175.00
	(b) 2 wire 2.5 sq. mm	3000.00	Rmt	60.60	181800.00

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9	Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in existing pipe erected with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size				
1-4-2.	(e) in existing pipe				
	(a) 2 wire 4 sq. mm	1000.00	Rmt	85.85	85850.00
	(b) 2 wire 6 sq. mm	200.00	Rmt	121.20	24240.00
10	Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required.				
1-4-4.	(i) One wire 35.00 sq. mm	100.00	Nos	303.00	30300.00
	(j) One wire 50.00 sq. mm	60.00	Nos	474.70	28482.00
11	Supplying & erecting Delton or approved make Telephone Cable electrolytic copper conductor PE insulation twisted in two pairs, & wrapped with FRLS PVC tape & sheathed with FRLS PVC or HFFR outer Jacket suitable for telephone wiring & confirming to C-DOT erected in existing pipe.of following size of conductors & nos.of pairs. With necessary connections.				
1-4-7.	[A] Conductor Size 0.5 mm				
	(a) Unarmoured				
	2) Two Pairs	300.00	Rmt	14.14	4242.00
12	Supplying and erecting Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed.				
1-4-5.	d) 1.50 Sq.mm 2 core round PVC sheathed	50.00	Rmt	30.30	1515.00
13	Supplying & erecting M.S. Box having 16 Gauge painted with red oxide or Heavy duty PVC box erected flushed on wall or concealed in wall with necessary plastering & finishing as directed of following size.				
1-5-1.	(a) 100 mm x 100 mm x 75 mm(d)	100.00	Nos	45.45	4545.00
14	Providing & Erecting following Shockproof tissino type accessories erected on 3 mm thick PC (Polycarbonet) sheet in PVC/ Metal Box. erected on wall/ ceiling.				
1-6-1.	(7) Bakelite ceiling, rose	500.00	Nos	15.15	7575.00
	(8) Bakelite lamp holder	250.00	Nos	20.20	5050.00
15	Providing & erecting Switch board for Computer or electric apparatus consisting of following items in single board erected on PVC / Metal board with 3 mm thick PC (Polycarbonet) / Acrylic sheet erected as directed 1 no. 6A/16A universal plug-switch combined. 4 nos. 6A Switch 4 nos. 6A 5 pin Plug				
1-6-2.	[B] For Modular Type Accessories	50.00	Nos	1151.40	57570.00
	Cat. III				

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16	Decorative call bell Ting-tong box type 250 volts complete erected	5.00	Nos	70.70	353.50
1-6-12.					
17	Providing Approved make Double Pole Cast Iron Clad Switch & rewirable Fuse 240 / 250 V confirming to I.S.S				
3-1-2.	(b)32 A	12.00	Nos	565.60	6787.20
	Cat.II				
18	Erection & connection charges for 16A / 32 A DP as following				
3-1-3.	(c) on angle iron frame duly painted with Red Oxide	12.00	Nos	131.30	1575.60
19	Providing Approved make Tripple Pole Cast Iron Clad Switch & rewirable Fuse with neutral link 415/500 V confirming to I.S.S				
3-1-4.	(b) 32 A	7.00	Nos	848.40	5938.80
	Cat.II				
20	Erection & connection Charges For 16A/32A TP as following				
3-1-5.	(c) on angle iron frame duly painted with Red Oxide	7.00		151.50	1060.50
21	Providing Approved make Tripple Pole Metal / Iron Clad Switch & Fuse with neutral link 415/500 V confirming to I.S.S				
3-1-6.	(b) 100 A	6.00	Nos	3666.30	21997.80
	Cat.II				
22	Erection & connection Charges for 63A/100A TP as following				
3-1-7.	(b) Erection on angle iron frame duly painted with Red Oxide	6.00	Nos	156.55	939.30
23	Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. at 415 V. having normal current rating up to 125A. with Fixed thermal & magnetic release suitable to work on A.C.supply 50 c/s. with all internal connections & complete erected in existing 16 G.M.S. housing.				
3-4-2.	ICS=100% of ICU only Cat III	10.00	Nos	8282.00	82820.00
24	Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 50 KA at 415 V having Normal current rating up to 400A. with variable Thermal & magnetic release suitable to work on A.C.supply 50 c/s. With all internal connections & complete erected in existing 16 G.M.S. housing.				
3-4-5.	ICS=100% of ICU only Cat III	1.00	Nos	25916.60	25916.60
25	Providing and erecting busbar chamber confirming to IS-375 fabricated from 16 G.M.S. sheet, dust & vermin proof having hinged door with rubber gasket and necessary busbar supports with COPPER busbar having current density not more than 1.6 Amp. / sq.mm (Rated current / cross section area) duly wrapped with colour insulation tape for phase sequence, three phase & neutral each suitable for following current capacity with necessary painting mounted on wall or pedestal frame of required size with necessary connections.				
3-7-2.	(B) Suitable for 200 Amp. capacity	1.50	Nos	5433.80	8150.70

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26	Miniature circuit breaker single pole 6A to 32A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark				
3-10-1.	Cat.III	216.00	Nos	116.15	25088.40
27	Providing & erecting 240 V MCB double pole switch for lighting Load (B Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity				
3-10-3.	(B) 40 Amp.	12.00	Nos	303.00	3636.00
	Cat.III				
28	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity				
3-10-5.	(b)40 Amp.	6.00	Nos	686.80	4120.80
	Cat.III				
29	Supplying & erecting 20 Amp 10 KA 'C Curve' single pole MCB with 20 Amp. Plug socket, company fabricated powder coated sheet steel enclosure erected as directed with connection.				
3-10-6-A	[A] Metal Clad Socekt with metal clad top	6.00	Nos	550.45	3302.70
	Cat.III				
30	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, confirming to IS 13032 and BS 5486-1986 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used)				
3-11-5.	(H) Single phase 12 way SS Double door	6.00	Nos	1292.80	7756.80
	(L) Three phase 6 way SS Double door for single phase outgoing horizontal box	12.00	Nos	2514.90	30178.80
31	Supplying & erecting Sheet Steel powder coated Cable end termination Box to be mounted on Top or Bottom of the MCB Distribution Box for housing/covering Extra wires & Cables, suitable for following size of MCB DB Box.				
3-11-6.	(E) Three Phase 4 Way	6.00	Nos	474.70	2848.20
	(F) Three Phase 6 Way	12.00	Nos	555.50	6666.00
32	Approved make ELCBs / RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 6 KA and suitable for operation on 3 phase and neutral 415V. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component for following Max. rating erected as directed.				
3-12-2.	(ii) 40Amps. FP	12.00	Nos	3110.80	37329.60
	Cat. III				
33	Supplying & fixing box for housing ELCB / ELCB + MCB combination made of 18 SWG sheet steel duly powder coated with gasket, dust & verming proof backelite shield two earthing terminals for following type of RCCB, ELCB, ELCB + MCB				

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3-12-4.	[b] For 4 Pole	12.00	Nos	525.20	6302.40
34	Providing and erecting metallic vetrified danger notice board for HIGH VOLTAGE installation to be erected as per I.S.	12.00	Nos	95.95	1151.40
3-13-2.					
35	Providing and erecting Annealed bare Copper wire 8 to 16 S.W.G.	50.00	nos	717.10	35855.00
3-14-4.					
36	Supplying & erecting earth pit of minimum bore dia.150mm size ASH or approved make Safe Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free G.I.Pipes having Outer pipe dia of 50mm having 80-200 Micron galvanising, Inner pipe dia of 25 mm having 200-250 Micron galvanising, connection terminal dia of 12mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications.				
3-14-9.	(c) For Electrical Installation covering Transformer Neutrals, Lightning arrester Earthing, A.C.Plant & Sensitive Computer System(like Automation, SCADA) i.e independent Earthing in normal soil. Length of Pipe : 3.00 mtrs Back filling Compound :2 nos Bags of 25 Kg.	8.00	nos	13584.50	108676.00
37	Providing & erecting weather proof, dust & vermin proof, floor mounted front operated indoor type cubical panel board having IP-64 protection made from 14 SWG thick CRC M.S. sheet for outer body & doors, 16 SWG thick CRC M.S.sheet for internal partitions with necessary supporting angles, flats including cutting, bending, drilling, welding, riveting with internal partitions & cable alley as per requirements & instruction of engineer-in-charge with erection of				
3-16-1.	supplied switch gears, BUSBARS, with suitable size of inter connecting PVC copper wire / copper-aluminium strips, rubber grommets, rib, bakelite control fuses for measuring instruments, earth bus & earth bolts, foundation flange - bolts-base Plates, sufficient nos. of hinged doors, handles with locking arrangement and rubber gasket complete. The Panel shall be painted with epoxy powder coating.				
	(The rates excludes the cost of switchgears, bus bars, inter connecting mains & Copper Aluminium strips, meters, Fuses etc. The dimension shall be measured excluding base beams) The panel shall be supplied with following approved manufacturers with following size.	3.00	Nos	22876.50	68629.50
	(A) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory and shall be certified by that company whose switch gears are used after fabrication for beneficial use				
	(ii) with 550 mm. Depth				

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38	Providing , erecting , fabricating the M.S. structure as per requirement on site incorporating proper size of M.S. angles, flats, bars, channels, sections complete with cutting, welding, grinding & finishing duly painted with one coat of redoxide with erection on site as per direction of engineer in charge with necessary gouting, cementing, plastering & finishing complete.				
3-46-4A		200.00	Nos	70.70	14140.00
39	Supplying and erecting nuwood 12mm thick on existing angle iron frame or wooden patti				
3-16-8		100.00	Nos	454.50	45450.00
40	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cables.				
4-3-3.	(A) 3 1/2 core 25 Sq. mm ( 10 Sq. mm 1/2 core)	290.00	rmt	1313.00	380770.00
	(B) 3 1/2 core 35 Sq. mm ( 16 Sq. mm 1/2 core)	330.00	rmt	1818.00	599940.00
41	Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables.				
4-6-2.	(a) 3 core 35/50 Sq. mm	25.00	rmt	70.70	1767.50
	(d) 3 core 120 Sq. mm	2.00	rmt	166.65	333.30
42	Solderless crimping type Copper lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner.				
4-7-2.	(D) 25 Sq.mm.	0.00	rmt	15.15	0.00
	(E) 35/50 Sq.mm.	30.00	rmt	22.22	666.60
43	Providing and erecting 18 G. M.S. termination box outdoor type suitable for- 1.1 KV PVC insulated armoured cable complete erected with clamp, bolts, nuts etc. suitable of following size of cables.				
4-8-2.	(A) 3 core 70 / 95 Sq. mm	6.00	Nos	797.90	4787.40
44	Supplying & erecting fan hook box of 10 mm M.S. round bar bounded to the RCC bars up to 50mm length each side and pierced through a 16 Gauge M.S. box / Heavy Duty PVC box complete erected concealed in Ceiling with necessary finishing.	200.00	Nos	126.25	25250.00
5-2-3.					
45	Providing 2.5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	200.00	Nos	20.20	4040.00
5-2-5.					

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46	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA polyester powder coated and high U.V. & corrosion resistance with diffuser and/or Polycarbonate optics with company mark/name 120 to 300 V, Power Factor more than 0.9, THD < 10 %, CCT 4000 K to 6500K, Uniformity ratio >0.7, Luminaire efficiency > 85 lumens/watt, LED driver efficiency > 85 % CREE / OSRAM / PHILIPS Lumileds / NICHIA / SEOUL/Bridgelux(U.S.A.) make LED used for luminaire. (Each fitting required LM-79 & LM-80 Certificates)				
	(A) Tube Light with integral/ non-integral driver				
	( c ) 16-18 Watts, Surge - 4KV, IP-20				
14-01.	Cat-III	600.00	Nos	620.14	372084.00
47/5-1-1.	Providing and erecting Approved make Ceiling fan with double ball bearing ISI mark with condenser A.C. 230V.50 c/s.1200 mm. sweep complete, canopy and 30 cms. down rod erected on existing hook or clamp with 24/0.2 , 3 core flexible wire with earthing. [Make shall be approved by Engineer in charge]	200.00	Nos	1717.00	343400.00
48/5-3-3.	Supplying & erecting approved make low noise decorative exhaust fan having size 200mm with 1350 RPM with square frame ABS body with inbuilt lowers & square frame.	25.00	Nos	2009.90	50247.50
49/5-3-7.	Providing recess in wall or window frame suitable for erection of Exhaust fan complete with plastering and colour washing to match the colour of the wall or window complete with expanded metal in order to render the fitting in accessible and the room water-proof.	25.00	Nos	222.20	5555.00
50	Providing and erecting 3 star and above rated approved make split air-conditioning unit consisting of condensing unit with fan motor, hermetically sealed rotary compressor with accessories etc. duly connected separately erected evaporating unit and blower motor with its accessories by means of proper insulated copper tubing upto 5 RMT suitable for (Cost includes M.S. Stand, Gas Charging & Internal Copper Wiring & Remote Control)				
8-3-1.	(A) for 1.5 ton capacity	15.00	Nos	28785.00	431775.00
51	Extra charges for the refrigerant piping, cabling & drain piping beyond standard length For ductable A.C. Machine 18 Gauge hard drawn copper pipe including necessary fittings i.e. elbows, couplings, reducers etc. with 19mm thick nitrile rubber insulation for suction line.				
8-3-4-B	[A] For 5.5 TR - 7/8" Outdoor Copper Pipe	60.00	rmt	707.00	42420.00

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52/8-8-1.	Providing and erecting water cooler having storage capacity 80Ltr. & cooling capacity 40 Ltr.per hour @ an ambient temp of 450 C. The outlet temp. of the water should drop by 150 C within a hour, The water cooler should be comprising of hermetically sealed compressor, fan motor, condensing unit, water tank surrounded by evaporating coil, thermostats, relay etc. complete with necessary inlet & outlet connection. The body of water cooler will be made from Stainless Steel.	6.00	Nos	36360.00	218160.00
53/5-2-1.	Supplying and erecting 19 / 20 mm. nominal bore Medium Class M.S. Pipe down rod erected duly painted for fan complete with necessary 24/ 0.20, 3 core flexible wire with earthing.	200.00	rmt	126.25	25250.00
54	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA polyester powder coated and high U.V. & corrosion resistance with diffuser and/or Polycarbonate optics with company mark/name 120 to 300 V,Power Factor more than 0.9, THD < 10 %, CCT 4000 K to 6500K, Uniformity ratio >0.7, Luminaire efficiency> 85 lumens/watt , LED driver efficiency > 85 % CREE / OSRAM / PHILIPS Lumileds / NICHIA / SEOUL/Bridgelux(U.S.A.) make LED used for luminaire. (Each fitting required LM-79 & LM-80 Certificates)				
2-8-6.	(A) Tube Light with integral/ non-integral driver	150.00	Nos	490.86	73629.00
	(b) 12-14 Watts, Surge-2 KV, IP-20				
	Cat-III				
55	Supplying & erecting approved make LAN cable of following size in existing pipe as per direction				
1-4-8.	[C] CAT - 6	1500.00	rmt	40.40	60600.00
56	Supplying, Erecting, Testing & Commissioning the passenger / stretcher lift having following main features:				
	[1] GEAR LESS LIFT DRIVE comprising of High Starting torque Lift duty 3 phase 440 V A. C. Permanent magnetic synchronous motor of proper rating with high efficiency shall be used. [2] Micro processor based / PLC, ACVVF, vector control drive with encoder feedback closed loop system shall be used for lift car and door operation which shall be full collective selective operation hall call demand response, UP/DOWN hall stops, Main, Up/ Down Contactor with overload and phase reversal relay and safety controls.				

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	<p>[3] Car with M S platform with bracings of adequate size and to sustain the impact load cabin + passenger with safety factor of fire for steel and side panels of Stainless steel of sheet of grade 304 duty. Car ceiling will be S.S. finishes with aesthetic appearance with LED ceiling lights. Car flooring shall be of anti skid PVC with choice of colour of engineer in charge. Car doors shall be of stainless steel grade 304, hairline finish with centre opening / telescopic automatic doors. Car panel will also be S.S. 304 finished with emergency stop device, mechanical door safety device, facility of auto/ attended mode. All car panel buttons and all floor switches must be with brail language as per lift act.</p>				
	<p>[4] All landing doors shall be fully automatic centre opening/ telescopic opening made of hairline finish steel grade of 304 with key holes and infrared curtains with Unlocking facility from outside.</p> <p>[5] Appropriate battery operated emergency light in the car along with alarm switch shall be provided.</p> <p>[6] Digital scrolling indicator system for up-down arrow along with floor position indicator shall be provided inside the car and at all floors.</p> <p>[7] Full height infra red curtain with multiple criss / crossing light beams shall be provided.</p> <p>[8] Automatic Rescue Device (ARD) shall be provided accordingly of passenger capacity.</p> <p>[9] Audio visual indication in the lift car showing over loading shall be provided such that doors kept open till excess load is removed.</p>				
	<p>[10] Spring buffers/PU Buffers shall be provided.</p> <p>[11] Car fan with automatic sleep timer shall be provided.</p> <p>[12] Voice annunciater with suitable music shall be provided in lift car.</p> <p>[13] Self diagnostics system for operational and safety parameters shall be provided in control panel.</p> <p>[14] Mechanical over speed governor, door key holes in the floor doors, fireman switch shall be provided.</p> <p>[15] Lift machine hoisting arrangement in the lift machine room and monkey ladder for lift pit should be provided by the lift agency, along with the other steel structure works, foundations for the machine etc...</p> <p>[16] In the hoist way fascia plate shall be provided without any extra cost, where ever required as / if directed by engineer in charge.</p>				

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	<p>[17] Permanent wiring in lift machine room and lift well with proper numbers of light points, with fixtures, exhaust fan and plug points shall be provided by the agency. Power supply of 3 phase 440 V shall be made available by department in lift machine room.</p> <p>[18] Any civil/ electrical works for additional and alteration in lift shaft and machine room related to erection of lift shall be made by lift agency without any extra cost.(granite/marble fixing around all landing door openings are not in lift agency's scope.)</p> <p>[19] Agency has to provide all working drawings and documents and liaison services for obtaining all necessary permission from lift inspector and other authorities.</p>				
	8 / 10passengers . Ground plus 5 upper floor with Rated Speed of 1.0 m/sec with micro proce/PLC control and ACVVVF. drive, Cat.III	1.00	nos	1851330.00	1851330.00
1	Supplying & erecting 5 stage single reverse osmosis water purification system with M.S. powder coated frame, prefilter housing with 'O' ring presediment filter GAC filter, carbon filter suitable buster DC pump capacity 80 psi, mention with 40 Osg inline type post carbon filter auto low & high pressure switches with following size of storage tank & LPH capacity & erected as directed with one year comprehensive maintenance guarantee.				
8-8-6.	[C] 50 Ltr / Hr with 250 psi 2 nos booster pump	6.00	nos	27270.00	163620.00
	Total Amount C- Electrical Work				6576352.40
	Say Total Amount C- Electrical Work				6576500.00
	Amount of A- Civil work				43437300.00
	Amount of B- Plumbing Work				1950800.00
	Amount of C- Electrical Work				6576500.00
	Total Amount				51964600.00

I/We am/ are willing to carry out te work @ \_\_\_\_\_ % Above /Below \_\_\_\_ %\_Percentage (Should be written in Figures and Words) of the Estimated rates mentioned above amount of my/ our Tender work out as under.

Estimated Amount	Estimated Amount
Tender Rs. <b>51964600.00</b>	Tender Rs. <b>51964600.00</b>
Add % Rs	Deduct % Rs.
Total Rs.	Total Rs.
(In Words	(In Words

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