



**INDIAN INSTITUTE OF TECHNOLOGY GOA, GEC
CAMPUS, FARMAGUDI, PONDA, GOA, 403401**

**TENDER DOCUMENT FOR THE WORKS "ANNUAL
MAINTENANCE CONTRACT - CIVIL WORKS"**

NIT: IITGOA/C&EMD/2023/001 DT. 10-01-2023



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PART A (TECHNICAL BID)

1. NOTICE INVITING TENDER

1.1 INTRODUCTION

Indian Institute of Technology (IIT) Goa, invites sealed item rate tenders from the eligible contractors for various civil related maintenance and repair works of 1) Administration building 2) Offices 3) Academic Blocks 4) Classrooms 5) Laboratories 6) PG Block 7) Faculty Cabins 8) Central Library 9) Director's Bungalow 10) Mahalaxmi Bungalow 11) Portable Cabins 12) Workshop 13) Medical Dispensary 14) D-2/C Quarters 15) 640 capacity hostel premises.

PARTICULARS

| | |
|---|--|
| 1.NIT No | IITGOA/C&EMD/2023/001 |
| 2.Name of work | Annual Maintenance Contract – Civil Works |
| 3.Location of work | 1) Administration building 2) Offices 3) Academic Blocks 4) Classrooms 5) Laboratories 6) PG Block 7) Faculty Cabins 8) Central Library 9) Director's Bungalow 10) Mahalaxmi Bungalow 11) Portable Cabins 12) Workshop 13) Medical Dispensary 14) D-2/C Quarters 15) 640 capacity hostel premises. |
| 4.Estimated Cost | Rs. 16,90,130/- |
| 5. Tender Fees | Rs. 1,000/- |
| 6.Earnest Money Deposit | Rs. 33,803/- |
| 7. Performance Guarantee | Rs. 50,704/- |
| 8.Contract Period | 12 months |
| 9.Tender Basis and Mode | Two Bid System |
| 10.Mode of Payment to IIT Goa | a) For Tender Fees – Demand Draft b) For EMD- Demand Draft/ Fixed Deposit Receipt. c) For Performance Guarantee – Bank Guarantee/ Fixed Deposit Receipt N.B -The Demand Draft/ Fixed Deposit Receipt/ Bank Guarantee should be drawn in favour of IIT Goa Main Account payable at Goa. (Cheques will not be accepted) |
| 11. Date, Time & Venue of Pre-Bid meeting | 18-01-2023 at 11.00 hrs in C&EMD Office |
| 12. Closing Date & Time of Receiving of bids. | 02-02-2023 at 15.00 hrs |
| 13. Date & Time of opening of Technical Bids | 02-02-2023 at 15.30 hrs at C&EMD Office, IIT Goa |
| 14. Date & Time of opening of Financial Bids | Will be informed to all technically qualifying bidders later. |



| | |
|---|--|
| 15. Address of tender issue, submission and opening | a) Tender documents can be downloaded from i) Central Public Procurement Portal or IIT Goa Online Portal - https://www.iitgoa.ac.in (Under tender Section). b) Tender submission & opening place: C&EMD OFFICE, IIT GOA |
| 16. Website for full and updated information. | Central Public Procurement Portal & https://www.iitgoa.ac.in (Under tender Section) . |

Sd/-
Registrar,
IIT Goa



1.2 ELIGIBILITY CRITERIA

1.3.1 The bidder must be registered in appropriate class of works with Government Organization like CPWD/ PWD/ MES /PSUs/Reputed Private Firms or those having experience in similar nature of works awarded by Government / Semi Government Organizations/ Government Funded Autonomous Organization or having experience in execution of similar works in any reputed private firms. The registrations should be valid during the contract period.

1.3.2 The bidder must have done at least 1 (ONE) similar work of value of 80% of the estimated cost or 2 (TWO) similar works for projects each of value 60% of the estimated cost or 3(THREE) similar work for projects each of value 40% of the estimated cost with Government/ Semi-government/ PSU/ Government Funded Autonomous Organization or reputed Pvt. Organisations during last 7 (seven) years preceding last date of the month of tender submission or having experience in execution of similar works. In case of private works, the same shall be supported by TDS certificate for the work under consideration along with the document of having satisfactorily completed the above work to the satisfaction of Engineer-in -Charge.

Note:

- (i) The estimated cost is Rs. 16,90,130/- (Rupees Sixteen Lakhs Ninety Thousand One Hundred and Thirty Only).
- (ii) Similar works shall mean: Building maintenance works

1.3.3 The bidder must have GST registration certificate and Permanent Account Number of income tax.

1.3.4 The registrations and licenses should be valid during the execution phase.

1.3.5 A Certificate/ Undertaking on the letter head of the company to the effect that the bidder has not been blacklisted anywhere in India or abroad by any organization. An undertaking to this effect is required to be enclosed as given in ANNEXURE-A.

1.3.6 Average annual turnover for the last three years of the bidder as per ITCC or profit & loss statement shall not be less than the estimated cost (i.e. Rs. 16,90,130/-).

1.3.7 The agencies should enclose the self-attested copies of the following;

- a) Performance certificate.
- b) GST Registration.
- c) PAN
- d) EPFO Registration Certificate.
- e) ESIC Registration Certificate.
- f) Work order copy and completion certificate from previous client for similar work.
- g) TDS Certificate in support of private works as per criteria 1.3.2 along with work order copy and completion certificate.



- h) Registration under CPWD/PWD/MES/PSU & Others.
- i) Average Annual turnover for the last three years duly certified by CA.

2. INFORMATION TO BIDDERS

2.1 SCOPE OF WORK

- 2.1.1** IIT Goa invites tender for various civil related maintenance and repair works of 1) Administration building 2) Offices 3) Academic Blocks 4) Classrooms 5) Laboratories 6) PG Block 7) Faculty Cabins 8) Central Library 9) Director's Bungalow 10) Mahalaxmi Bungalow 11) Portable Cabins 12) Workshop 13) Medical Dispensary 14) D-2/C Quarters 15) 640 capacity hostel premises.
- 2.1.2** The contractor shall arrange to provide service on Saturdays, Sundays and other holidays in case of emergency as required by the Engineer in Charge, failing which penal recovery shall be made, decision of Engineer in Charge will be final.
- 2.1.3** The complaints received by the contractor during normal working hours should be attended to, at the shortest possible time.
- 2.1.4** The contractor shall provide daily report stating the nature of complaints/ work done, to the Engineer in Charge or authorized representative daily in the format.
- 2.1.5** The contractor shall provide & maintain a triplicate book for receiving the job complaint order from Engineer in Charge Daily in the approved format.
- 2.1.6** Each job is identified as following category based on its priority.
A - Normal (3 Working Days)
B - Urgent (1 Working Day)
Penal recovery as under shall be made for delay in execution of work:
A- Normal - Rs. 200.00 / Day
B- Urgent - Rs. 500.00/ Day
Decision of the Engineer in charge shall be final for deciding the job as A or B Category before allotting the job.
- 2.1.7** All the replaced items must be stored in the store room as specified by the Engineer in charge.
- 2.1.8** No debris shall be left over during the repair works under each item on any day. An area for 'Debris bins' will be identified on the request of contractor for collection of debris generated on day to day basis. The Debris from debris bin shall be cleared every month. The contractor must maintain adequate number of wheel barrows all the time for shifting the debris to Debris bin.
- 2.1.9** Minimum labour strength and adequate material to be maintained on regular basis. The minimum labour strength will include one carpenter and one plumber.
- 2.1.10** Police Verification Certificate of all workers shall be obtained by Contractor.



2.2 GENERAL INSTRUCTIONS

- 2.2.1 Bidding documents are to be downloaded electronically through websites: CPP Portal or IIT Goa Online Portal - <https://www.iitgoa.ac.in> (Under tender Section).
- 2.2.2 This bid document shall be read in conjunction with GCC (General Conditions of Contract) laid down in the CPWD manual and the applicable specifications of CPWD.
- 2.2.3 **The bidder shall visit and inspect the site and obtain all information at his/her own responsibility and at own cost, which may be necessary for the purpose of quoting and submitting the tender.** No excuse or ignorance as to the site conditions and local information shall be accepted after awarding of the contract. The Engineer-in-charge will grant access to the site on all working days within working hours.
- 2.2.4 The water required for the work shall be arranged by the agency whereas electricity will be provided by IIT Goa.
- 2.2.5 All clarifications about the tender shall be sought by the bidder on or before the pre-bid meeting. The bidders may make suggestions which shall be considered during the pre-bid meeting. No queries shall be entertained after notification of replies to noteworthy queries received till the date of pre-bid meeting.
- 2.2.6 **The bidders having MSME registration and claiming exemption for submission of tender fees and Earnest Money Deposit should duly fill and submit the Bid Security Declaration Form stated in Annexure B.**
- 2.2.7 Completion certificate issued by Competent Authority will only be considered as credential. If the Completion certificate issued by Competent Authority does not reflect the type of work, then Final bill / Schedule of Quantity of the qualifying works also to be attached along with the Completion certificates. Certificate from private organizations for whom such works have been executed shall also be accepted.
- 2.2.8 The bidding document (consisting of the schedule of quantities of various types of items to be executed, the set of terms and conditions of the contract and other documents / drawings, if any), corrigendum can be downloaded from the website: <https://www.iitgoa.ac.in> (Under tender Section) or CPP Portal. The institute shall not be responsible for any delay / difficulties / inaccessibility of downloading facility for any reason whatsoever.
- 2.2.9 All costs, charges & expenses that may be incurred in connection with the preparation of the tender shall be borne by contracting agency and the Institute accepts no liability whatsoever therefore. No extra payment other than the amount quoted by the agency in the Financial Bid shall be admissible.
- 2.2.10 **Rates quoted by the bidders shall be inclusive of labour charges, GST (Goods and Services Tax -Central, State and Interstate), applicable taxes, overheads and profits. Income Tax and all other statutory deductions like labour cess etc. will be deducted from the bill as per prevailing rules.**
- 2.2.11 Exemption to IIT Goa against any tax/ duty/ fee/ surcharge/ charge/ cost, if any, found applicable or sought later from IITGoa after award shall be passed on to IIT Goa by the contractor without dispute.



- 2.2.12** IIT Goa reserves the right to reject any or all of the bids without assigning any reason.
- 2.2.13** Bid Validity: Bid shall remain valid for 120 days from the date of opening of price bid.
- 2.2.14** Firm Price: Bidder's quoted Rates/Prices for executing the activities under the Contract shall remain firm till the period of one year from the date of issue of work order & shall not attract any escalation under any circumstances whatsoever.
- 2.2.15** Materials required for satisfactory completion of work shall be of approved quality, make, grade etc. and confirming to the Indian Standard Specifications (Latest revision) wherever applicable and as approved by the Engineer-in-charge. All material before fixing/ installation should be shown to the engineer-in-charge for quality check and approval.
- 2.2.16** Payment shall be made on the basis of actual measurement carried out. Security deposit @ 5% of the completed value shall be retained with IIT Goa for a period of one year of defect liability period. If any defect in the work is detected within one year of completion date due to bad workmanship or material supplied by the contractor, the same shall be made good by the contractor free of cost to IIT Goa. In case the contractor fails to rectify the defect promptly, the defect will be rectified and made good by IIT at the risk and cost of the contractor. The amount shall be recovered from the security deposit amount.
- 2.2.17** If any information furnished by the bidder is found to be false / fabricated, then his bid will be rejected and treated as cancelled. If such manipulation is detected at any stage after signing of the contract, it would lead to termination of the contract besides forfeiture of Performance Guarantee and liabilities towards prosecution. In such cases the bidder will be debarred from participation in future tendering process in IITG for next two years.

2.3 SUBMISSION OF TENDER

- 2.3.1** The sealed tenders shall be received at the C&EMD Office, IIT Goa, Goa College of Engineering Campus, Farmagudi, Ponda Goa-403401 up to 15:00hrs, 02nd February 2023 or as per Corrigenda otherwise.
- 2.3.2** Tenders received after the due date and time shall not be considered.
- 2.3.3** Tenders shall be submitted in a sealed Master envelope super scribed "Annual Maintenance Contract - Civil Works" with the NIT No. IITGOA/C&EMD/2023/001 dt 10-01-2023, containing three separate sealed covers, each clearly super scribed as "Tender Fees & EMD", "Technical Bid" and "Financial Bid" respectively, in the following manner.

Envelope-1 will consist of Tender Fees & Earnest Money Deposit (EMD) of requisite amount (in the prescribed mode or proof of payment thereof) / Bid Security Declaration (For MSME Registered Firms). Tender without submission of Tender Fees & Earnest Money Deposit (EMD) or Bid Security Declaration would be summarily rejected.

Envelope-2 (Technical Bid) will consist of:

- Covering letter of the offer signed by firm's authorized signatory.
- Complete tender document, each page duly signed and stamped by the bidder as acceptance of the conditions. The name of the person signing the bid



documents with his designation in the firm/company must be clearly mentioned.

- Documents establishing the identity and authenticity of the bidder/ bidding firm. A brief profile of the firm / agency may be submitted for introduction of the agency.
- Self-certified copies of all the documents in support of eligibility of bidder ref. clause 1.3
- Undertaking by the bidder as per ANNEXURE-A (Undertaking by the bidder).
- A letter from the firm/ company/ agency may be submitted authorising the person for signing tender documents for this bid with his/ her name and relationship with the firm/ company/ agency and his/ her signature duly attested by the owner/proprietor/ executing party/ Board of Directors of the firm / agency.

Envelope-3 (Financial Bid) will consist of Financial Bid duly filled-in, signed by the bidder or his/her authorized signatory and stamped. The name of the person signing the bid document with his designation in the firm/company must be clearly mentioned.

2.4 EVALUATION OF BIDS AND AWARD OF WORK

2.4.1 The bids will be opened on the specified date and time of opening at the C& EMD Office, IIT GOA, GEC Campus, Farmagudi, Ponda Goa in the presence of willing bidders or their authorized representatives.

2.4.2 Bids shall, first be checked for Tender Fees & Earnest Money Deposit/ Bid Security Declaration. Only those bids found to have duly submitted the Tender Fees & Earnest Money Deposit/Bid Security Declaration shall be considered for evaluation and opening of envelope-2.

2.4.3 Evaluation of Bid: The bids received will then be assessed on the eligibility criteria mentioned at para 1.3 of Notice Inviting Tender. Bids found not meeting the eligibility criteria shall be considered non-responsive and shall be rejected.

2.4.4 IIT Goa retains the right to revert back to individual bidders with further clarifications /queries on the bid. The bidder has to respond to the queries within the specified time mentioned in the covering letter failing which they may be considered as non-responsive and shall be rejected.

2.4.5 Evaluation of Financial Bids: The financial bid of those firms shall be opened who qualify the technical bid. The date & time for opening of the Financial Bid shall be separately intimated to the qualifying firms/ agency. The Financial Bid should contain the complete financial bid document signed by the authorised representative of the firm and the financial bid should be duly filled in Indian Rupees. Financial Bids opened as above will be checked for arithmetical errors. The work will be finalised on lowest quotation basis.

2.4.6 The bidder quoting the lowest rate (L1) shall be issued work order for carrying out the work and such bidder is required to furnish a Performance Guarantee (Format mentioned in Annexure C) within seven days from the date of issue of work order.

2.4.7 Conditional tender will not be accepted.



- 2.4.8** Agreement (Contract) consisting of complete tender document including all terms and conditions, bill of quantities, technical proposal and specialized services, drawings, if any, and acceptance thereof together with any correspondence leading thereto, shall be drawn and signed with the awardee after issue of Work Order.
- 2.4.9** Date of start of work shall be reckoned from the date of issue of “Work Order”.



PART B (FINANCIAL BID)

1. SCHEDULE OF QUANTITIES - CIVIL WORKS

| | |
|---|--|
| Name of work: Annual maintenance and repairs of IIT Goa administration building, offices, academic blocks, classrooms, laboratories, PG Block, Faculty Cabins, Central Library, Director's Bungalow, Mahalaxmi Bungalow, Portable Cabins, Workshop, Medical Dispensary, D-2/C & 640 capacity hostel premises | |
| Schdeule of Quantities | |
| | NOTES : |
| | a) The contractor shall arrange to provide the service on Saturday, Sunday and other holidays in case of emergency as required by Engineer in charge, failing which penal recovery shall be made, decision of Engineer in charge will be final. |
| | b) All breakdown calls /complaints received during normal working hours should be attended to, at the shortest possible time. |
| | c) The contractor shall provide daily report stating the nature of complaints / work done to the Engineer in charge or authorized representative daily in the format. |
| | d) The contractor shall provide & maintain triplicate book for receiving the job complaint order from Engineer in charge daily in the approved format. |
| | e) Each job is identified as following category based on its priority. A - Normal - 3working days B - urgent - 1 working day Penal recovery as under shall be made for delay in execution of work A - Normal - Rs 200.00/ day B - urgent - Rs 500.00/ day decision of Engineer in charge shall be final for deciding the job as A or B Category before allotting the job. |
| | f) All the replaced items must be stored in the store room as specified by the Engineer in charge |
| | g) No debris shall be left over during the repair works under each item on any day. An area for 'Debris bins' will be identified on the request of contractor for collection of debris generated on day to day basis. The Debris from debris bin shall be cleared every month. The contractor must maintain adequate number of wheel barrows all the time for shifting the debris to Debris bin. |
| | h) Minimum labour strength and adequate material store to be maintained on regular basis as under: a) Carpenter = 1 No. b) Plumber = 1 No. |
| | i) Police Verification Certificate of all workers shall be obtained by Contractor. |
| | j) Department labour (for other miscellaneous works not specified below) if required shall be provided by the contractor as and when the engineer in charge informs about it. The material for which if required will be provided by IIT Goa. The departmental labour will be paid as per prevailing market rates. |
| | |



| <u>Schedule of Quantities</u> | | | | | |
|-------------------------------|---|------|----------|------------|--------------|
| Sr.No | Item Description | Unit | Quantity | Rate (Rs.) | Amount (Rs.) |
| 1 | Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in- Charge: i) All kinds of soil | | | | |
| | a) all kinds of soils | sqm | 250 | | |
| 2 | 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. | | | | |
| | a) all kinds of soils | cum | 2 | | |
| | b)hard rock (blasting prohibited) | cum | 20 | | |
| 3 | Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : | | | | |
| | a) all kinds of soils | | | | |
| | i) pipes,cables.etc not exceeding 80mm dia | m | 10 | | |



| Sr.No | Item Description | Unit | Quantity | Rate (Rs.) | Amount (Rs.) |
|-------|---|------|----------|------------|--------------|
| 4 | Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth upto 1.5 m, including getting out the excavated materials, returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layers by ramming, watering etc., stacking serviceable material for measurements and disposal of unserviceable material as directed, within a lead of 50 m : | | | | |
| | a) ordinary rock | | | | |
| | i) pipes,cables.etc exceeding 80mm dia but not exceeding 300mm dia | m | 20 | | |
| 5 | 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 | 10 | | |
| 6 | 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 | 10 | | |
| 7 | Centering and shuttering including strutting, propping etc. and removal of form for : | | | | |
| | i) Foundations, footings, bases of columns, etc. for mass concrete | sqm | 50 | | |
| | ii) Columns, Pillars, Piers, Abutments, Posts and Struts | sqm | 20 | | |
| 8 | 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. | kg | 500 | | |



| Sr.No | Item Description | Unit | Quantity | Rate (Rs.) | Amount (Rs.) |
|-------|---|-------|----------|------------|--------------|
| 9 | Providing and fixing chromium plated brass curtain rod having wall thickness of 1.25mm with two chromium plated brass brackets fixed with C.P. brass screws and PVC sleeves etc., wherever necessary complete : i) 20 mm dia | metre | 12 | | |
| 10 | Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated brackets: 1)20mm dia(heavy type) | metre | 60 | | |
| 11 | Providing and fixing ISI marked, IS : 1341, M.S. heavy weight butt hinges with necessary screws etc. complete: | | | | |
| | i) 125x90x4.00 mm | nos | 10 | | |
| | ii) 100x75x3.50 mm | nos | 10 | | |
| 12 | Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : | | | | |
| | i) 125x64x1.90 mm | nos | 10 | | |
| | ii) 100x58x1.90 mm | nos | 10 | | |
| 13 | Providing and fixing bright finished brass butt hinges with necessary screws etc. complete : | | | | |
| | i) 125x70x4 mm (ordinary type) | nos | 20 | | |
| | ii) 100x70x4 mm (ordinary type) | nos | 10 | | |
| 14 | Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete : 1)250x10mm | nos | 10 | | |
| 15 | Providing and fixing bright finished brass door latch with necessary screws etc. complete : 1)300x16x5mm | nos | 5 | | |
| 16 | Providing and fixing bright finished brass handles with screws etc. complete: 1)125mm | nos | 5 | | |
| 17 | Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete. | nos | 10 | | |
| 18 | Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete. | nos | 15 | | |



| Sr.No | Item Description | Unit | Quantity | Rate (Rs.) | Amount (Rs.) |
|-------|---|-------|----------|------------|--------------|
| 19 | Providing and fixing aluminium sliding door 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 nuts and screws etc. complete : | | | | |
| | 1)300x16mm | nos | 5 | | |
| | 2)250x16mm | nos | 5 | | |
| 20 | 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 : | | | | |
| | 1)300x10mm | nos | 5 | | |
| | 2)250x10mm | nos | 5 | | |
| 21 | Providing and fixing aluminium handles, 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 : | | | | |
| | 1)125mm | nos | 5 | | |
| 22 | Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete. | | | | |
| | 1)twon rubber stopper | nos | 50 | | |
| 23 | 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 15mm 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 | 50 | | |



| Sr.No | Item Description | Unit | Quantity | Rate (Rs.) | Amount (Rs.) |
|-------|---|------|----------|------------|--------------|
| 24 | Providing and fixing to existing door frames.i) 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 | 20 | | |
| 25 | 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 | kg | 200 | | |
| 26 | 62 mm thick cement concrete flooring with concrete hardener topping, under layer 50 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate, 6mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacture's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete. | sqm | 36 | | |
| 27 | Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, | | | | |
| | (i) Single socketed pipes | | | | |
| | i) 110 mm diameter | mtr | 25 | | |



| Sr.No | Item Description | Unit | Quantity | Rate (Rs.) | Amount (Rs.) |
|-------|---|------|----------|------------|--------------|
| 28 | Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water 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) 110mm | nos | 25 | | |
| | Cement Plaster in coarse sand | | | | |
| 29 | 12 mm cement plaster of mix : i) 1:4 (1 cement: 4 coarse sand) | sqm | 30 | | |
| 30 | 20 mm cement plaster of mix : ii) i) (1 cement: 4 coarse sand) | sqm | 20 | | |
| 31 | 18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand). | sqm | 20 | | |
| 32 | Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : i) Water thinnable cement primer | sqm | 500 | | |
| 33 | Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : i) Two or more coats on new work | sqm | 500 | | |
| 34 | Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : i) Two or more coats on new work | sqm | 200 | | |
| 35 | 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 | 500 | | |
| 36 | Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete | sqm | 500 | | |



| Sr.No | Item Description | Unit | Quantity | Rate (Rs.) | Amount (Rs.) |
|-------|---|------|----------|------------|--------------|
| 37 | Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : i) One or more coats on old work | sqm | 200 | | |
| 38 | French spirit polishing : i) One or more coats on old work | sqm | 100 | | |
| 39 | Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. 1)With cement mortar 1:4 (1 cement : 4 coarse sand) | sq m | 50 | | |
| 40 | Providing and fixing 16 mm M.S. Fan clamps of standard shape and size in existing R.C.C. slab, including cutting chase, anchoring clamp to reinforcement bar, including cleaning, refilling, making good the chase with matching concrete, plastering and painting the exposed portion of the clamps complete. | each | 5 | | |
| 41 | Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-in-charge. | nos | 10 | | |
| 42 | Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. 1)cement mortar | cum | 10 | | |
| 43 | Taking out doors, windows and clerestory window shutters (steel or wood)including stacking within 50 metres lead : | | | | |
| | 1) Of area 3 sq. metres and below | nos | 2 | | |
| | 2) Of area beyond 3 sq. metres | nos | 2 | | |



| Sr.No | Item Description | Unit | Quantity | Rate (Rs.) | Amount (Rs.) |
|-------|---|------|----------|------------|--------------|
| 44 | Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. | | | | |
| | 1) For thickness of tiles 10 mm to 25 mm | sq m | 20 | | |
| | 2)For thickness of tiles above 25 mm and up to 40 mm | sq m | 20 | | |
| 45 | Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead. | sq.m | 50 | | |
| 46 | Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge. | sq.m | 50 | | |
| 47 | Providing and laying 60mm thick facioy made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mmthick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge. | sqm | 50 | | |
| 48 | Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge. | sq.m | 50 | | |
| 49 | Laying old cement concrete interlocking paver blocks of any design/ shape laid in required line, level, curvature, colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineerin-charge. (Old CC paver blocks shall be supplied by the department free of cost). | sq.m | 100 | | |



| Sr.No | Item Description | Unit | Quantity | Rate (Rs.) | Amount (Rs.) |
|-------|---|------|----------|------------|--------------|
| 50 | 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 : | | | | |
| | 1) W.C. pan with ISI marked white solid plastic seat and lid | nos | 5 | | |
| 51 | 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 required: 1)White Vitreous China Wash basin size 630x450 mm with a single of 15 mm C.P. brass pillar tap. | nos | 5 | | |
| 52 | Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. | | | | |
| | 1) 10 litre capacity - White | nos | 10 | | |
| 53 | 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. | nos | 5 | | |
| 54 | Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete. | nos | 5 | | |
| 55 | Providing and fixing toilet paper holder :1) C.P. brass | nos | 10 | | |



| Sr.No | Item Description | Unit | Quantity | Rate (Rs.) | Amount (Rs.) |
|-------|--|------|----------|------------|--------------|
| 56 | 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. | nos | 10 | | |
| 57 | 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) | kg | 50 | | |
| 58 | 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) | kg | 50 | | |



| Sr.No | Item Description | Unit | Quantity | Rate (Rs.) | Amount (Rs.) |
|-------|---|-------|----------|------------|--------------|
| 59 | Cleaning of reinforcement from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge. | | | | |
| | i) Bars upto 12 mm diameter | metre | 50 | | |
| | ii) Bars above 12 mm diameter | metre | 50 | | |
| 60 | Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect. i) SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer | sqm | 20 | | |
| 61 | Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm ²). i) 25 mm average thickness in 2 layers. | sqm | 20 | | |



| Sr.No | Item Description | Unit | Quantity | Rate (Rs.) | Amount (Rs.) |
|-------|---|------|----------|------------|--------------|
| 62 | Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/ masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in- Charge. (The payment shall be made on the basis of actual weight of approved grout injected.) i) Stirrer mixed SBR Polymer (of approved make) modified Cement slurry made with Shrinkage Compensating Cement in concrete/RCC work. | kg | 50 | | |
| 63 | Providing following skilled labour for 8hours/day | | | | |
| | 1)1st Class Carpenter | days | 100 | | |
| | 2)1st Class Mason | days | 15 | | |
| 64 | Providing and fixing false ceiling at all heights using WPC boards of 8mm thickness,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 24x38 mm of length 3000 mm,cross - T of size 24x32 mm of length 1200 mm and secondary intermediate cross-T of size 24x32 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 85x25x25x2 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 S.S screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge. i) With 8mm thick WPC boards | sqm | 50 | | |



| Sr.No | Item Description | Unit | Quantity | Rate (Rs.) | Amount (Rs.) |
|-------|---|------|----------|------------|--------------|
| 65 | Laterite Masonry in neatly dressed stones of as specified in cement mortar 1:5 (1 cement : coarse sand) in foundation and plinth. | cum | 5 | | |
| 66 | 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. | cum | 5 | | |
| 67 | Brick work with flyash F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth. i) Cement mortar 1:4 (1 cement : 4 coarse sand) | cum | 5 | | |
| 68 | Providing and fixing 100mm concealed locks (best make of approved quality) for aluminium windows including necessary cutting and making good etc. complete. | nos | 25 | | |
| | Total Amount | | | | |
| | Adding 18% GST | | | | |
| | Total Amount (Including 18% GST) | | | | |
| | Amount in Words: | | | | |



ANNEXURES

1. ANNEXURE A (UNDERTAKING BY THE BIDDER)

(To be printed on letterhead)

UNDERTAKING

I / We have read and examined the Tender document including terms & conditions, specifications, bill of quantities, drawings and designs, general rules & directions and all relevant other documents.

I / We, hereby tender for execution of the work specified for the Indian Institute of Technology Goa within the time specified and in accordance in all respects with the specifications, designs, drawings and instructions in writing. We agree to keep the tender open for 120 days from the last date of its submission and not to make any modifications in its terms and conditions.

If I / we fail to commence the work, I / we agree that the Director, Indian Institute of Technology Goa shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the earnest money deposit/ performance bank guarantee absolutely. Further, I / We agree that in case of forfeiture of earnest money deposit/ performance bank guarantee as aforesaid, I / We agree to suspend of our company/firm for a period of two years from the date publication of this tender for future requirement of IIT Goa.

I / We hereby declare that I / We shall treat the tender documents and other records connected with the work as secret / confidential documents and shall not communicate information derived there-from to any person other than the officials of IIT Goa. I / We hereby declare that our firm (name & address of the firm) is neither blacklisted/debarred by any Central/State Government/Public Undertaking/Institute nor is any criminal case registered / pending against the firm or its owner / partners anywhere in India.

I also certify that the above information is true and correct in every respect and in case, at a later date, it is found that any details provided above are incorrect, the tender/ contract given to the firm may be summarily terminated and the firm may be blacklisted.

Seal & Signature of Firm:

Postal Address:

Dated:

Witness:

Address:



2. ANNEXURE B (BID SECURITY DECLARATION)

(To be printed on letter head)

BID SECURITY DECLARATION

IN LIEU OF SUBMISSION OF EARNEST MONEY DEPOSIT (EMD)

Ref: Enquiry No - dated

I/we do hereby certify that the bid submitted by me/us shall not be withdrawn or modified during its validity/extended period of validity.

I am/we are fully aware that, in the event of withdrawal of the bid/ any modifications in the bid/ failing to accept the work order within the period /extended period of bid validity/failing to submit the performance security before the deadline prescribed as per rules, our firm shall be suspended to being eligible to submit any bids/proposals for contract with IIT Goa for a period of **Two Years.**

Signature with date:

Name:

Designation:

Official Seal



3. ANNEXURE C (FORMAT – PERFORMANCE GUARANTEE)

In consideration of the Indian Institute of Technology Goa (IIT Goa) having offered to accept the terms and conditions of the proposed agreement between..... and.....(hereinafter called “the said Contractor(s)”) for the works.....(hereinafter called the said agreement”) having agreed for production of an irrevocable Bank Guarantee for Rs.....(Rupees.....only) as a security/ guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We,.....(hereinafter referred to as “the Bank”) hereby undertake to pay Indian Institute of Technology Goa an amount not exceeding Rs.....(Rupees.....Only) on demand by IIT Goa.
2. We,.....(indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demure merely on a demand from IIT Goa stating that the amount claimed as required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....(Rupees.....Only)
3. We, the said bank further undertake to pay IIT Goa any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment and the Contractor(s) shall have no claim against us for making such payment.
4. We,.....(indicate the name of bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all dues of IIT Goa under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-In-Charge on behalf of IIT Goa certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.
5. We,.....(indicate the name of the bank) further agree with IIT Goa that IIT Goa shall have the fullest liberty without any consent and without effecting any manner our obligation hereunder to vary any terms and conditions of the said agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone from any time or from time to time any of the powers exercisable by IIT Goa against the said contractor(s) and to forbear or enforce any of the terms & conditions relating to the said agreement and shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act of omission on part of IIT Goa or any indulgence by IIT Goa to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for provision, have effect of so relieving us.
6. This guarantee will not be discharged due to change in the constitution of the Bank or the Contractor(s).
7. We,.....(indicate the name of Bank) lastly undertake not to revoke the guarantee except with the previous consent of IIT Goa in writing.
8. This guarantee shall be valid up to.....unless extended on demand by IIT Goa. Notwithstanding anything mentioned above, our liability against the guarantee is restricted to Rs.....(Rupees.....) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged. Dated theday of for..... (indicate the name of the Bank)