

भारतीय प्रौद्योगिकी संस्थान गोवा

INDIAN INSTITUTE OF TECHNOLOGY GOA



NOTICE INVITING e-TENDER

NAME OF WORK: Construction of Toilet block behind Central Library

N.I.T. No.

IITGOA/IWD/2024/014 DATED: 03/12/2024



e-Tender Notice

Indian Institute of Technology (IIT) Goa, invites sealed **Percentage** Rate tender from eligible contractors for following work(s):

N.I.T. No	IITGOA/IWD/2024/014 dated 03/12/2024
Name of work	Construction of Toilet block behind Central Library
Location of Work	IIT Goa transit campus at GCE Farmagudi.
Estimated Cost (Including GST)	Rs. 12,89,320.00/- (Composite work of Civil & Electrical)
Earnest Money Deposit	Rs. 25,790/- only.
Performance Guarantee	5% of tender accepted value
Period of Completion	45 days from the date of issue of work order
Form of Tender	Two Bid System (Technical Bid & Financial Bid)
Critical Dates:	
Publish Date	03/12/2024 at 18:00 hrs
Document Download Start Date	03/12/2024 at 18:00 hrs
Pre-Bid Meeting	10/12/2024 at 11:00 hrs
Bid submission start date	03/12/2024 at 18:00 hrs
Document Download end date	24/12/2024 at 18:00 hrs
Bid submission end date	24/12/2024 at 18:00 hrs
Bid opening date	26/12/2024 at 11:00 hrs
Website for full and updated information	CPP Portal (www.eprocure.gov.in) and Institute website (https://iitgoa.ac.in/tenders/)

Head, IWD
IIT Goa

Copy along with NIT forwarded to:

1. Director, IIT Goa
2. Registrar, IIT Goa
3. Institute Works Department, IIT Goa
4. Website of IIT Goa and CPPP.



NAME OF WORK:	Construction of Toilet block behind Central Library
N.I.T. No.	IITGOA/IWD/2024/014 DATED: 03/12/2024

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This N.I.T. contains pages 04 to 34 for Part- A & B and Page 36 to 45 for Part-C.

This N.I.T. is approved for Rs. 12, 89,320/-Only

Sd/-
Head IWD, IIT Goa



PART- A

INFORMATION & INSTRUCTIONS FOR BIDDERS FOR e-TENDERING FORMING PART OF TENDER DOCUMENT AND TO BE POSTED ON WEBSITE

Indian Institute of Technology (IIT Goa) invites sealed Percentage Rate bids from eligible contractors for following work(s):

S. No	NIT No.	Name of Work	Estimated Cost put to tender	Earnest Money	Period of Completion	Last date & time of submission of bid	Time and date of opening of technical bid
1	IITGOA/IWD/2024/014 DATED: 03/12/2024	Construction of Toilet block behind Central Library	Rs12,89,320/-	Rs 25,790/-	45 Days	24/12/2024 at 18:00 hrs	26/12/2024 at 11:00 hrs

1. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD-7 of GCC 2023 duly amended upto last date of submission of bid, which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in or other Standard Form as provided by the Institute. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The intending bidders are required to update their profile in CPP e-procure portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile / uploading tender can be resolved through the CPP Portal help line no. **0120-4200462/0120-4001002** or e-mail Id-support-eproc@nic.in.
4. The e- tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.
5. Information and Instructions for bidders posted on website shall form part of bid document.



6. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from Institute website <https://iitgoa.ac.in/tenders/> and CPP portal (www.eprocure.gov.in)
7. Applicant has to deposit Online payment of Rs. 25,790/- (Rupees Twenty-five thousand seven hundred and ninety only) towards refundable EMD.
8. Details for online payment for EMD
Beneficiary name: IIT Goa Main Account
Account no: 520101252594859
IFSC Code: UBIN0913286
Bank Name: Union Bank of India
Branch: Farmagudi
Address: GEC Campus, Farmagudi, Ponda, Goa - 403401.
The bank Transaction reference slip shall be uploaded with technical bid.
9. Those contractors not registered on the website mentioned above, are required to get registered beforehand. The necessary training materials including the videos with step to step process are available on CPP portal. The institute shall not be responsible for whatsoever case in this regard.
10. The intending bidder must have valid class digital signature to submit the bid.
11. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
12. Contractor can upload documents in the form of JPG format and PDF format
13. Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in yellow colour and the moment rate is entered, it turns sky blue.
In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).
However, if a tenderer quotes nil rates against each item in item rate tender or **does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.**
14. The bidder should not have been blacklisted or penalized or not have any involvement in illegal activities or financial misappropriation/frauds etc. by any Central Government / State Government Offices/PSUs/Autonomous bodies. An undertaking on Non-Judicial Stamp paper of Rs. 100/- duly notarized, in this effect is required to be scanned and uploaded. **The document should be within the bid period.** (Form-E)
15. Tenders with any condition including that of conditional rebates in the tender document shall be rejected forthwith.
16. The Technical Bid shall be opened first on due date and time as mentioned above. The time and date of opening of financial bid of contractors qualifying the technical bid shall be communicated to them at a later date.
17. GST or any other tax applicable in respect of inputs procured by the contractor for this contract shall be



payable by the Contractor and the Institute will not entertain any claim whatsoever in respect of the same. However, component of GST at time of supply of service (as provided in CGST Act 2017) provided by the contract shall be varied if different from that applicable on the last date of receipt of tender including extension if any.

18. The bidder shall quote their rates considering all prevalent taxes/ cess like GST, workers cess or any other tax on material /work as applicable on the last date of bid submission and nothing extra shall be paid to the contractor on this account. All such taxes as applicable shall be paid by the contractor himself. The institute shall deduct from the RA bills, the TDS as applicable
19. In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power of attorney authorizing him to do so. Such power of attorney should be produced with the tender and it must be disclosed that the firm is duly registered under the Indian partnership act, 1952.
20. The bidders(s) shall have to make his/her own arrangement for housing facilities for staff at his own cost. No labour huts will be allowed to be constructed in Institute campus. Any decision in this regard shall rest with the IIT Goa.
21. Power/ electricity supply required for construction, testing & commissioning shall have to be provided to the contractor on payment basis as per the institute norms or else it has to be arranged by the contractor. Water required for testing of equipment is also in the scope of agency.
22. The bidders(s) shall take precaution to ensure quality of workmanship as well as the progress of the work. He shall regulate the labour accordingly. The bidders(s) shall make arrangements for disposal of dismantled materials and other trash properly in an environmental friendly manner.
23. The Institute reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
24. All needful statutory provisions to be adopted at site to tackle epidemic/ pandemic or similar situation of COVID-19 shall be done by the contractor and expenditure on the same shall be borne by the contractor unless statutory orders direct for the reimbursement of the same.
25. The bidders should also read the General Conditions of Contract for Construction works 2023 with latest amendments upto date of submission of bid (available on CPWD website), which is available as Govt. of India Publications, which will be a part of the agreement including the special conditions and particular specifications etc.
26. List of documents to be scanned and uploaded within the period of bid submission:

(i)	Earnest Money Deposit– Scanned copy of Bank transaction slip (UTR Number required)
(ii)	Letter of Transmittal
(iii)	GST Registration Certificate
(iv)	PAN card and Bank Account details duly attested by the firm.
(v)	Copy of Experience/work completion certificates as per conditions laid down in the eligibility criteria
(vi)	Certificate of Financial Turnover from CA or Copy of audited balance sheets of last three financial years (2021-22, 2022-23, 2023-24).
(vii)	EPF & ESIC registration certificate
(viii)	An undertaking on Non-Judicial Stamp paper of Rs. 100/- duly notarized, for non-backlisting or penalized or not involved in illegal activities or financial



	misappropriation/frauds etc. by any Central Government / State Government Offices/PSUs/Autonomous bodies, is required to be scanned and uploaded. The document should be within the bid period.
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27. Any clarification on the content of NIT/ Tender document can be referred to the Executive Engineer (Civil), IIT Goa and/or Sr. Executive Engineer, IIT Goa (Phone No. 0832-2490866/0832-2490905) email: ex.eng.civil@iitgoa.ac.in / Sr.ex.eng.civil@iitgoa.ac.in by making a written requested up to 23.12.2024 at 18:00 Hrs.
28. Pre-Bid meeting will be held in the IWD Office, IIT Goa on 10/12/2024 at 11:00 hrs, to clear the doubt of intending bidders, if any.
29. Corrigendum / Addendum to this tender if any will be uploaded on the CPPP/ Institute website. Bidders/ prospective bidders may kindly note this.



LETTER OF TRANSMITTAL

From: M/s.

To
The Head, IWD
IIT Goa

Subject: Submission of bids for the work of

Sir,

Having examined the details given in the bid document for the above work, I/we hereby submit the relevant Information.

1. I/We hereby certify that all the statement made and information supplied in Technical cum eligibility bid documents accompanying statement are true and correct.
2. I/We have furnished all information and details necessary for eligibility and have no further pertinent information to supply.
3. I/We submit the requisite certified solvency certificate and authorize the Engineer-in-Charge to approach the Bank issuing the solvency certificate to confirm the correctness thereof. I/We also authorize Engineer-in-Charge to approach individuals, employers, firms and corporation to verify our competence and general reputation.
4. I/We submit the following certificates in support of our suitability, technical knowledge and capability for having successfully completed the following eligible similar works:

Name of work	Certificate from

Certificate: It is certified that the information given in the enclosed Technical cum eligibility bid are correct. It is also certified that I / We shall be liable to be debarred, disqualified / cancellation of enlistment in case any information furnished by me / us is found to be incorrect.

Enclosures: Seal of bidder

Date of submission:

Signature(s) of Bidder(s):



For e-TENDERING

Indian Institute of Technology (IIT) Goa, invites sealed Percentage Rate tenders in two bid system from eligible contractors for following work(s):

Name of Work: Construction of Toilet block behind Central Library

- 1.1 The work is **estimated Cost: Rs. 12,89,320.00/- (Composite work of Civil & Electrical)**
- 1.2 The Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted.
- 1.3 The firms/Contractors who fulfill the following requirements shall be eligible to apply:
 - 1.3.1 Should have satisfactorily completed the works as mentioned below during the last Seven years ending last day of the month previous to the one in which tenders are invited.
 - Three similar works each costing not less than 40% of estimated cost put to tender
 - or two similar works each costing not less than 60% of estimated cost put to tender
 - or one similar work costing not less than 80% of estimated cost put to tender.

Similar work shall mean Civil works.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to previous day of last day of submission of tenders.

Contractor shall submit completion certificate for such works for pre-qualification. Pre-qualification application received without such experience (Completion Certificate) shall be summarily rejected.

Bidder shall submit self-attested certificate of completion certificate(s), issued by the officer not below the rank of Executive Engineer or equivalent in case of Govt. works. For non-Govt. work the completion certificate shall be accompanied with TDS certificate indicating payment made to the firm against the work. Completion certificate must clearly indicate.

1. Name of work
 2. Stipulated date of start and actual date of completion.
 3. Gross Value of work done
 4. That the work has been completed satisfactorily.
 5. Full address of client, officer issuing the certificate & location where work is executed.
- 1.3.2 Should have had **Average Annual Financial Turnover of 50% of the estimated cost put to tender** during the last three financial years ending 31st March 2024 (Scanned copy of Certificate from CA with Unique Document Identification Number (UDIN) to be uploaded). Year in which no turnover is shown would also be considered for working out the average. (Form-A)
 - 1.3.3 The bidder should not have incurred any loss (**profit after tax should be positive**) in more than two years during available last five consecutive balance sheets, duly certified and audited by the



Chartered Accountant. (The balance sheet in case of Pvt./ Public Ltd. company means its standalone financial statement and consolidated financial statement both). (Form-A)

- 1.3.4 The bidder should not have been blacklisted or penalized or not have any involvement in illegal activities or financial misappropriation/frauds etc. by any Central Government / State Government Offices/PSUs/Autonomous bodies. An undertaking on Non-Judicial Stamp paper of Rs. 100/- duly notarized, in this effect is required to be scanned and uploaded. **The document should be within the bid period.** (Form-E)
- 1.4 The bidder should have sufficient number of Technical and Administrative employees for the proper execution of the contract. The bidder shall have to submit a list of these employees stating clearly how these would be involved in this work within 10 days of award of work.
- 1.5 The bidders have to submit a list of jobs in progress. Brief details of the units scope of work, names and address (postal mail) of present clients.
2. The time allowed for carrying out the work will be **45 days** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
3. The site is available for the execution of the work.
4. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms & conditions of contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen from website www.iitgoa.ac.in or www.eprocure.gov.in
5. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of tender as notified. While submitting the revised bid, contractor can revise the quoted rates but before last time and date of submission of tender as notified.
6. The bid submitted shall become invalid, if
 - (i) The bidder is found ineligible.
 - (ii) The bidder does not deposit original EMD with technical bid.
 - (iii) If a bidder quotes nil rates against each item in item rate tender or does not quote any percentage above / below on the total amount of the tender or any section/ sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest bidder.
 - (iv) If any discrepancy is noticed in the documents / details as submitted by bidder.
7. **EMD:**

Applicant has to deposit Online payment of Rs. 25,790/- (Rupees Twenty-five thousand seven hundred ninety only) towards refundable EMD.

Details for online payment:

Beneficiary name: IIT Goa Main Account
Account no: 520101252594859
IFSC Code: UBIN0913286
Bank Name: Union Bank of India
Branch: Farmagudi
Address: GEC Campus, Farmagudi, Ponda, Goa - 403401.

The bank transaction reference slip (UTR number required) shall be uploaded with technical bid.

This must be uploaded in technical bid of tender bid document, with a subject line –**EMD for this NIT.**



The EMD of the successful bidder will be returned without any interest after submission of Performance Guarantee. The earnest money of unsuccessful bidders shall be returned after financial evaluation/award of work. Please provide details of particulars for the refund in 'Form D' and upload the same along with technical bid'.

Note: The MSME firms registered in NSIC under PP policy are exempted from payment of EMD for supply of goods and services only. **They are not relaxed for works contracts. No other relaxation will be allowed.**

8. **Performance Guarantee:**

The contractor whose bid is accepted will be required to furnish performance guarantee of **5% (Five Percent) of the tender accepted amount** within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/ Pay order of any Scheduled Bank of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/ registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No, if applicable and also ensure the compliance of aforesaid provisions by the sub-contractors, if any, engaged by the contractor for the said work within the period specified in Schedule F.

9. **Security Deposit:**

The contractor whose tender is accepted will also be required to furnish by way of Security Deposit for the fulfillment of his contract, an amount equal to **2.5% of the executed amount of work**. The Security deposit will be collected by deductions from the running bills as well as final bill of the contractor at the rates mentioned above.

The said security deposit shall be returned after satisfactorily completion of **defect liability period of one year**. This security deposit shall be forfeited if he/they fails to comply with any of the conditions of the contract. No interest shall be paid on the security deposit.

10. **Payment Clause:**

Running Account bill payment will be made as per execution of work duly certified by the Engineer-in-Charge. No advance payment will be made. Income tax and all other statutory tax deduction will be made as per Govt. of India norms.

11. **Liquidated Damage:** - If the contractor fails to carry out the work on or before the stipulated date, then a penalty @ 2% (two percent) per month of delay subject to maximum of 10% of work order value to be computed on per day basis based on quantum of damage suffered due to stated delay on the part of Contractor.

12. **The description of the work is as follows: -**

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge



- consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
13. The competent authority on behalf of IIT Goa does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
 14. Mere becoming the lowest bidder, prior to financial bid scrutiny will not give any right to the lowest bidder to claim that he is successful in the bidding process. The successful bidder (L1) shall be decided only after following due procedure.
 15. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable to rejection.
 16. The competent authority on behalf of IIT Goa reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
 17. No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his/her retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
 18. The bid for the works shall remain open for acceptance for a period of **90 days** from the date of opening of bid. Further
 - a) If any bidder withdraws his bid or makes modifications in the terms & conditions of the bid which is not acceptable to the department within 7 days after last date of submission bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - b) If any bidder withdraws his bid or makes modifications in the terms & conditions of the bid which is not acceptable to the department after expiry of 7 days after last date of submission bids, then the Government without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - c) In case of forfeiture of earnest money as prescribed in para (a) and (b) above, bidders shall not be allowed to participate in the rebidding process of the same work.
 19. Except writing rates and amount, the bidder should not write any conditions or make any changes, additions, alterations and modifications in the printed/downloaded form of tenders. If any changes, additions, alterations, modifications are detected in the submitted bid even at a later date when contract has been awarded, the contract will be liable to be void. The decision of IIT Goa will be final & binding to the Contractor in this regard.



20. The Specifications to be followed for execution of work:
- CPWD General Specifications for civil works Volume-I & Volume-II 2019 as modified and Correction Slips/amendments issued upto previous day to last date of bid submission or any other relevant CPWD manual/guideline or IS.
21. Signing of Contract:
- This notice-inviting bid shall form a part of the contract document. The successful bidder/contractor, on acceptance of his tender by the Accepting Authority, shall, within **15** days from the stipulated date of start of the work, sign the contract consisting of
- the notice inviting tender, all the documents including drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
 - Standard C.P.W.D. Form as mentioned in Schedule 'F' consisting of:
 - Various standard clauses with corrections up to the date stipulated in Schedule 'F' along with annexures thereto.
 - C.P.W.D. Safety Code.
 - Model Rules for the protection of health, sanitary arrangements for workers employed by CPWD or its contractors.
 - CPWD Contractor's Labour Regulations.
 - List of Acts and omissions for which fines can be imposed.
 - Integrity Pact (if applicable)
22. No payment for the work done will be made unless contract is signed by the contractor.
23. The bid document will include following two components: -
Part A: CPWD-6, CPWD-7 including proforma of schedule A to F for the both the components of the work, Standard General Conditions of Contract for CPWD 2023 as amended/ modified up to last date of submission of bid.
Part B: Additional/specific conditions of contract, technical specification/schedule of quantities applicable to the work. In case of any discrepancy between part A and part B of the contract agreement, the provision of Part A shall prevail.
24. Any dispute unless resolved amicable shall be settled by a court of law having jurisdiction over Goa.
25. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board and Programme Chart (Time and Progress) within the time period as specified.
26. Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.
27. During the execution of the work, if any additional items is required to be extended apart from the item mentioned in the BOQ for proper completion of work, the same shall be executed at DSR rates +/- % rate quoted by the agency as per the direction of the site in charge.



INDIAN INSTITUTE OF TECHNOLOGY GOA
IWD Office
Percentage Rate e-Tender & Contract for Works

Tender for the work of: Construction of Toilet block behind Central Library

- (i) Tender to be submitted online upto 18:00 am on 24.12.2024 as per the NIT
- (ii) To be downloaded (opened) in presence of bidders/their authorized representative who may be present at 11.00am on 26.12.2024 as per NIT in the office of the IWD, IIT Goa.

Issued to: - M/s _____

Signature of officer issuing the documents

Designation:

Date of Issue:

TENDER

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F. specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, special conditions, Schedule of Rate & other documents and Rules referred to in the condition of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the Institute within the time specified in Schedule "F", viz., schedule of quantities and in accordance with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such condition so far as applicable.

I/We agree to keep the tender open for **ninety (90) days** from the due date of opening and not to make any modification in its terms and conditions.

A sum of Rs. 25,790 /- is hereby paid online in favour of Registrar, IIT Goa as earnest money. If I/We fail to furnish the prescribed performance guarantee of tender form within prescribed period. I/We agree that the Institute, without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/we fail to commence work as specified, I/we agree that Institute shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, up to maximum of the percentage mentioned in schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in clause 12.2 and 12.3 of the tender form.

Further I/We agree that in case of forfeiture of earnest money or both earnest money and performance guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.



I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then

I/We shall be debarred for tendering in IIT Goa in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-In-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information derived there from to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the state.

Seal of bidder:

Date of submission:

Signature(s) of Bidder(s)

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Director, IIT Goa for a sum of Rs.

(Rupees.....)

The letters referred to below shall form part of this contract agreement: -

(a)

(b)

(c)

For & on behalf of the IIT Goa

Signature

Designation

Date:



PROFORMA OF SCHEDULES

SCHEDULE 'A'

Schedule of quantities (Enclosed)

As per Financial Bid

SCHEDULE 'B'

Schedule of materials to be issued to the bidder/contractor.

Sl. No.	Description of Item	Qty.	Rates in figures & words at which the material will be charged to the contractor	Place of Issue
1	2	3	4	5
1.	NIL	NIL	NIL	NIL

SCHEDULE 'C'

Tools and plants to be hired to the bidder/contractor

Sl. No.	Description	Hire charges per day	Place of issue
1	2	3	4
NIL	NIL	NIL	NIL

SCHEDULE 'D'

Extra schedule for specific requirements/ documents for the work, if any.

Nil

SCHEDULE 'E'

1.	Reference to General Conditions of contract	:	General Conditions of Contract (GCC) 2023 for CPWD maintenance works, as modified & corrected up to last date of submission of tender.
2.	Name of work	:	Construction of Toilet block behind Central Library
(i)	Estimated Cost put to tender:	:	Rs. 12,89,320.00/- (Composite Work of Civil & Electrical)
(ii)	Earnest Money	:	Rs. 25,790/- (to be returned after receiving performance guarantee without interest)
(iii)	Performance guarantee	:	5% of tender accepted value. (to be returned after completion of work without interest)
(iv)	Security Deposit	:	2.5% of executed amount of work. (to be returned without interest after completion of defect liability period)



SCHEDULE 'F'

General Rules & Directions		
Officer Inviting Tender	:	Head, IWD, IIT Goa
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3	:	See under Clause 12
Definitions:		
2(v) Engineer-in-Charge	:	Executive Engineer- Civil, IWD, IIT Goa
2(vii) Accepting Authority	:	Director, IIT Goa
2(x) Percentage on cost of materials and labor to cover all overhead & profits	:	15%
2(xi) Standard Schedule of Rates	:	DSR Civil Vol-I & Vol-II 2021, DSR 2022 (E&M), with correction slips up to last date of submission of bid.
2(xii) Department	:	Institute Works Division, IIT Goa
9(ii) Standard CPWD contract Form, CPWD Form 7/ 8 as modified & corrected upto	:	CPWD GCC 2023 –for Maintenance works CPWD Form 7 as modified and Correction Slips/amendments issued up to previous day to last date of bid submission
Clause 1 (Performance Guarantee)		
(i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance	:	10 days
(ii) Programme Chart (Time and Progress) and copy of applicable licenses or proof of applying for obtaining Labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident fund code no., if applicable.	:	10 days
(iii) Maximum allowable extension with late fee @ 0.1% per day of performance guarantee amount beyond the period provided in (i) above	:	7 days
Clause 2 (Compensation for Delay)		
Authority for fixing compensation under Clause- 2	:	Director, IIT Goa
Clause 2A		
Whether Clause 2A shall be applicable	:	Yes
Time allowed for execution of work		:
		45 Days
Authority to decide		
(i) Extension of time	:	Director, IIT Goa
(ii) Rescheduling of milestones	:	Head, IWD, IIT Goa



(iii)	Shifting of date of start in case of delay in handing over of site	:	Head, IWD, IIT Goa
Clause 5.2			Applicable (Physical)
Nature of Hindrance Register (either physical or electronic)		:	
Clause 6		:	Applicable (Computerized Measurement Book)
Clause 7 Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment is		:	Running Account Bill Payment or as decided by the Competent Authority
Clause 7A No Running Account Bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable are submitted by the contractor to the Engineer-in-Charge		:	Applicable
Clause 10A List of testing equipment to be provided by the contractor at site lab		:	As per site requirement and directions of Head, IWD, IIT Goa.
Clause 10 B		:	Not Applicable
Clause 10 C Component of labour expressed as percent of value of work		:	Not Applicable
Clause 10 CA Payment due to variation in prices of materials after receipt of tender		:	Not Applicable
Clause 10 CC Payment due to Increase / Decrease in Prices/ Wages (excluding materials covered under clause 10 CA) after Receipt of Tender for Works		:	Not Applicable
Clause 10 CC			
Clause 10 CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column		:	Not Applicable
Schedule of component of other Materials, Labour, POL etc. for price escalation		:	Not Applicable
Component of Civil (except materials covered under Clause 10CA)/ Electrical constructionMaterials			
Expressed as percentage of total value of work			: X m (<u>Not applicable</u>)...%
Component of Labour:			
Expressed as percentage of total value of work			: Y (<u>Not applicable</u>)..... %



<p>Clause 11 Specifications to be followed for execution of work</p>		<p>i) CPWD General Specification for Civil works Volume-I & II, 2019 ii) CPWD General Specification for Electrical works Part-I & II, 2023 iii) CPWD Handbook on safety, iv) NBC 2016 Vol 1 & Vol 2 v) Relevant IS Code as applicable</p>
<p>Clause 12 Type of Work</p>	:	New Construction work
<p>Clause 12.2. & 12.3: Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for building work</p> <p>12.5: Deviation Limit beyond which Clause 12.2 & 12.3 shall apply for Foundation Work</p>	:	<p>100%</p> <p>NA</p>
<p>Clause 16 Competent Authority for deciding reduced rates</p>	:	Director, IIT Goa
<p>Clause 18 List of mandatory machinery, tools & plants to be deployed by the contractor at site</p>	:	As applicable to be arranged by the contractor
<p>Clause 19 Authority to decide penalty for each default</p>	:	Director, IIT Goa
<p>Clause 25 - This clause will be governed as per CPWD GCC (A) Constitution of Dispute Redressal Committee (DRC).</p>	:	Authority to appoint DRC - Director, IIT Goa
<p>(B) Conciliation/Mediation/Arbitration of disputes</p>	:	Appointment of Conciliator/Mediator/Arbitration as per CPWD Manual/ provisions of law.



PART- B
GENERAL AND COMMERCIAL CONDITIONS OF CONTRACT

The bidder is advised to visit the site of the work i.e. "IIT Goa at GEC Campus" to have an idea of the execution of the work; failure to do so shall not absolve their responsibility to do the work as specified in agreement.

The work shall be executed as per CPWD's general specification for Civil Works Volume-I & Volume-II , 2019, CPWD's general specification for Electrical Works Part-I Internal 2023 ,Indian Standards, as per Rules of NBC 2016 & all the amendment issued up to date and as per directions of Engineer-in-Charge. These additional specifications are to be read in conjunction with above and in case of variations; specifications given in this Additional conditions shall apply. However, nothing extra shall be paid on account of these additional specifications & conditions as the same are to be read along with schedule of quantities for the work.

1. Mobilization Advance:

No mobilization advance shall be paid for the work, unless otherwise stipulated in tender papers for any individual works/ composite work.

2. Completeness of Tender:

All sundry equipment's, fittings, assemblies, accessories, hardware items, termination lugs for electrical connections as required, and all other sundry items which are useful and necessary for proper assembly and efficient working of the various components of the work shall be deemed to have been included in the tender, whether such items are specifically mentioned in the tender documents or not.

3. Storage and Custody of Materials:

The contractor has to make his own arrangement for the storage of the material at site & necessary watch and ward of the during the execution of work till the same is handed over to the department. No extra payment will be made on this account. The storage space shall however be arranged by the department at site, if available. The contractor shall however be responsible for proper storage and safe custody of the same till their installation and handing over to the department.

4. Machinery for Erection

All tools and tackles required for unloading/handling of equipment's and materials at site, their assembling, erection, testing and commissioning shall be the responsibility of the contractor. No Tools & Plants shall be issued by the Department and nothing extra shall be paid on account of this.

5. Care of the building and other structures / installations

Care shall be taken by the contractor while handling and installing the various equipment's and components of the work to avoid damage to the building and its surrounding roads, pavements, horticulture work, boundary wall, sewer and water lines etc. He shall be responsible for repairing all damages and restoring the same to their original finish at his cost. He shall also remove at his cost all unwanted and waste materials arising out of the installation from the site. In case of failure to do so, damages to existing infrastructure/equipment done due to carelessness/poor quality work shall be compensated by contractor to IIT Goa.

6. Structural Alterations to Buildings:

- (i) No structural member in the building shall be damaged/altered, without prior approval from the competent authority through the Engineer-In-charge.
- (ii) Structural provisions like openings, cutouts, if any, provided by the department for the work, shall be used. Where these required modifications or fresh provisions are required to be made, such



- (iii) All such openings in floors provided by the department shall be closed by the contractor after installing the cables/conduits/rising mains/GI&MS Pipe etc. as the case may be, by any suitable means as approved by the Engineer-In-charge without any extra payment.
- (iv) contingent works shall be carried out by the contract at his cost.

7. Inspection and Testing:

All major equipment's shall be offered for initial inspection by the Engineer-In-Charge or officer authorized by him/ her at manufacturer's works in India. The department may or may not inspect the material at its discretion. The contractor will intimate the date of testing of equipment's at the manufacturer's works before dispatch. Contractor shall make all arrangements for inspection of material at works. Nothing Extra Shall be paid on this account. The department reserves the right to get the equipment inspected by third party inspection also. Such inspection shall be of following categories:

- (i) Inspection of materials/ equipment's to be witnessed at the manufacturer's premises/ at its authorized works in India, in accordance with relevant BIS/ Agreement Inspection Procedure.
- (ii) To receive material at site with manufacturer's Routine & Type Test certificates.
- (iii) To inspect material at the authorized dealer's, go-down to ensure delivery of genuine material at site.
- (iv) To receive material after physical inspection at site.
- (v) Relevant Indian Standards including amendments or revisions thereof up to the date of tender acceptance shall be applicable in the respective contracts for respective items, firm to ensure its compliance.

8. Workmanship:

Good workmanship is an essential requirement to be complied with. The entire work of manufacture/fabrication, assembly and installation shall conform to sound engineering practice.

Proper supervision/skilled workmen: He shall engage suitably/skilled/licensed workmen of various categories for execution of work supervised by supervisors Engineer of appropriate qualification and experience to ensure proper execution of work. They will carry out instruction of Engineer-In-Charge and other senior officers of the Department during the progress of work.

Use of quality materials: Only quality materials of reputed make as specified in the tender will be used in work.

9. Testing (if applicable):

All testes prescribed in this General Specification, to be done before, during and after installation, shall be carried out, and the test results shall be submitted to the Engineer-In Charge in prescribed Performa, forming part of the Completion Certificate.

10. Warranties/Guarantee:

- Construction of Toilet block behind Central Library with all associated accessories and work executed under said contract are to be guaranteed for trouble free operation, maintenance and service. The warranty should cover defects due to faulty manufacture, workmanship or material for **one year from the date of completion** and handed over with the requisite documentation.
- Any construction defect found in the Civil/ Electrical work, or any part thereof so found defective during this period shall be repaired/ replaced by the Contractor free of charge to the satisfaction of the Engineer- in-Charge and as per terms and conditions of NIT/ agreement executed with IIT Goa.
- In case it is felt by the Institute that undue delay is being caused by the contractor in attending the defect/fault removed, the same will be got done by the department at the risk and cost of the contractor. The decision of Engineer-In-Charge in this regard shall be final.



11. Safety Code & Labour Regulations

- In respect of all labour employed directly or indirectly on the work for the performance of the contractor's part of work, the contractor at his own expense, will arrange for the safety provisions as per the statutory provisions, B.I.S. Recommendations, Factory Act, workmen's compensation act, CPWD code and instructions issued from time to time. Failure to provide such safety requirements would make the bidder liable for penalty for Rs. 200/- for each violation. In addition, the Engineer-In-Charge, shall be at liberty to make arrangements and provide facilities as aforesaid and recover the cost from the contractor.
- The contractor shall provide necessary barriers, warning signals and other safety measures wherever necessary so as to avoid accident. He shall also indemnify CPWD against claims for compensation arising out of negligence in this respect. Contractor shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause. The department shall not be responsible for any accident occurred or damage incurred or claims arising there from during the execution of work. The contractor shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the contractor due to the above provisions thereof.

12. Completion Period

The completion period of **45 days** indicated in the tender documents is for the entire work of planning, designing, etc., arrangement of materials & equipment's, delivery at site including transportation, installation, testing, commissioning and handing over of the entire system to the satisfaction of the Engineer-In-Charge.

13. Extent of Work

The work shall comprise of entire labour including supervision and all materials necessary to make a complete installation and such tests and adjustments and commissioning, as may be required by the department. The term complete installation shall not only mean major items of the plant and equipment's covered by specifications but all incidental sundry components necessary for complete execution and satisfactory performance of installation with all layout charts whether or not those have been specifically mentioned in bill of quantity in the tender document. However, major equipment not covered in the scope of the work and required subsequently as an additional feature, not covered in the contract specifications, shall be paid extra. The decision of the Engineer-In-Charge in the matter shall be final and binding upon the contractor.

14. Compliance with Regulations and Indian Standards

- All works shall be carried out in accordance with relevant regulation, both statutory and those specified by the Indian Standards related to the works covered by this specification. In particular, the equipment and installation will comply with the following:
 - Factories Act.
 - Indian Electricity Rules.
 - B.I.S. & other standards as applicable.
 - Workmen's Compensation Act.
 - Statutory norms prescribed by local bodies like CEA, Power Supply Co., etc.
- Nothing in this specification shall be construed to relieve the successful bidder of his responsibility for the design, manufacture and installation of the equipment with all accessories in accordance with currently applicable statutory regulations and safety codes.
- Successful bidder shall arrange for compliance with statutory provisions of safety regulations and departmental requirements of safety codes in respect of labour employed on the work by the bidder. Failure to provide such safety requirement would make the bidder liable for penalty as decided by the Institute authority. In addition, the department will be at liberty to make arrangement for the safety requirements at the cost of bidder and recover the cost thereof from him.



15. Insurance and Storage

All consignments are to be duly insured upto the destination from warehouse to warehouse at the cost of the contractor. The insurance covers shall be valid till the equipment is handed over duly installed, tested and commissioned.

16. Indemnity

The successful bidder shall at all times indemnify the department, consequent on this works contract. The successful bidder shall be liable, in accordance with the Indian law and regulations for any accident occurring due to any cause and the contractor shall be responsible for any accident or damage incurred or claims arising there from during the period of erection, construction and putting into operation the equipment's and ancillary equipment under the supervision of the successful bidder in so far as the latter is responsible. The successful bidder shall also provide all insurance including third party insurance as may be necessary to cover the risk in his own interest. No extra payment would be made to the successful bidder on account of the above.

17. Order of Preference:

Should there be any difference or discrepancy between the description of items as given in the Schedule of Quantities, technical specifications for individual items of work (including additional and commercial conditions) and IS Codes etc., the following order of preference shall be followed:

1. Schedule of quantities
2. Additional and Commercial Conditions
3. Technical specifications specified in the tender
- 4.
5. General Conditions of Contract for CPWD Works
6. Drawings
7. CPWD General Specifications
8. Relevant IS or any other International code in case IS code is not available.

18. Safety Measures

- All equipment's shall incorporate suitable safety provisions to ensure safety of the operating personnel as per manufacturer's standard practice.
- Work is to be carried out in such a manner that existing working of the building is not hindered. No payment on A/c of idle labour for this reason shall be made to contractor.
- The issue of construction safety & standards has gained utmost importance in recent times. Contractors must follow highest safety standards and "ZERO" tolerance towards any violation of safety norms at the construction site. All workers of contractor and associate agencies, invariably and at all the times, must follow all safety norms, adopt best safe work practices as per requirement of job and use all required safety gadgets in their working throughout the project duration.

Note:

- 1) The special conditions detailed above are in addition to general/ other/ additional conditions as specified elsewhere in tender document.
- 2) Nothing extra shall be paid on the account of these special conditions. The Engineer-in Charge can stop the work and seek removal of any workers from site in case of non-adoption of safety measures.



SCOPE OF WORK & SPECIAL CONDITIONS OF CONTRACT

Construction of Toilet block behind Central Library

1) Major items of work are as follows

- (i) Earth work in excavation.
 - (ii) Cement concrete work
 - (iii) R.C.C work
 - (iv) Structural steel work in single section and built up tubular section.
 - (v) Painting of structural steel
 - (vi) Providing and fixing of carpentry and plumbing fitting & fixtures accessories
 - (vii) Providing and laying of cement concrete paver block
 - (viii) Providing and fixing of galvalume profile sheet, PVC Rain water gutter
 - (ix) Supplying, laying, spreading and compacting hard stone boulder
 - (x) False ceiling work
 - (xi) SITC of Exhaust fan
 - (xii) SITC of Indoor LED surface mounted 15watt Light
 - (xiii) Wiring & Conduiting
- 2) Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid.
 - 3) A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents.
 - 4) Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done.
 - 5) Bidders are requested to do the work as per the CPWD guidelines and as per the detailed item description in the schedule of quantity.
 - 6) **Water required for the works shall be arranged by the contractor. The electricity consumed for the works will be charged as per the meter readings and at the same rate at which IIT Goa pays to the electricity department. However, the energy meter and the other electrical installations required to measure and use the electricity consumption shall be arranged by the contractor.**
 - 7) The successful bidder shall not assign or sublet the work or any part of it to any other person or party without permission of Site In charge. If doing so, the contract will be terminated and the balance work would be executed on risk and cost of bidder and also the PBG will be encashed.
 - 8) Necessary drawings and plan of the shed behind PG block is attached in the tender document for reference.
 - 9) The work shall be carried out in accordance with the drawings, item of works, quantity and specification mentioned in the tender document. In case of any difference noticed between drawings, final decision and according to the site condition, in writing of the Engineer-in-Charge shall be obtained by the contractor. Samples shall be arranged before starting of particular items of work for prior approval of the Engineer-in-Charge and nothing extra will be payable on this account.



- 10) Work shall be carried out in professional manner with finished product serving the intended purpose with specified strength, durability and aesthetics.
- 11) The **Contractor shall submit all permissions, licenses, registration certificates, bar charts,** other statements etc under various labour laws and other regulations applicable to the works, at his site office.

SPECIAL CONDITION AND QUALIFICATION FOR ASSOCIATION OF ELECTRICAL CONTRACTOR

Eligibility Criteria

- 1) The Specialized agency should have valid OEM (Kirlosker/Cummins) authorized service provider certificate in case the main contractor himself herself is OEM authorized service provider then MoU is not required however, main contractor has to submit following documents valid OEM authorization service provider certificate.
- 2) In addition to the eligibility criteria, the proposed associated specialized agency shall submit the copy of registration certificate in GST, valid electrical contractor license, if applicable, duly attested by the Main Contractor.
- 3) In case, the associated specialized agency is not performing satisfactorily or failure of agency to complete the work, the main contractor, on the directions of the IIT Goa in writing, shall remove the associated specialized agency deployed on the work and shall associate the new specialized agency. who fulfills the conditions mentioned in NIT to execute the leftover work without any loss of time.
- 4) No change in associated specialized agency will be allowed without prior approval of the IIT Goa.
- 5) If any equipment supplied for the work, during the currency of the earlier associated specialized agency and paid partly by the IIT Goa, becomes redundant not in a position to be installed and commissioned and put to beneficial use due to change in agency for execution of E&M works, the main contractor shall be liable for completion of such work at no cost to the Institute.
- 6) Tender accepting authority reserves the right to the change of Sub-Agency in case it is required during the currency of the contract.
- 7) The main contractor shall be responsible and liable for proper and complete execution of the E&M works/services and ensure coordination and completion of works.
- 8) The Institute shall not entertain any kind of dispute regarding the same, between Main Contractor & associated specialized agency.
- 9) The contractor Should have appropriate (MV or above) valid electrical contractor's license issued by Govt. of Goa. If the bidder does not have a valid contractor license, then he/she must have the willingness from a licensed contractor for supervising the work to whom such license is issued by the Govt. of Goa for carrying out the electrical work in MV category or above. The willingness letter (as given in Form-F) along with a copy of the valid license (attested by the bidder and license holder) must be submitted with the technical bid. The license must be valid during the execution period of the work.



FORM - A

FINANCIAL INFORMATION

- I. Financial Analysis - Details to be furnished duly supported by figures in balance sheet/ profit & loss account for the last five financial years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be uploaded).

Financial years					
Gross Annual Turn Over					
Profit/Loss					

- II. Financial arrangements for carrying out the proposed work.

Signature of Chartered Accountant

Name of Chartered Accountant

Membership No. of ICAI

Date and Seal

Signature of Bidder(s)



FORM - B

DETAILS OF ELIGIBLE SIMILAR NATURE OF WORKS COMPLETED DURING THE LAST SEVEN YEARS ENDING PREVIOUS DAY OF LAST DAY OF SUBMISSION OF TENDERS

S. No.	Name of work/project and location	Owner or sponsoring organization	Cost of work in crores of rupees	Date of completion as per contract	Stipulated date of completion	Actual date of completion	Litigation / arbitration cases pending/ in progress with details*	Name and address/ telephone number of officer to whom reference may be made	Whether the work was done on back to back basis Yes/ No
1	2	3	4	5	6	7	8	9	10

* Indicate gross amount claimed and amount awarded by the Arbitration Tribunal.

Signature of Bidder(s)



FORM - C

ORGANIZATION STRCUTURE

1. Name & address of the bidder
2. Telephone no./Telex no./Fax no.
3. Legal status of the bidder (Scan & upload copies of original document defining the legal status)
 - (a) An Individual
 - (b) A proprietary firm
 - (c) A firm in partnership
 - (d) A limited Company or Corporation
4. Particulars of registration with various Government Bodies (Scan & upload attested photocopy)

S. No.	Organization/Place of registration	Registration No
1		
2		
3		

5. Names and titles of Directors & Officers with designation to be concerned with this work
6. Designation of individuals authorized to act for the organization
7. Has the bidder, or any constituent partner in case of partnership firm, limited company / Joint Venture, ever been convicted by the court of Law? If so, give details
8. In which field of Civil Engineering construction the bidder has specialization and interest?
9. Any other information considered necessary but not included above

Seal & Signature of Bidders



FORM – D

**PARTICULARS FOR REFUND OF EMD TO SUCCESSFUL/UNSUCCESSFUL
BIDDER**

1	Name of Bidder	
2	Permanent Account Number (PAN)	
3	Particulars of Bank Account	
	a) Account No.	
	b) Name of Account Holder	
	c) Name of Bank	
	d) IFSC/NEFT/RTGS Code	
	e) Type of Account	
	f) Bank Branch Address	
	g) City Name	
	h) Telephone No./Mobile No.	
4	Email id of the bidder	
5	Telephone No./Mobile No. of bidder	

Note: Please attach original cancelled cheque along with RTGS/NEFT mandate form.

Seal & Signature of Bidders



FORM – E

(To be submitted on Non-Judicial Stamp Paper of Rs. 100/-)

UNDERTAKING

I/we hereby certify that the firm has not been ever blacklisted or penalized or not have any involvement in illegal activities or financial misappropriation/frauds etc. by any Central/ State/ Public Sector Undertaking /Autonomous bodies /Institute of Govt. of India on any account.

I/we undertake and confirm that eligible work(s) has/ have not been got executed through another contractor on back-to-back basis. Further that, if such violation comes to the notice of Institute then. I/we shall be liable for appropriate panel action as decided by Institute i/c debarred for work in institute, in future forever.

Also, if such a violation comes to the notice of Institute before date of start of work, the Engineer-in- charge shall be free to forfeit the entire amount of Earnest money deposited/Performance Guarantee.

I also certify that the information given in the bid is true and correct in all aspects and if in any case at a later date it is found that any detail/s provided are false and incorrect, any contract given to the concern firm or participation may be summarily terminated at any stage, the firm will be blacklisted and Institute may imposed any action as per rules.

Date:

Name :

Place:

Business Address :

Signature of Bidder :

Seal of the Bidder :

Notary seal and sign:



FORM - F

(Willingness letter to be printed on the letter-head of the Licensed Contractor to whom the license is issued by the Govt. of Goa)

WILLINGNESS FOR SUPERVISION

I, Shri _____, proprietor/owner of the firm M/s _____ having valid MV contractor license No. _____ from Govt. of Goa. Do hereby submit my willingness that the Electrical work named " _____ " as per the NIT No. _____, dtd _____ at IIT Goa transit campus at GEC, Farmagudi, Ponda shall be carried out under my supervision in case the work is awarded to M/s _____ who is participating as a bidder for the said work as stated above (NIT No. _____, dtd _____). I further undertake that the work shall be carried out as per the I.E. Rules 1956(latest amendment) and as per the statutes/local rules/notices of Goa Electricity Dept, Govt. of Goa brought from time to time. Further, I undertake that I will not claim any payment from IIT Goa for supervising the above work on behalf of M/s _____. I undertake that my license is valid/shall remain valid during the period of execution of work. It is clearly understood that the work of supervision done by me is on behalf of the bidder M/s _____ and I will not have any claim/payment whatsoever from IIT Goa relating to my supervision of this work.

Signature with Date:

Official Seal:
Copy of contractor's license
signed by the bidder and the
license holder.



Appendix – 'A' ARTICLE OF AGREEMENT

(To be executed on non-judicial stamp paper of Rs.500/-)

Agreement No: _____

Dated: _____

CONTRACT FOR THE WORK OF <name of work>

ARTICLE OF AGREEMENT made at Indian Institute of Technology Goa, this (Date of Agreement), (Two thousand twenty four), BETWEEN Indian Institute of Technology Goa, an Institute of National Importance under The Institute of Technology Act, 1961 (here in after referred to as the Institute or IIT Goa) which expression shall include its Successors and assigns and all the persons for the time being in management of the Institute of the one part and (M/s Name of the Agency with Address) trading in the name and style of xxxxxxxx (hereinafter referred to as the contractor(s)) which expression shall include his/their respective heirs, executors, administrator and assign/its successors and assigns other part.

WHEREAS IIT Goa is desirous of getting the work of ("Name of the work") at IIT Goa, GEC Campus, Farmagudi, Ponda, Goa - 403401 done and has caused drawings, schedule of quantities and specifications describing the work to be prepared.

AND whereas the said drawing numbered one to xxxxxxxxxxxxxxxx inclusive of specifications and the priced schedule of quantities have been signed by or on behalf of the parties hereto.

AND whereas the contractor has deposited cash in bank through (Payment Form & Details) with IIT Goa as a security for the due performance & EMD respectively of this agreement as provided in the said condition.

NOW IT IS HEREBY AGREED AND DECLARED BY AND BETWEEN THE PARTIES HERETO AS FOLLOW:

1. In consideration of the payments to be made to his as hereinafter provided, the contractor's shall upon and subject to the conditions herein contained and the said conditions, execute and complete the work shown upon the said drawings and such further detailed drawings as may be furnished to him and described in the said Specifications and the said price schedule of quantities within (Time Period of Work) from the date of order to commence work.
2. IIT Goa shall pay to the contractor such sums as shall become payable hereunder at the time and in the manner specified in the terms & conditions.
3. Time is the essence of this agreement and the contractor shall pay or allow IIT Goa the sum equivalent to 2% (two percent) per month of delay subject to maximum of 5% of work order value to be computed on per day basis based on quantum of damage suffered due to stated delay on the part of Contractor.
4. The term Engineer in the said conditions shall mean the Engineer, IIT Goa or in the event of this agreement such other persons as shall be nominated for that purpose by IIT Goa will be the Engineer-In-Charge for the work. Directions given or expressed in writing by the Engineer-In-Charge from time to time shall be binding.



5. The plans, agreement and documents above mentioned shall form the basis of this agreement and the decision of the said engineer or the other engineer for the time being as mentioned in the said conditions, in reference to all matters of dispute as to material and workmanship shall be final and binding on both the parties.
6. IIT Goa, through the Engineer reserves to himself the right of altering the drawings and of adding or omitting any items or work or of having portions of the same carried out departmentally or otherwise and such alterations or variations shall not vitiate this agreement.
7. This Agreement comprises the work above and all subsidiary works connected therewith, even though such works may not be shown on the drawings, or described in the said specifications or the priced schedule of quantities.
8. All disputes and difference of any kind whatsoever except as excluded by Clause 6 arising out of or works (whether during the progress of the work or after their completion and whether before or after the determination, abandonment or breach of the contract) shall be amicably settled or referred to dispute resolution committee. In exceptional cases, disputes shall be referred to conciliation/mediation/arbitration as per clauses of contract. The provisions of the law applicable to conciliation/mediation/arbitration for or any statutory modification or reenactment thereof and of the rules made there-under for the time being in force shall apply to said proceedings under this clause. The sole conciliator/mediator/arbitrator shall be decided by the Director, IIT Goa which shall be accepted by the party..
9. All the terms & Conditions & specifications stated in the offer of the contractor and work order issued by IIT Goa shall be an integral part of the agreement.

In witness whereof the parties hereto have set their respective hands the day and the year herein above written.

Signed by the said Contractor:
In the presence of

(1)

(2)

Signed by for and done behalf of IIT Goa:
The presence of

(1)

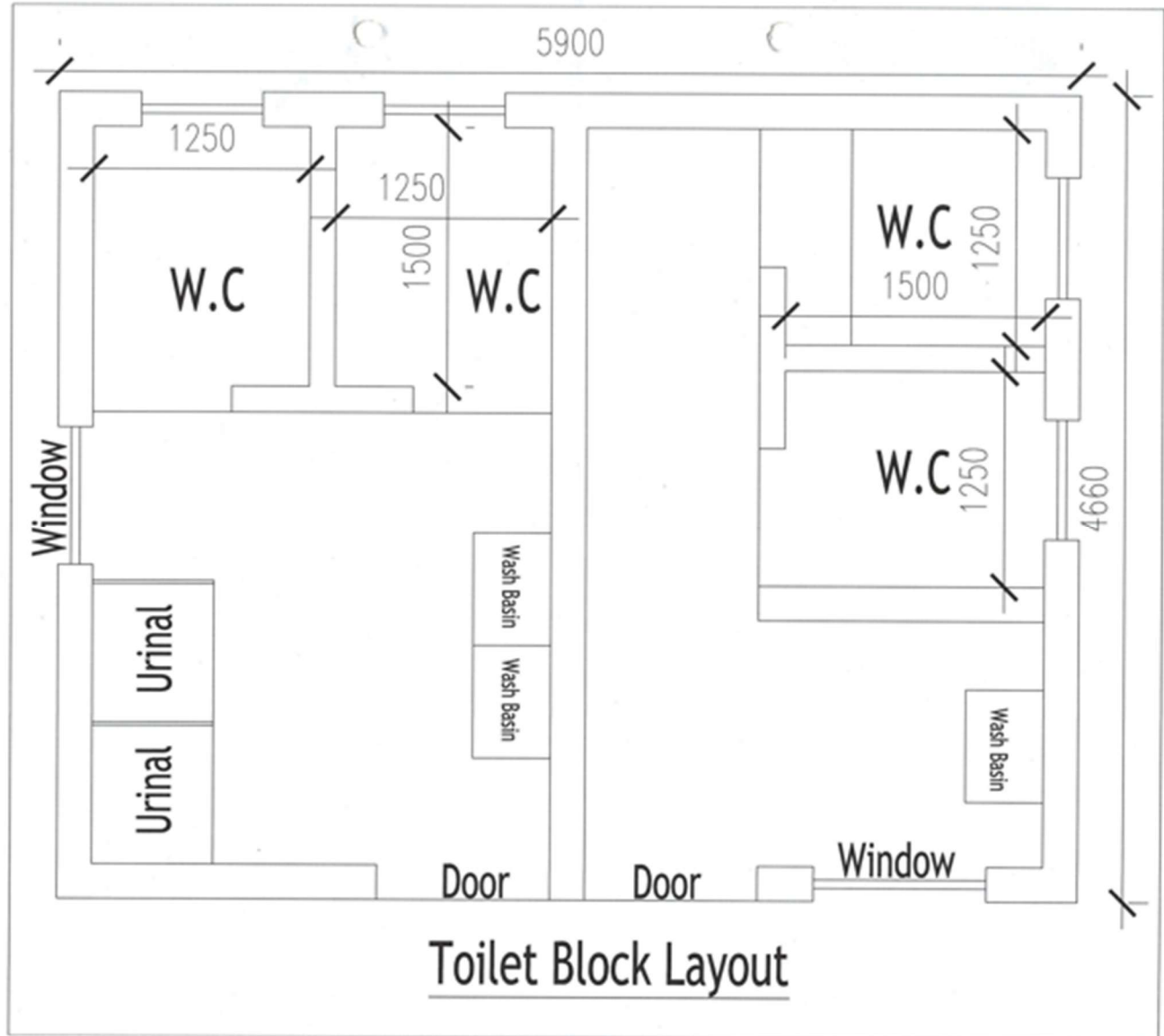
(2)



LIST OF ACCEPTED MAKES

1. Unless otherwise specified, the brand/make of the material as specified in the item nomenclature or in the particular specifications or in the list of approved materials attached in the tender, shall be used in the work.
2. The contractor shall obtain prior approval from the Engineer-In-Charge before placing for any specific brand/ make of material.
3. Whenever the specified brand of material is not available then, the Engineer-In-Charge may approve any material equivalent to that specified, subject to a definite proof being offered by the Contractor for its equivalence and its non-availability to his satisfaction.

Sr.No	Item Description	Make
1	Cement	ACC, Ultratech, JK Super
2	Structural Steel (Single Section)	Tata, Sail, JSW, Apollo
3	Structural Steel (Tubular Section)	Tata, JSW, Apollo
4	Steel Reinforcement bar	Tata ,JSW,Apollo
5	Aluminium-Zinc colour coated roofing sheets	Tata, JSW
6	Synthetic enamel paint	Asian Paint, Berger, Nerolac
7	Ceiling Fan/Exhaust Fans/BLDC Fan/Wall fan	CROMPTON GREAVES, ORIENT, HAVELLS, PHILIPS, ATOMBERG, HAVELLS
8	PVC Conduits and Accessories (ISI Marked, Heavy duty)	BEC, PRECISION, POLY-PACK, AKG, POLYCAB
9	Indoor Led Light Fixture (2x2, 1x1, Batten, Bulb etc) of all kind Surface/recess mounted square /Circular Mirror Light/Down lighter LED fitting	Havells/ Phillips/ Crompton Greaves/ Osram/Jaquar/ Surya/ Trilux/ Lighting Technology/ Bajaj





PART- C
FINANCIAL BID

SCHEDULE OF QUANTITIES –CIVIL WORKS

Estimate - Civil Works					
Sr.No	Item Description	Unit	Quantity	Item Rate(Rs.)	Amount(Rs.)
1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. i) Hard Rock (blasting prohibited)	cum	4.00	1184.3	5858.96
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : i) 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	3.02	7365.15	27489.17
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : i) 1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)	cum	1.60	6833.4	13509.41
4	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : i) 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size)	cum	2.31	8364.2	23898.28
5	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinthlevel up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	cum	1.53	10719.3	20198.31



6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. i) Thermo-Mechanically Treated bars of grade Fe-500D or more.	kgs	231.27	89.65	25614.89
7	Centering and shuttering including strutting, propping etc. and removal of form for : i) Foundations, footings, bases of columns, etc. for mass concrete	sqm	6.30	307.95	2396.88
8	i) Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	51.51	608.35	38712.82
9	Providing and laying Autoclaved Aerated concrete (AAC) blocks masonry with 150mm/230mm/300 mm thick with Grade-I AAC blocks of density 551 to 650 kg/ cum conforming to IS: 2185 (Part 3) in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for seperately).	cum	2.44	6994.15	21094.65
10	Providing and fixing 75 mm high, 50 mm deep and 18 mm thick stone slab table rubbed, edges rounded and polished, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth. i) Granite Stone of approved shade	sqm	1.13	3061.2	4288.74
11	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	sqm	75.64	1063.45	99381.43
12	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately). i) Second class teak wood	cum	0.07	131576.95	10650.72
13	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: i) 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	4.41	1881.95	10253.49
14	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.	kg	42.99	181	9613.92
15	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : i) 125 x 64 x 1.90mm	each	12.00	95.5	1415.83
16	Providing and fixing bright finished brass door latch with necessary screws etc. complete : i) 250x16x5mm	each	8.00	259.8	2567.76



17	Providing and fixing bright finished brass handles with screws etc. complete: i) 125mm	each	4.00	205.1	1013.56
18	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : i) 300 x 10mm	each	6.00	117.65	872.10
19	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.	metre	21.00	702.6	18228.57
20	30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames.	sqm	7.06	3496.75	30482.34
21	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete. i) 125mm	each	8.00	100.45	992.81
22	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	sqm	393.84	93.05	45275.29
23	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. i) Hot finished welded type tubes	kgs	677.76	154.9	129703.97
24	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc., complete.	sqm	27.97	1225.1	42336.54
25	Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :				
	i) Ridges plain (500 - 600mm)	metre	7.88	450.6	4383.96
	12 mm cement plaster of mix : i) 1:4 (1 cement: 4 coarse sand)	sqm	119.16	307.25	45233.89



26	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge.	sqm	78.06	461.85	44538.75
27	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : i) Water thinnable cement primer	sqm	43.52	64.45	3465.47
28	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: i) New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	sqm	78.06	162.35	15656.31
29	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : i) Two or more coats on new work	sqm	43.05	131.45	6991.71
30	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	43.52	123.85	6659.40
31	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. i) Two coats	sqm	43.52	121.55	6535.73
32	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : i) W.C. pan with ISI marked white solid plastic seat and lid	each	4.00	5540.55	27380.29
33	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : i) Range of two half stall urinals with 5 litre P.V.C. automatic flushing cistern	each	1.00	15115.4	18674.32
34	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	each	3.00	1913.75	7093.03
35	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	each	3.00	886.25	3284.75
36	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	each	3.00	1411.15	5230.22



37	Providing and fixing toilet paper holder : i) C.P. brass	each	4.00	680.8	3364.38
38	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : i) 100 mm inlet and 75 mm outlet - Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	each	6.00	553.45	4102.56
39	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	each	3.00	146.3	542.24
40	Providing and fixing uplasticised PVC connection pipe with brass unions : i) 45 cm length - 15mm nominal bore	each	9.00	85.2	947.34
41	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. i) 1000 litres tank	per litre	1000.00	9.7	11983.87
42	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore	each	4.00	434.2	2145.73
43	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore	each	2.00	594.75	1469.57
44	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931. i) 15mm nominal bore	each	6.00	500.35	3708.94
45	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design: i) 100x100 mm size P type - With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	3.00	2453.55	9093.72
46	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : i) 150mm dia R.C.C pipe	metre	5.00	493.1	3046.00
47	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : i) For fixed portion - Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	kgs	11.09	433.95	5944.54



48	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)i) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kgs	13.86	531.8	9106.19
49	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): i)With float glass panes of 4.0 mm thickness (weight not less than 10 kg/ sqm)	sqm	5.08	1019.8	6402.87
50	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. i) Upto 5mm depth and 5 mm width	metre	10.08	85.25	1061.65
51	Providing and fixing anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868. Minimum anodic coating of grade AC 15) sub frame work for windows and ventilators with extruded built up standard tubular sections of approved make conforming to IS: 733 and IS: 1285, fixed with dash fastener of required dia and size (Dash fastener to be paid for separately).	Kgs	10.00	357.9	4421.68
52	Providing & fixing false ceiling at all heights with GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having moisture content less than 2%, humidity resistance of 99%, NRC 0.50 to 0.75 as per IS 8225:1987, Non combustible as per BS 476 (part 4)-1970 and light reflectance of 85% (minimum) to be laid in true horizontal level suspended on interlocking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 15x32 mm of length 3000 mm, cross - T of size 15x32 mm of length 1200 mm and secondary intermediate cross-T of size 15x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall wood screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge. i) With semi perforated 12 mm thick micro tegular edged GRG false ceiling tiles.	sqm	24.96	1690.45	52128.72



<i>Market Rate Items</i>					
53	Supplying, laying, spreading and compacting with Hard stone boulder of minimum size of 200mm in foundation bases including, hand picking, placing, applying binding material to fill up intersitces of soling stones, watering and compacting as per the direction of Engineer-in-charge.	m3	3.74	2340.00	9315.64
54	Laterite Masonry in neatly dressed stones of as specified in cement mortar 1:5 (1 cement : coarse sand) in foundation and plinth.	m3	9.36	7929.00	78872.68
55	Laterite Masonry in neatly dressed stones of as specified in cement mortar 1:5 (1cement : 5 coarse sand) in supersructure	m3	16.67	7486.97	132723.67
56	Supply and filling with moorum upto plinth not exceeding 20 cm in depth i.e., watering , ramming , consolidation & dressing each layer all complete for all lead & lift (compacted qty shall be measured for payment.)	m3	9.98	1072.00	11380.47
57	Providing and fixing bright finished brass sliding door bolts with nessary screws etc complete. i) 300 x 16 mm	each	2	673.00	1431.20
58	Providing and fixing premium Aluminium-Zinc colour coated steel (galvalume) profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %), total coated thickness with zinc coating 150 grams per sqm as per IS: 277, in 550 mpa steel grade, 5-7 microns acrylic coating (Hexavalent / Trivalent) on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required	m2	47.71	832.62	42240.62
59	Providing and fixing Hand Shower (Health Faucet) of approved quality and make as per the direction of Engineer-in-charge. ALD-573 Hand Shower (Health Faucet) with 8mm Dia, 1 Meter Long Flexible Tube & Wall Hook of Jaquar or of equivalent make as approved by Engineer-in-charge	each	4	1553.55	6607.56
60	Providing and fixing Bib Cock of approved quality and make as per the direction of Engineer-in-charge - i) QQT-CHR- 7041 2-Way Bib Cock with Wall Flange of Jaquar or equivalent as approved by Engineer-in-charge	each	4	1920.70	8169.12
61	Providing and fixing on wall face unplasticised Rigid PVC SWR pipes conforming to IS : 13592 Type B, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. i) 75 mm diameter	metre	31.5	272.24	9118.39



62	Providing and fixing on wall face unplasticised-PVC moulded fittings / accessories for unplasticised Rigid PVC SWR pipes conforming to IS : 13592 Type B, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. i) Bend 87.5° - Door bend-75 mm diameter	each	10.00	89.85	955.38
63	Providing and fixing on wall face unplasticised-PVC moulded fittings / accessories for unplasticised Rigid PVC SWR pipes conforming to IS : 13592 Type B, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. i) Single tee with door - 75x75x75mm	each	4.00	231.08	982.83
64	Providing and fixing on wall face unplasticised-PVC moulded fittings / accessories for unplasticised Rigid PVC SWR pipes conforming to IS : 13592 Type B, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. i) PVC Vent Cowl - 75mm	each	2.00	20.00	42.53
65	Providing and fixing on wall face unplasticised-PVC moulded fittings / accessories for unplasticised Rigid PVC SWR pipes conforming to IS : 13592 Type B, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. i) Single pushfit Coupler - 75mm	each	10.00	99.38	1056.71
66	Providing and fixing unplasticised-PVC pipe clips of approved design to unplasticised-PVC SWR pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete. i) 75 mm	each	15.00	344.60	5496.20
67	Providing and fixing unplasticised PVC pipes, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step UPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.				
	i) 15 mm nominal dia pipes	metre	25.00	449.98	11961.59
	ii) 20 mm nominal dia pipes	metre	10.00	476.58	5067.48
68	Providing and fixing unplasticised PVC pipes, including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work				
	i) 20 mm nominal dia pipes	metre	15.00	251.1	4004.92
	ii) 25 mm nominal dia pipes	metre	30.00	310.5	9904.64
69	Providing and fixing UPVC ball valve of Astral make or equivalent to it and approved quality, high or low pressure, as per direction of Engineer-in-charge.				0.00
	i) 15mm nominal bore	each	5.00	201.68	1072.23
	ii) 20mm nominal bore	each	5.00	239.09	1271.12
	i) 25mm nominal bore	each	5.00	349.13	1856.15
	Total (Schedule Items)				1243978
	Amount in Words: Rupees Twelve Lakhs Forty Three Thousand Nine Hundred and Seventy Eight Only				



Estimate - Internal Electrical Works					
Sr.No	Item Description	Unit	Quantity	Item Rate(Rs .)	Amount(Rs.)
1	Supply ,installation,testing and commissioning of 200mm exhaust fan,power rating maximum 50 watts,wall mounted,with louvers to prevent entry of dust from outside, blade and body made of plastic, operating voltage 230 volts 50 Hz with suitable electrical cord complete as required.	each	6.00	2063	12378.00
2	Supply ,installation,testing and commissioning of indoor LED surface mounted 15 watt light fitting,flushmounted,color temperature 6500 Kelvin, operating voltage range 220-240 V,50 Hz,Surge protection$\leq 4.0\text{ KV}$,Power factor >math>= 0.95</math> ,CRI-80,Lumen output at least 90 lumen per watt	each	12.00	407	4884.00
3	Wiring for light point/fan point/exhaust fanpoint/call bell point with 1.5sq.mm FRLS PVC insulated copper conductor single core PVC conduit , with piano type switch,phenolic laminated sheet,suitable size M.S. box and earthing the point with 1.5 sq.mm.FRLS PVC insulated copper conductor single core cable etc as required.	each	18.00	1560	28080.00
Total					45342.00

