



INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR
KHARAGPUR, WEST BENGAL 721302

TENDER DOCUMENT

for

**Tender for Temporary Single Storey Kitchen and
Laundry building at DR. SPMSH campus at IIT
Kharagpur**

NIT NO. IITKGP/CCM-EW/SP/KIT_LAU_SPMSH/2026-
27/44

Registrar

Indian Institute of Technology Kharagpur



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Note:-

1. If the day falls on any Holiday, the date of any of the events mentioned above shall be on the next working day. In case the due date for opening tender happens to be a holiday, the same will be opened on the next working day. The timing however remains unchanged. Please note that the Institute remains closed on Saturday, Sunday and Institute holiday.
2. It is the responsibility of the Bidder to ensure that their bids whether sent by post or by courier or dropped by person should reach within the stipulated date & time.
3. The Tender/ Bid received after the last date and prescribed time would summarily be rejected. Tenders/ Bids having incomplete information are also liable to be rejected.
4. The addendum/ corrigendum if any shall only be published on Institute's website and CPP Portal.

1. NOTICE INVITING TENDER

1.1. INTRODUCTION

Indian Institute of Technology (IIT) Kharagpur, hereinafter called IITKGP, invites online tenders from the eligible contractors for **Tender for Temporary Single Storey Kitchen and Laundry building at DR. SPMSH campus at IIT Kharagpur**. Particulars of the project are as following.

1.2. PARTICULARS

1. NIT Number	IITKGP/CCM-EW/SP/KIT_LAU_SPMSH/2026-27/44
2. Type of Tender	Work
3. Name of Work	Tender for Temporary Single Storey Kitchen and Laundry building at DR. SPMSH campus at IIT Kharagpur
4. Location of Work	DR. SPMSH campus at IIT Kharagpur
5. Estimated Cost (including 18% GST)	₹ 96,56,065.00 (Rupees Ninety Six Lakhs Fifty Six Thousand and Sixty Five Only).
6. Earnest Money Deposit	₹ 1,94,000.00 (Rupees One lakh Ninety Four Thousand only) [Payment of EMD is mandatory for all bidders, including the bidders registered under MSE category except Startup, who are recognized as Startup by DPIIT.]
7. Time Limit for Execution	120 Calendar days from Date of Start.
8. Tender Basis / Mode	Technical Bid & Financial Bid
9. Mode of Payment to IITKGP (EMD)	i) Original Demand Draft/Pay Order must be submitted along with the Technical Bid physically in a separate envelope super scribed with the tender details at the "Stores & Purchase Section, 2nd Floor, Main Building, IIT Kharagpur, Kharagpur WB 721302 & Scanned copy of Demand Draft/Pay Order has to be uploaded on https://eprocure.gov.in/eprocure/app ii) Demand Draft/Pay order to be drawn in favour of IIT KHARAGPUR payable at Kharagpur. iii) EMD shall be valid for 60 Days from date of opening of technical bid.
10. Date, Time & Venue of Pre-bid Meeting	26 th May 2026 at 16:35 hrs, the Committee Room, 1 st Floor, Main Bldg., IIT Kharagpur, Kharagpur-721302
11. Closing Date & Time for Receipt of bids	05 th June 2026 up to 16:30 hrs
12. Date & Time for Opening of Technical Bid	16 th June 2026 at 16:30 hrs
13. Date & Time for Opening of Price Bid	Shall be intimated to the eligible bidders subsequently through CPP portal.
14. Engineer-in-charge and contact details.	For Civil works: Mr. A. Mukherjee, Senior Executive Engineer (Civil), Tel: 03222-282582 : Email: arindam@adm.iitkgp.ac.in For Electrical Work: Mr. S. Ghosh, Senior Executive Engineer(E&M), Email: sghosh@hijli.iitkgp.ac.in
15. Address for tender issue, submission and opening	"Store & Purchase Section, 2nd Floor, Main Building, IIT Kharagpur, Kharagpur WB 721302"
16. Website for full and updated information	https://www.iitkgp.ac.in/tenders https://eprocure.gov.in/eprocure/app
17. Website for tender submission & processing	https://eprocure.gov.in/eprocure/app
18. Hard copy submission of Technical Bid documents	Hard copy of the Technical Bid documents to be submitted at "Store & Purchase Section, 2nd Floor, Main Bldg., IIT Kharagpur, Kharagpur-721302" within 07 days from the closing date and time for receipt of bids. (EMD will be submitted along with the Technical Bids)



19. Defect Liability Period	01(One) Year from the Actual Date of Completion
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1.3. ELIGIBILITY CRITERIA

- 1.3.1. The bidder must be registered in appropriate class of works with Government organization like CPWD/ PWD/ MES/ PSUs or those having experience in similar nature of works awarded by Government / Semi Government Organizations/ Government Funded Autonomous Organization/any other Reputed Organizations. Joint Venture is not allowed.
- 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 50% 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/ any other Reputed Organizations during last **7 (seven) years** preceding last date of the month of tender submission.

Note:

- (i) The estimated cost is ₹ 96,56,065.00 /- (**Rupees Ninety Six Lakhs Fifty Six Thousand and Sixty Five Only**).
 - (ii) 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 the last date of receipt of applications for tender.
 - (iii) Similar works shall mean: **Repair & Renovation / Construction of Civil structure related jobs.**
 - (iv) **Bidder must have Electrical work experience.**
 - (v) **Bidder must have Sanitary and Plumbing Work experience.**
- 1.3.3. The bidder must be registered with appropriate government authority as a bonafide business entity and 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. The Average annual turnover of the bidder as per ITCC or profit & loss statement shall not be less than 30% of the estimated cost of project, not having incurred loss in more than two years, during last 5 years ending 31 Mar 2025. The documents submitted should be duly certified and audited by Chartered Accountant with UDIN No. Summary statement in support of the above shall be submitted as per (ANNEXURE-III).
- 1.3.6. Net worth Certificate of minimum 15% of the estimated cost issued by certified chartered accountant with UDIN is to be submitted (Format enclosed as ANNEXURE-IV).



2. INFORMATION TO BIDDERS

2.1 SCOPE OF WORK

- 2.1.1** The IITKGP intends for Proposed temporary single storey Kitchen and Laundry building at DR. SPMSH campus at IIT Kharagpur The work consists of Construction and renovation work including Electrical Work.
- 2.1.2** **Constraint:** The job needs to be executed in DR. SPMSH campus at IIT Kharagpur area without causing any disturbances to the normal functioning of routine activities/ road networks. There may be time restriction for the activities causing noise as the work will be executed within the Academic Area.
- 2.1.3** The vendor shall work out execution sequence and methodology with the approval of Engineer-in-Charge so as to complete the project within the envisaged time and the estimated cost, duly handling the constraint mentioned above.

2.1.4 ELECTRICAL WORK

- I. All the Electrical work will be executed by the Agency having valid Electrical Contractor license and by deputing qualified Electrician at site.
- II. Valid challans and test/guarantee certificates of all materials supplied by the contractor are to be submitted before execution of work.
- III. Suitable connectors are to be used for making connections of the neutral and earth wire in the switch-boards.
- IV. No electrical wiring are to be allowed to lay on the false ceiling.
- V. No joints are to be allowed in the wiring.
- VI. Suitable Al. or Cu. Lugs are to be used for all connections.
- VII. Suitable brass glanding of the cables is to be done for any cable connection.
- VIII. GI anti-rust screws are to be used during the fixing of pipes, cables, conduits, light fittings, etc. on the wall.
- IX. Labelling of each fitting with paint/permanent markers mentioning the Name of the Qtr., Date of installation & date of expiry of guarantee is mandatory.
- X. No twist joint is allowed in the electrical wiring.
- XI. Marking of the MCBs in the MCB DB.
- XII. Marking of the switch-boards and Power boards.
- XIII. Lugs to be used for DB incoming and outgoing terminations.
- XIV. Earth pit resistance to be checked and labelled with enamel paint.
- XV. All materials to be used need prior approval of the Engineer-in-Charge. Any equivalent make-up needs approval by the Engineer-in-charge.
- XVI. All old materials (switches, regulators, ball bearings, etc.) to be deposited at the IEW(Campus) office with proper documentation.

2.2 GENERAL INSTRUCTIONS TO THE BIDDER:

- 2.2.1** Bidding documents are to be obtained electronically through websites: i) <https://www.iitkgp.ac.in/tenders>; ii) <https://eprocure.gov.in/eprocure/app> .
- 2.2.2** This bid document shall be read in conjunction with GCC (General Conditions of Contract) available on https://www.iitkgp.ac.in/assets/pdf/tenders/GCC_CWWSSHR.pdf . An undertaking is enclosed as **Annexure II** regarding this must be signed and accepted by the bidder, while submitting the tender/bid.
- 2.2.3** The bidder shall visit and inspect the site and obtain all information on his 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 site conditions and local information shall be accepted after awarding of the contract. Access to the site will be granted by the Engineer-in-charge on all working days within working hours.

2.2.4 Provision of land / space: -





- 2.2.4.1 An area shall be made available by IITKgp to the contractor for storing tools, plants, machinery, equipment and materials required for the work free of charge during concurrency of the contract. Location and size of the area so to be made available during work progression and shall be decided by Engr.-in-charge, whose direction shall be final & binding.
- 2.2.4.2 An interest-free refundable deposit @ ₹1000/- (One thousand only) per sq. mtr. shall be deposited in suitable form by the successful bidder in addition to PG before occupation of the area so provisioned /provided.
- 2.2.4.3 No labourer or worker shall be allowed to stay within the campus, except watchmen of the contractor for the watch and ward of his/her stores within the area provided for the purpose.
- 2.2.4.4 Area retained by the contractor after completion of work and before end of DLP shall be 25% of the area during work progression or 150 sq. ft. whichever is more.
- 2.2.4.5 In case of contractor executing multiple works, the area providable shall be 50% of the sum total of area provisioned in each contract or the largest area provisioned in any of his / her contract, whichever is more.
- 2.2.4.6 Conditions of the area provisions shall remain concurrent with the contract. Contractor shall be liable to release the non-entitled area immediately after completion of work and end of DLP to avoid penal rents.
- 2.2.4.7 Penal rent @ ₹500/- (Only Five Hundred only) per sqm per month shall be applicable in case of contractor fails to vacate the space after end of the contract or end of DLP whichever is earlier.
- 2.2.4.8 IITKgp shall be at liberty to take over the non-vacated area and their belongings after giving 15 days' notice to the contractor if he/ she fails to vacate the area along with recovery of penal rent till the date of area being taken over by IITKgp. The contractor shall also have no claim to any payment of compensation or otherwise whatsoever, on account of non-availability/allocation of space/land by IIT Kgp.
- 2.2.4.9 Belongings in the taken over land shall be disposed by IITKgp at the contractor's risk and cost.
- 2.2.5 All clarifications about the tender and the applicable terms and conditions of the contract and/or General Conditions of contract and/or applicable laws shall be sought by bidder on or before pre-bid meeting. The bidders may make suggestions which shall be considered during the Pre Bid Meeting. Intending bidder(s) may also send their queries or suggestion, if any, through e-mail to the Engineer-in-charge on arindam@adm.iitkgp.ac.in (for civil works) and sgghosh@hijli.iitkgp.ac.in (for electrical works) on or before **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 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 individuals / organizations for whom such works have been executed shall not be accepted. The value of completed/executed work, net of any penalties shall be deemed satisfactory completion value for evaluation.
- 2.2.7 The value of completed/executed work, net of any penalties shall be deemed satisfactory completion value for evaluation.
- 2.2.8 The bidding document (consisting of specifications, 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), Addendum/Corrigenda, Clarifications to Pre-bid queries can be downloaded from the websites: i) <https://www.iitkgp.ac.in/tenders>; ii) <https://eprocure.gov.in/eprocure/app>. Corrigenda, if any shall be published only on these websites *sat any time before the closing time of tender*. The institute shall not be responsible for any delay / difficulties / inaccessibility of downloading facility for any reason whatsoever. *The tenderers who have downloaded the tender documents from website must visit the website and ensure that such addendum(s)/corrigendum(s) (if any) is also downloaded by them. This shall be the responsibility of the prospective registered bidders to check the web site for any such corrigendum/addendum before closing time of tender and ensure that bid submitted by them are in accordance with all the corrigenda/addenda.*
- 2.2.9 All costs, charges & expenses that may be incurred in connection with the preparation of his tender shall be borne by him and the Institute accepts no liability whatsoever therefore.
- 2.2.10 Exemption to IITKGP against any tax/ duty/ fee/ surcharge/ charge/ cost, if any, found applicable or sought later from IITKGP after award shall be passed on to IITKGP by the contractor without dispute.
- 2.2.11 IITKGP reserves the right to reject any or all of the bids without assigning any reason.
- 2.2.12 **Bid Validity:** Bid shall remain valid for 120 days from the actual date of opening of the technical bid.



- 2.2.13 Firm Price: Bidder's quoted Rates/Prices for executing the activities under the Contract shall remain firm till completion of the entire work in the original period (and extended period, if any) & shall not attract any escalation under any circumstances whatsoever.**
- 2.2.14 Rates quoted by the bidders (in the uploaded Excel Template having form of contract as "Percentage") shall be inclusive of GST (Goods and Services Tax - Central, State and Interstate) and all applicable taxes. Income Tax and all other statutory deductions like labour cess etc. will be deducted from the bill as per prevailing rules.**
- 2.2.15 Earnest Money Deposit (EMD):** The bidder shall mandatorily furnish the Earnest Money Deposit (EMD) of the requisite amount, in the prescribed mode, or documentary proof evidencing such payment, along with the Technical Bid, failing which the bid shall be liable to be rejected. However, bidders seeking exemption under the Startup category must submit a valid Certificate of Recognition issued by DPIIT, Government of India, to avail such benefits, subject to compliance with the applicable rules and provisions.
- 2.2.16 Refund / Conversion of Earnest Money Deposit:** The Earnest Money received shall be refunded to the unsuccessful bidders without any interest upon executing the Contract Agreement by successful bidder. The Earnest Money Deposit of successful bidder shall be retained and converted into part of Security Deposit.
- 2.2.17 Forfeiture of Earnest Money Deposit:** Earnest Money Deposit will be forfeited in any of the following cases:
- 2.2.17.1 The bidder withdraws / modifies his tender during the period of Bid Validity.
- 2.2.17.2 The bidder, in case of tie between lowest bids, refuse to submit revised offer.
- 2.2.17.3 The bidder does not accept the correction of arithmetical errors of his tender.
- 2.2.17.4 The bidder fails to deposit Performance Guarantee and information as per format given in GCC within the stipulated time period before award of the work.
- 2.2.18** The provisions of Public Procurement (Preference to Make in India), Order 2017 and subsequent amendments issued from time to time by Department for Promotion of Industry & Internal Trade (DPIIT), Ministry of Commerce and Industry, Government of India shall be applicable. Undertaking/ Declaration of Local Contents as per **Annexure-A** and also undertaking regarding restrictions on procurement from a bidder of a country which shares a land border with India as per **Annexure-B** shall be submitted along with the Tender.
- 2.2.19** A bid submitted with false information will not only be rejected but also the OEM/ vendor will be debarred from participation in future tendering process.
- 2.2.20** In case of any dispute, the reasoned and justified decision of the Competent Authority of this Institute shall be final and binding on the bidders.
- 2.2.21** In the event of any dispute between the management and the Contractor relating to those Contracts where Integrity Pact is applicable, in case both the parties are agreeable, they may try to settle dispute through mediation before the panel of IEMs in a time bound manners (para 5.6 of circular no. 04/06/23 of CVC)
- 2.2.22** If any information furnished by the bidder is found as false / fabricated, then his bid will be rejected and treated as cancelled. Even if such manipulation is detected at any stage after signing of the contract, it would lead to termination of the contract besides forfeiture of Earnest Money Deposit and liabilities towards prosecution. In such cases the bidder will be debarred from participation in future tendering process in IITKGP as per prevailing Government norms. And the Bidder must be submitting the undertaking regarding Blacklisting / Non-Debarment on company / Firm's letterhead (ANNEXURE-C).
- 2.3 SUBMISSION OF TENDER**
- 2.3.1** Help for Contractors, FAQ, Information about DSC and Bidders Manual Kit containing the detailed guidelines for e-Procurement system are also available on Central Public Procurement Portal. [<https://eprocure.gov.in/eprocure/app>]
- 2.3.2** It is mandatory for all the bidders to have a valid Class-II/Class-III Digital Signature Certificate (in the name of person having power of attorney to sign the Bid) from any of the licensed Certifying Agency (Bidders can see the list of licensed CA's from the link www.cca.gov.in) to participate in e-Procurement of IIT KHARAGPUR.
- 2.3.3** It is mandatory for the bidders to get their firm /company registered with IIT Kharagpur as well as with e-procurement portal to have Vendor Code, User ID & Password. You may follow the below mentioned links-

For IIT Kharagpur: <https://erp.iitkgp.ac.in/SupplierFacilities/login.htm>

For e-procurement portal: <https://eprocure.gov.in/eprocure/app>.

IIT KGP shall not be liable for delay in processing or non-processing of the payment or refund in the absence of Vendor Code registration.

- 2.3.4 Tender documents will be available online on website <https://eprocure.gov.in/eprocure/app> which can be downloaded free of cost.
- 2.3.5 Bidders may download and refer the “Instructions for Online Bid Submission” from (<https://eprocure.gov.in/eprocure/app;jsessionid=2A56E178EED5C7D8536175EFBB573C9F.eprocgep2?page=HelpForContractors&service=page>).
- 2.3.6 The tender documents shall be submitted online in the prescribed format given on the websites and technical bids received online shall be opened as per NIT or Corrigendum thereof. No other mode of submission is acceptable. Detailed credentials as per the requirement of eligibility criteria and all tender papers except Bill of Quantities are to be submitted in “Technical Bid”.

Rate Quoted to be submitted in the format provided online in the name of “Financial Bid”.

Representative of the bidder, who chooses to attend, may attend the online opening of the technical bids on the scheduled date and time of Bid opening. However, such representatives shall be allowed to attend the opening of the Technical Bids, only, if such person presents the letter of authority issued in his name by the bidder on his letter head.

- 2.3.7 Bidders cannot submit the tender after the due date and time of e-bid submission. Time being displayed on Central Public Procurement Portal <https://eprocure.gov.in/eprocure/app> (“Server System Clock Time”) shall be final and binding on the bidder. e-Bids are required to be submitted by bidders, only as per the Indian Standard Time (IST) and not the time as per their location/country.
- 2.3.8 The bidders are advised to submit their e-bids well before the e-bid submission due date. IIT KHARAGPUR shall not be responsible for any delay in submission of e-bids for any reason including server and technical problems.
- 2.3.9 The Technical and Financial Bid shall be digitally signed by the Authorized Signatory of the bidder & submitted “on-line”. However, hard copies of the complete “Technical Bid documents” shall be submitted in a sealed envelope super scribed with “**Hard Copy of Technical Bid/Tender Documents for NIT No: IITKGP/CCM-EW/SP/KIT_LAU_SPMSH/2026-27/44 for the work: Tender for Temporary Single Storey Kitchen and Laundry building at DR. SPMSH campus at IIT Kharagpur**”.

No price bid to be submitted offline.

The authorized signatory of the bidder must be in possession of Power of Attorney before submitting the digitally signed bid online. Scanned copies of various documents can be prepared in .pdf file format.

- 2.3.10 Any tender received without original Earnest Money in the form as specified in tender documents shall not be considered and shall be summarily rejected.
- 2.3.11 IIT KHARAGPUR reserves the right to cancel the tenders before submission/opening of tenders, postpone the tender submission/opening date and to accept/reject any or all tenders without assigning any reasons thereof. IIT KHARAGPUR’s assessment of suitability as per eligibility criteria shall be final and binding.
- 2.3.12 Tenderers may note that they are liable to be disqualified at any time during tendering process in case any of the information furnished by them is not found to be true. The decision of IIT KHARAGPUR in this regard shall be final and binding.
- 2.3.13 The EMDs shall be received at the Store & Purchase Section, 2nd Floor, Main Bldg., IIT Kharagpur, Kharagpur-721302 **within due date** or Corrigenda otherwise
- 2.3.14 **EMDs shall be submitted in an envelope superscribed “Tender for Temporary Single Storey Kitchen and Laundry building at DR. SPMSH campus at IIT Kharagpur with the NIT No. IITKGP/CCM-EW/SP/KIT_LAU_SPMSH/2026-27/44.**





2.4 EVALUATION OF BIDS AND AWARD OF WORK

- 2.4.1 The Bid of bidder will be opened electronically on the specified date and time of opening at the Office of the Store & Purchase Section, 2nd Floor, Main Bldg., IIT Kharagpur, Kharagpur-721302 in the presence of willing bidders or their authorized representatives.
- 2.4.2 Bids shall, first, be checked for payment of Earnest Money Deposit (if applicable). Only those bids found to have duly paid/ submitted Earnest Money Deposit shall be considered for evaluation. EMD not submitted within due date as per NIT Clause shall be summarily rejected.
- 2.4.3 **Acceptance of Tender:** The Authority of IIT Kharagpur does not bind itself to accept the lowest priced bid and reserves the right to reject any or entire tender bids received without assigning any reason thereof. The Institute does not bind itself to offer any explanation to those bidders whose technical bids have not been found acceptable by the Technical Evaluation Committee of the Institute.
- 2.4.4 Past performance of the Vendors will be judged at the time of Technical evaluation.
- 2.4.5 **Evaluation of Technical Bids:** The bids received will then be assessed on the eligibility criteria mentioned at Para 1.3 of Notice Inviting Tender.
- 2.4.6 IITKGP retains the right to revert back to individual bidders with further clarifications / queries on the Technical Bid. The bidder has to respond to the queries within the specified time. Bids found not meeting the eligibility criteria shall be considered non-responsive and shall be rejected summarily.
- 2.4.7 **Date & time for opening of Financial Bid:** The Financial Bid or the Revised Financial Bids as the case may be will be opened on specified date and time, which will be intimated to qualified bidder through CPP Portal.
- 2.4.8 **Evaluation of Financial Bids:** Unless otherwise stipulated, evaluation of the financial bids shall be on the price criteria only. Financial Bids of all Technically Qualified bids are evaluated and ranked to determine the lowest priced bidder.
- 2.4.9 The successful bidder shall be issued Letter of Acceptance (LOA) of the bid, and be required to furnish a Performance Guarantee as per General Conditions of Contract, Program Schedule with specific Milestones to be achieved as to complete the work within the stipulated time limit and details of his Technical Staff to be deployed as per **Annexure-I**.
- 2.4.10 **Letter of Award** shall be issued to the successful bidder. The Work Order will be issued only after receipt of the Performance Guarantee, along with Program Schedule and the details of Technical Staff to be deployed for the work. Delay in actual commencement of the works due to delay in completion of the procedural formalities shall fully rest upon the contractor and no claim of the contractor shall be entertained on this account. The actual handing over of site to the contractor shall be endorsed by the Engineer-in-charge in the Site Order book and the same shall be duly acknowledged and accepted by the contractor.
- 2.4.11 **Agreement (Contract)** consisting of complete tender document including 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.
- 2.4.12 **Date of start** of work shall be reckoned from 07 (seven) days after the date of issue of Work Order or date of handover of site whichever is earlier.
- 2.4.13 The Institute may accept or reject any or all bids, either fully or partially in line with GFR 2017, the Manual for Procurement of Goods, the Manual for Procurement of Consultancy & Other Services, the Institute Procurement Guidelines and applicable Government Orders and their amendments from time to time, and with the due approval of the Competent Authority. Also, the Institute is not bound to accept the lowest bid and may also change the quantity, upgrade the criteria, or drop any item or part thereof at any stage, if the situation so demands, before issuing the Work Order.

2.5 TECHNICAL STAFF OF CONTRACTOR:-

The contractor shall deploy well-trained, qualified and skilled professionals at site of work to execute only quality work, and responsible for the consequences that would arise on his/her failure to do so. In order to effectively operate, certain instructions on this clause are given below:

The contractor shall provide the details i.e. name(s), qualifications, and address(es) of the qualified Engineer(s) required to be employed by him/her as per terms of the contract.



- 2.5.1 **The following shall be strictly advised to by the contractor: -**
- a. Engineer(s) deployed as per stipulation in the contract looks after only the work under contract and no other work and is available fully during execution of work.
 - b. Even if contractor (or partner in case of firm/company) is himself/herself an Engineer, it is necessary on part of contractor to employ Engineer(s) and/or/Overseer for the supervision of the work(s) as per stipulation.
 - c. The Retired Executive Engineer/Assistant Engineer who is holding Diploma is treated at par with Graduate Engineers for the operation of the Clause. Diploma holder with minimum 10-year relevant experience with a reputed construction company can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.
- 2.5.2 The contractor shall provide all necessary superintendence during execution of the work and all along thereafter as may be necessary for proper fulfilling of the obligations under the contract. The contractor shall immediately after receiving letter of acceptance of the tender and before commencement of the work, intimate in writing to the Engineer-in-Charge, the name(s), qualifications, experience, age, address(s) and other particulars along with certificates, of the principal technical representative to be in charge of the work and other technical representative(s) who will be supervising the work as already mentioned above. The Engineer-in-Charge shall within 3 days of receipt of such communication intimate in writing his approval or otherwise of such a representative(s) to the contractor. Any such approval may at any time be withdrawn and in case of such withdrawal, the contractor shall appoint another such representative(s) according to the provisions of this clause. Decision of the tender accepting authority shall be final and binding on the contractor in this respect. Such a principal technical representative and other technical representative(s) shall be appointed by the contractor soon after receipt of the approval from Engineer-in-charge and shall be available at site before start of work.
- 2.5.3 All the provisions applicable to the principal technical representative under the Clause will also be applicable to other technical representative(s) The principal technical representative and other technical representative(s) shall be present at the site of work for supervision at all times when any construction activity is in progress and also present himself/themselves, as required, to the Engineer-in-Charge and/or his designated representative to take instructions. Instructions given to the principal technical representative or other technical representative(s) shall be deemed to have the same force as if these have been given to the contractor. The principal technical representative and other technical representative(s) shall be actually available at site fully during all stages of execution of work, during recording/checking/test checking of measurements of works and whenever so required by the Engineer-in-Charge and shall also note down instructions conveyed by the Engineer-in-Charge or his designated representative(s) in the site order book and shall affix his/their signature in token of noting down the instructions and in token of acceptance of measurements/checked measurements/test checked measurements. The representative(s) shall not look after any other work. Substitutes, duly approved by Engineer-in-Charge of the work in similar manner as aforesaid shall be provided in event of absence of any of the representative(s) by more than two days.
- 2.5.4 If the Engineer-in-Charge, whose decision in this respect is final and binding on the contractor, is convinced that no such technical representative(s) is/are effectively appointed or is/are effectively attending or fulfilling the provision of this clause, a recovery (non-refundable) shall be effected from the contractor as specified in **Annexure-I** and the decision of the Engineer-In-Charge as recorded in the site order book and measurement recorded checked/test checked in Measurement Books shall be final and binding on the contractor. Further if the contractor fails to appoint suitable technical Principal technical representative and/or other technical representative(s) and if such appointed persons are not effectively present or are absent by more than two days without duly approved substitute or do not discharge their responsibilities satisfactorily, the Engineer-in-Charge shall have full powers to suspend the execution of the work until such date as suitable other technical representative(s) is/are appointed and the contractor shall be held responsible for the delay so caused to the work. The contractor shall submit a certificate of employment of the technical representative(s) (in the desired format along with every on account bill/ final bill or as directed and shall produce evidence if at any time so required by the Engineer-in-Charge.
- 2.5.5 Requirement of technical staff for a work is decided and stipulated in NIT and LOA. Decision of the tender accepting authority or the Engineer-in-Charge shall be final and binding on the contractor in this respect. Recovery shall be made from the contractor in the event of not fulfilling this based on the guidelines given at **Annexure-I**.



- 2.5.6 The contractor shall provide and employ on the site only such technical assistants as are skilled and experienced in their respective fields and such foremen and supervisory staff as are competent to give proper supervision to the work. The contractor shall provide and employ skilled, semiskilled and unskilled labour as is necessary for proper and timely execution of the work. The Engineer-in-Charge shall be at liberty to object to and require the contractor to remove from the works any person who in his opinion misconducts himself, or is incompetent or negligent in the performance of his duties or whose employment is otherwise considered by the Engineer-in-Charge to be undesirable. Such person shall not be employed again at works site without the written permission of the Engineer-in-Charge and the persons so removed shall be replaced as soon as possible by competent substitutes.
- 2.5.7 The contractor shall provide following documents in support of the deployment of their technical staff for the specific work:
- Appointment letter by the contractor to the technical staff.
 - Letter as above, or a supplementary one to above confirming deployment of the technical staff on the specific work.
 - Copy of PAN card or Voter ID card of the technical staff in support of his/ her identity.
 - Copy of Aadhar card of the technical staff in support of his/ her address.
 - Contact details (phone number and email address) of the technical staff.

2.6 SPECIAL CONDITIONS OF CONTRACT:

- The rate quoted by the contractor is inclusive of EPF/ESI and all other statutory/non-statutory provisions and no additional payment shall be made to the contractor over and above the quoted rates.
- Contractor shall submit monthly attendance sheet/Form-B/Form-VII for all workers. Contractor shall also submit details of EPF/ESI contributions made to these workers. (if applicable).
- Payment of monthly bills shall be made only after verification of EPF/ESI contributions by IIT KGP.
- As the work is to be executed within the premises of a running hospital, SPMSH; the Contractor would be responsible for maintaining a clean, safe, and quiet work environment to ensure zero disruption to hospital operations. This includes installing dust-proof barriers, and strictly managing noise and waste to protect the health of patients and staff. All activities must comply with the hospital's safety and environmental protocols, and any failure to meet these standards will lead to an immediate work stoppage at the Contractor's expense.



3. UNDERTAKING BY THE BIDDER

UNDERTAKING

I / We have read and examined the Tender document including terms & conditions, specifications, bill of quantities, drawings and designs, general rules & directions, General Conditions of Contract, Special Conditions of Contract and all relevant other documents, publications and rules referred to in the Conditions of Contract and all other contents in the tender documents for the work.

I / We, hereby tender for execution of the work specified for the Indian Institute of Technology Kharagpur 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 actual date of opening of technical bid and not to make any modifications in its terms and conditions. A sum of **Rs. _____** has been deposited in cash/ demand draft of a scheduled bank as earnest money. If I / we, fail to furnish the prescribed performance guarantee within prescribed period, I / we agree that the said Director, Indian Institute of Technology Kharagpur or his authorized officer shall 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 the Director, Indian Institute of Technology Kharagpur 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.

Further, I / We agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I / We shall be debarred for participation in the re-tendering process of the work.

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 & Signature of Contractor

Postal Address

Dated

Witness

Address

Occupation

ANNEXURE-I**TECHNICAL STAFF OF CONTRACTOR***

DISCIPLINE	NAME	QUALIFICATION	EXPERIENCE	CONTACT NUMBER
Site Engineer/Quality Engineer				

Seal & Signature of Contractor



***GENERAL GUIDELINES FOR FIXING REQUIREMENT OF TECHNICAL STAFF ***

Cost of Work	Requirement of Technical Staff		Minimum Experience	Designation of Technical Staff	Rate at which recovery shall be made in the event of non-fulfilling
	Qualification	Minimum Number of staff			
20 to 50 Cr	Graduate Engineer	1	20 years and having experience of similar nature of work	Project Manager	Rs. 60,000/- per month per person
	Graduate Engineer	1	12 years and having experience of similar nature of work	Deputy Project Manager	Rs. 40,000/- per month per person
	Graduate Engineer or Diploma Engineer	2	5 or 10 years	Project/Site Engineer	Rs. 25,000/- per month per person
	Graduate Engineer or Diploma Engineer	2	2 or 5 years	Project/Planning/Quality /Billing Engineer	Rs. 15,000/- per month per person
10 to 20 Cr	Graduate Engineer	1	10 years and having experience of similar nature of work	Project Manager	Rs. 30,000/- per month per person
	Graduate Engineer	1	5 years	Project/Site Engineer	Rs. 25,000/- per month per person
	Graduate Engineer or Diploma Engineer	2	2 or 5 years	Project/Planning/Quality /Billing Engineer	Rs. 15,000/- per month per person
5 to 10 Cr	Graduate Engineer	1	5 years and having experience of similar nature of work	Project Manager	Rs. 25,000/- per month per person
	Graduate Engineer or Diploma Engineer	2	2 or 5 years	Project/Planning/Quality /Billing Engineer	Rs. 15,000/- per month per person
1.5 to 5 Cr	Graduate Engineer or Diploma Engineer	2	2 or 5 years	Project manager cum Project/Planning/Quality /Billing/ Site Engineer	Rs. 15,000/- per month per person
15 lakhs to 1.5 Cr	Graduate Engineer or Diploma Engineer	1	2 or 5 years	Project manager cum Project/Planning/Quality /Billing/ Site Engineer	Rs. 15,000/- per month per person

- 'Cost of work,' in table above, means the estimated cost of the work put to tender.
- Requirement of technical staff and their experience can be varied depending upon nature of work by NIT approving authority with recorded reasons.
- The contractor shall submit the details of Technical Staff based on the NIT Clause 2.5 and Annexure-I above.
- In case of contractor executing multiple works, the technical staff required shall be 50% of the sum total of staff in each category required in each contract or the greatest staff strength required in any of his/ her contract whichever is more.

Seal & Signature of Contractor



ANNEXURE - II**UNDERTAKING FOR GCC COMPLIANCE****UNDERTAKING**

We hereby undertake that we shall fulfill all the terms & conditions of GCC-IIT Kharagpur within the specified time frame, after the acceptance of our offer in case our offer is accepted; failing which IIT KHARAGPUR may go ahead to take necessary action such as reporting the non-compliance to appropriate Government authorities and barring us from future participation in IIT KHARAGPUR works.

Seal & Signature of Contractor**DATED:**

ANNEXURE - III

Profit and Loss Summary statement of Last 5 Financial years
Approved through Chartered Accountants

TO WHOM IT MAY CONCERN

This is to certify that the total turnover and Profit/Loss summary of M/s
..... having its
registered office at
.....
.....
.....for last five Financial years are as given below: -

Description	Financial years				
	2020-21	2021-22	2022-23	2023-24	2024-25
Annual Turnover from Operations					
Profit (+)/Loss (-) After Tax					

The above mentioned complete data is true to the best of our knowledge and belief and can be verified using the provided UDIN.

(TO BE VERIFIED BY Chartered Accountants)

Date & Seal

UDIN NO.



ANNEXURE-IV**Format for Net Worth Certificate**

It is to certify that as per the audited balance sheet and profit & loss account during the financial year, the net worth of ... (individual/farm/company) having registered address at as on 31.03.2025 is Rs. after considering all liabilities. It is further certified that the net worth of the company has not eroded by more than 30% in the last three years ending on 31.03.2025.

Signature of Chartered Accountant

Name of Chartered Accountant

Membership No. of ICAI

Date & Seal

UDIN NO. : _____



ANNEXURE – A**DECLARATION OF LOCAL CONTENT**

(To be given on Company Letter Head)

Tender No: Dated:

To,**The Registrar,**Indian Institute of Technology (IIT), Kharagpur
Kharagpur, West Bengal-721302**Subject: Declaration of Local Content-reg.**

1. Country of origin of Goods being offered :

2. We hereby declare that items offered has % local content.

(Clarification for Local content calculation as per OM No: P-45021/102/2019-BE-II-Part (1)(E-50310), dated 4th March 2021 of Department of Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Govt. of India.)

3. The details of the location(s) at which local value addition is made are given in the below table;

Sl. No.	Name of the Item	Location(s) of Local Value addition with Pin Code

" Local Content" means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

Important:

"False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules 2017 for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules 2017 along with such other actions as may be permissible under law."

Date:

Yours faithfully,

(Signature of the bidder, with Official Seal)



ANNEXURE – B**FOR WORKS CONTRACTS, INCLUDING TURNKEY CONTRACTS**

(On Company / firm's Letterhead)

Tender No: Dated :.....

CERTIFICATE

I/we have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries and hereby certify that this bidder is not from such a country and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority.

OR (whichever is applicable)

I/we have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I/we hereby certify that this bidder is from _____ (Name of Country) and has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I/we also certify that this bidder fulfils all the requirements in this regard and is eligible to be considered.

(Copy/ evidence of valid registration by the Competent Authority is to be attached with the bid document)

Signature of the Authorized Person

Date: -----

Full Name: -----

Place: -----

Company Seal: -----



ANNEXURE – C**UNDERTAKING REGARDING BLACKLISTING / NON – DEBARMENT
(On Company / firm's Letterhead)**

I/We hereby confirm and declare that we, M/s _____, is not blacklisted/ Deregistered/ debarred by any Government department/ Public Sector Undertaking/ Private Sector/ or any other agency for which we have Executed/ Undertaken the works/ Services as on date.

“Submission of Forged document or False declaration in any stage of contract will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules 2017 for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules 2017 along with such other actions as may be permissible under law.”

Signature of the Authorized Person

Date: -----

Full Name: -----

Place: -----

Company Seal: -----



ANNEXURE-D

DETAILS OF THE BIDDER

1	Name of the Firm	
2	Address for Communication	
3	Email id (shall be working up to end of contract period/DLP)	
4	Particulars of Registration with Government / Semi Government Organizations/ Government Funded Autonomous Organization etc. like CPWD/ PWD/ MES/IIT or PSUs (if available)	
5	Legal Status of the Bidder:- a) A Proprietary Firm b) A Partnership Firm c) A Limited Company d) A Consortium	
6	Name of the Authorized Personnel/Signatory/ Person having Power of Attorney	
7	Mobile No.	
8	Telephone No.	
9	Permanent Account Number (PAN) No.	
10	GST Registration No.	
11	IIT Kgp Vendor Code (if available)	

Signature with seal



Declaration

1. I, Son/ Daughter of Shri
Proprietor/ Partner/ CEO/ MD/ Director/ Authorized Signatory of M/s.
am competent to sign this declaration and execute this tender document.
2. Tender ref. no.: dt. I have carefully
read and understood all the terms and conditions of the tender and hereby convey my acceptance of
the same.
3. The information/ documents furnished along with the above application are true and authentic to the
best of my knowledge and belief.
4. I/ we am/are well aware of the fact that furnishing of any false information/ fabricated document
would lead to rejection of my tender at any stage besides liabilities towards prosecution under
appropriate law.
5. Each page of the tender documents and papers submitted by my Company is authenticated, sealed
and signed, and I take full responsibility for the entire documents submitted.



Signature of the Authorized Person

Date:

Full Name:

Place:

Company Seal:



4. Checklist for Documents to be uploaded on <https://eprocure.gov.in/eprocure/app> (To be filled by bidders)

Sl. No.	Documents (Sealed and Signed)	Page Number
1.	Tender Documents	
2.	EMD / Exception Certificate	
3.	Document support of Bonafide Business Entity	
4.	GST Registration Certificate	
5.	Permanent Account Number	
6.	Average annual turnover of the bidder as per ITCC or profit and loss statement for last 5 year	
7.	Experience Certificate	
8.	ANNEXURES-I_II_III_IV_A_B_C_D	
9.	SOQ	

Schedule of Quantities (SOQ)

Name of Work: Temporary Single Storey Kitchen and Laundry building at DR. SPMSH campus at IIT Kharagpur

SI No.	Description of Items	Unit	Qty	Rate	Amount
Part - A (Civil Work)					
1	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of nserviceable 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.				
		Sqm.	330.000	131.75	43,477.50
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 for all lift, as directed by Engineer-in- Charge. All kinds of soil.				
		Cum	165.000	177.50	29,287.50
3	Filling available excavated earth excluding rock) in trenches, plinth, sides of foundations etc. in layers not xceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.				
		Cum	135.000	196.00	26,460.00
4	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.				
		Cum	115.000	2,123.75	2,44,231.25
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources).				
		Cum	43.000	7,294.70	3,13,672.10
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).				
		Cum	48.000	8,340.85	4,00,360.80
7	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.				
		Kg	6000	107.85	6,47,100.00





8	Centering and shuttering including strutting, propping etc. and removal of form work for Foundations, footings, bases for columns.				
		Sqm	350.000	392.15	1,37,252.50
9	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.				
		Kg	8500.000	133.70	11,36,450.00
10	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick.				
		Sqm	370.000	1,948.25	7,20,852.50
11	Providing and fixing Ist 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	260.000	1,267.95	3,29,667.00
12	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 / panelling, 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) : Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)				
		Kg	375.000	495.05	1,85,643.75
13	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). Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)				
		Kg			



			440.000	598.60	2,63,384.00
14	Providing and fixing 12 mm thick pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Pre-laminated particle board with decorative lamination on both sides.				
		Sqm	16.000	1,115.40	17,846.40
15	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): With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm).				
		Sqm	55.000	1,505.25	82,788.75
16	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): With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)				
		Sqm	50.000	1,176.80	58,840.00
17	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.				
		Kg	1050.000	117.35	1,23,217.50
18	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work.				
		Sqm	315.000	155.90	49,108.50
19	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm).				
		Sqm	430.000	160.60	69,058.00
20	Distemping with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour. New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre:				
		Sqm	780.000	185.65	1,44,807.00



21	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels. Granite stone slab of colour black, Cherry/Ruby red,				
		Sqm.	25.000	5,413.50	1,35,337.50
22	Providing and fixing mineral fibre false ceiling tiles at all heights of size 595X595 mm of approved texture, design and pattern. The tiles should have Humidity Resistance (RH) of 99%, Light Reflectance $\geq 85\%$, Thermal Conductivity $k = 0.052 - 0.057$ w/m K, Fire Performance as per (BS 476 pt - 6 &7) in true horizontal level suspended on interlocking T-Grid of hot dipped all round galvanized iron section of 0.33 mm thick (galvanized @120 gsm) comprising of main T runners of 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 600 mm to form grid module of size 600x600 mm suspended from ceiling using galvanized mild steel item (galvanised@80gsm) 50 mm long 8 mm outer diameter M-6 dash fasteners, 6 mm diameter fully threaded hanger rod up to 1000 mm length and L-shape level adjuster of size 85x25x2 mm, spaced at 1200 mm centre to centre along main 'T'. The system should rest on periphery walls /partitions with the help of GI perimeter wall angle of size 24x24X3000 mm made of 0.40 mm thick sheet, to be fixed to the wall with help of plastic rawl plug at 450 mm centre to centre & 40 mm long dry wall S.S. screws.				
	The exposed bottom portion of all T-sections used in false ceiling support system shall be pre-painted with polyester baked paint, for all heights. The work shall be carried out as per specifications, drawings and as per directions of the engineer-in-charge. With 16 mm thick beveled tegular mineral fibre false ceiling tile (NRC 0.55 to 0.60)				
		Sqm	185.000	2,333.60	4,31,716.00
23	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. Upto 5 mm depth and 5 mm width.				
		Mtr.	200.000	96.75	19,350.00



24	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required an making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of engineer-in-charge. With stainless steel cover plate minimum 1.25 mm thickness.				
		Each	15.000	2,823.85	42,357.75
25	Providing and fixing Brass 100 mm mortice latch and lock with 6 levers without pair of handles (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete				
		Each	10.000	528.85	5,288.50
26	Providing and fixing aluminium round shape handle of outer dia 100 mm with SS screws etc. complete as per direction of Engineer-in-charge. Anodized (AC 15) aluminium				
		Each	32.000	107.90	3,452.80
27	Providing and fixing chromium plated brass butt hinges with necessary chromium plated brass screws etc. complete. 75x65x4 mm (heavy type).				
		Each	28.000	181.00	5,068.00
28	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50 mm (base metal of minimum 0.45 mm thickness with total coating thickness of 0.05mm) with 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. 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.				
		Sqm	460.000	738.65	3,39,779.00
29	Providing and fixing precoated galvanised steel sheet roofing accessories of total coated thickness 0.50 mm (base metal of minimum 0.45 mm thickness with total coating thickness of 0.05 mm) with Zinc coating 120 gram 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 : Ridges plain (500 - 600mm)	Mtr.			



			38.000	532.35	20,229.30
30	Providing and fixing precoated galvanised steel sheet roofing accessories of total coated thickness 0.50 mm (base metal of minimum 0.45 mm thickness with total coating thickness of 0.05 mm) with Zinc coating 120 gram 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 : Gutter (600 mm over all girth)				
		Mtr.	38.000	1,313.70	49,920.60
31	Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in foundation and plinth in Cement mortar 1:6 (1 cement : 6 coarse sand).				
		Cum	23.500	6,974.80	1,63,907.80
32	Brick work with clay flyash F.P.S. (non modular) brick of class designation 7.5 in superstructure above plinth level up to floor five level in: : Cement mortar 1:6 (1 cement : 6 coarse sand). Above plinth level.				
		Cum	80.000	9,095.05	7,27,604.00
33	Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS :12894, in super structure above plinth upto floor V level. Cement mortar 1 : 4 (1 cement : 4 coarse sand)				
		Sqm			
			325.000	1,105.80	3,59,385.00
34	CEMENT PLASTER (IN COARSE SAND) 20 mm cement plaster of mix : 1:6 (1 cement: 6 coarse sand)				
		Sqm	1500.000	466.05	6,99,075.00
35	Neat cement punning.				
		Sqm.	250.000	79.95	19,987.50
36	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. 110 mm diameter				
		Mtr.	50.000	377.40	18,870.00
37	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for 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. Bend 87.5° - 110 mm bend				
		Each	13.000	150.35	1,954.55
38	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for 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. Shoe (Plain) - 110 mm bend				
		Each	13.000	131.85	1,714.05
Total part - A (Civil works) =					80,68,502.40

Part - B (Sanitary and Plumbing Work)					
1	Providing and fixing vitreous china dual purpose closet suitable for use as squatting pan or European type water closet (Anglo Indian W.C pan) with seat & lid fixed with C.P. brass hinges and rubber buffers, 10 litre low level flushing cistern with fitting and brackets, 40 mm flush bend, 20 mm over flow pipe, with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: White vitreous china dual purpose WC pan with white solid plastic seat and lid with white vitreous china flushing cistern and C.P. flush bend.	Each	1.000	11,847.65	11,847.65
2	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 pair of 15 mm C.P. brass pillar taps	Each	6.000	2,648.85	15,893.10
3	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC 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.				
	a) 15 mm nominal dia Pipes	Mtr.	35.000	497.80	17,423.00
	b) 20 mm nominal dia Pipes	Mtr.	30.000	537.60	16,128.00
	c) 25 mm nominal dia Pipes	Mtr.	40.000	627.25	25,090.00
4	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply 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				
	a) 32 mm nominal dia Pipes	Mtr.	50.000	438.60	21,930.00
	b) 40 mm nominal dia Pipes	Mtr.	100.000	563.05	56,305.00





5	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	5.000	1,607.95	8,039.75
6	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 250 mm diameter				
		Mtr.	80.000	1,505.60	1,20,448.00
7	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design : 250 mm diameter S.W. pipe				
		Mtr.	70.000	1,590.55	1,11,338.50
8	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete : For pipes 250 to 300 mm diameter				
		Each	4.000	922.40	3,689.60
9	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931. 15 mm nominal bore				
		Each	15.000	574.30	8,614.50
10	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.				
		Each	8.000	798.95	6,391.60
11	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 40 mm nominal bore				
		Each	4.000	826.10	3,304.40
Total part - B (Sanitary and Plumbing Work) =					4,26,443.10
Total Part - A + B =					84,94,945.50
Part - C (Electrical Work)					
1	Supply & Fixing louver "A1" shutter on wall with necy. bolts & nuts (6 mm dia x 62 mm long)				
a)	23 cm Exhaust fan (9")				
		Each	2	152.00	304.00

b)	30 cm Exhaust fan (12")	Each	2	193.00	386.00
c)	38 cm Exhaust fan (15")	Each	2	318.00	636.00
d)	45 cm Exhaust fan (18")	Each	2	468.00	936.00
2	Supply and fixing of 40mm dia. 1mr. Long GI (Medium, ISI) fabricated wall bracket with suitable size GI saddle, fastner etc.	Each	5	367.00	1,835.00
3	b) Low noise Metallic body Exhaust fan 225 mm sweep,1350 rpm with double ball bearing with Guard. Warranty: 2 year,	Each	2	1,606.50	3,213.00
4	c) Low noise Metallic body Exhaust fan 300 mm sweep,1350 rpm with double ball bearing with Guard. Warranty: 2 year,	Each	1	1,705.50	1,705.50
5	d) Low noise Metallic body Exhaust fan 450 mm sweep,960 rpm with double ball bearing with Guard. Warranty: 2 year,	Each	1	4,738.50	4,738.50
6	e) Low noise 200mm,1250 rpm Plastic body Exhaust fan with 2 year warranty	Each	1	1,467.00	1,467.00
7	f) Low noise 250mm,1250 rpm Plastic body Exhaust fan with 2 year warranty	Each	1	1,498.50	1,498.50





8	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing , colour milki white including Suitable length of extra ceiling fan down rod heavy guage etc. complete as required with 3years years on site replacement warranty the ceiling fan.Preferred Make-SHA/Havells/Khaitan/CG/Bajaj/Approved by EIC	Each	10	1,665.00	16,650.00
9	Supplying & fixing of LED fittings 2 ft X 2 ft, 240 Volt, Lumen \geq 3600, Efficacy \geq 120 Lm/Watt, Power Factor \geq 0.9, CCT \geq 6500 K, CRI \geq 80, THD max. 15%, IP 20, 120 degree beam angle, Metallic housing equivalent to Philips Model RC380B LED365-6500 G6 L60W60 PSU OD S1 with necessary connection from the existing Light point. All the luminaires should be warranted for 3 years at the site free of cost. Permanent numbering of LED luminaires is mandatory during installation at the site. Preferred Make:-avells/Philips/Jaquar/Wipro/Lighting Technologies/Equivalent approved by Engineer-in Charge	Each	5	1,421.60	7,108.00
10	a) Supply and fixing of 4ft, 24 Watt, 6500K, lumen output>100Lumen/Watt, P.F>0.9, high power retrofit LED tube with 2 years warrenty	Each	30	271.80	8,154.00
11	d) Supply and fixing of 25 Watt down Round LED Light, 6500K, lumen output-100Lumen/Watt, p.f.>0.9, with 2 years warrenty	Each	10	959.98	9,599.80
12	Supply and fixing of 25-36 W LED street light, pressure die-cast aluminium IP66, 5700k, 240V, Efficacy \geq 105 lm/watt, in-built electronic driver with APFC & THD \leq 10%. Output Short-Circuit, Over Voltage, Surge Protection. \geq 5 KV CRI \geq 70, appoved by EIC. Note : Contractor should given 2 years guarantee of total LED set like driver, lamp etc. after commissioning at site Fixing only outdoor / street light type fluorescent light fitting complete with all accessories to be fixed/projected from the wall of the building incl. making holes to building, S&F 40 mm dia. GI pipe(ISI-Medium) 1.50 mts. average length, with GI socket at one end and thread at the other end & suitable bend to house the fitting & making necy. connections with S&F necy. length of 3 X1.5 sq mm FRLS PVC insulated single core copper wire and making connections as required and mending good damages to wall & painting as	Each	10	1,675.00	16,750.00



	required. Make LED Light Havells, CG, Philips, Jaguar, Eveready/Approved by EIC.				
13	Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts, complete as required.	Each	2	112.00	224.00
14	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required Preferred Make:- Crabtree/Hager Insysta/Legrand Myline range/MK/Equivalent approved by Engineer-in Charge.	Each	5	14.00	70.00
15	Supplying and fixing 3 pin, 5 amp ceiling rose including 3 inch x 3 inch PVC box/ wooden block with connection etc as required. Preferred Make:-Anchor/SSK/Equivalent approved by Engineer-in Charge.	Each	5	104.00	520.00
16	Supplying and fixing Two Module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required. Preferred Make:- Crabtree Athena range/Hager Insysta/Legrand Myline range/MK (Wraparound Plus)/ Equivalent approved by Engineer-in Charge	Each	10	402.00	4,020.00
17	Supplying and fixing of 20/25 Amps Plug Top on the existing modular Socket including connections as required Preferred Make:- rabtree/ Wipro/ Legrand/ MK/ Equivalent approved by Engineer-in Charge	Each	2	120.00	240.00



18	Wiring for light point / ceiling fan point / wall fan point including 6 amp 3 pin socket/call bell point / exhaust fan point with 1.5 sq mm FRLS /HFVR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit,with modular switch, modular plate, suitable size GI box and earthing the point with 1.5 sq mm,1.1 kV, FRLS/HFVR PVC insulated copper conductor single core cable etc as required. Preferred Make (Wire,1.1 kV):-Finolex/RR Kabel/Polycab/Havells/KEI/Equivalent approved by Engineer-in Charge Preferred Make (Switch,Socket,Blank plate etc):-Crabtree Athena range/Hager Insysta/Legrand Myline range/MK (Wraparound Plus)/Equivalent approved by Engineer-in Charge Preferred Make (MMS Pipe):-Prestoplast/Precision/ AKG/ Anchor/ Equivalent approved by Engineer-in Charge				0.00
a)	Upto 6 metres.(Group A)	Point	12	1,189.00	14,268.00
19	Wiring for circuit / submain wiring alongwith earth wire with the following sizes of FRLS/HFVR PVC insulated copper conductor , single core cable in surface / recessed medium class PVC conduit as required Preferred Make (Wire,1.1 kV):- Finolex/RR Kabel/Polycab/Havells/ KEI Preferred Make (MMS Pipe):- Presto plast/Precision/AKG/ Anchor/Equivalent approved by Engineer-in Charge				
a)	2 X 1.5 sq mm + 1 X 1.5 sq mm for earth wire	Meter	100	267.00	26,700.00
b)	2 X 2.5 sq mm + 1 X 2.5 sq mm for earth wire	Meter	400	311.00	1,24,400.00
c)	2 X 4 sq mm + 1 X 4 sq mm for earth wire	Meter	300	373.00	1,11,900.00
d)	2 X 6 sq mm + 1 X 6 sq mm for earth wire	Meter	200	482.00	96,400.00
e)	2 X 10 sq mm + 1 X 6 sq mm for earth wire	Meter	10	621.00	6,210.00
f)	2 X 16 sq mm + 1 X 6 sq mm for earth wire	Meter	10	832.00	8,320.00
g)	4 X 2.5 sq mm + 2 X 2.5 sq mm for earth wire	Meter	10	452.00	4,520.00
h)	4 X 4 sq mm + 2 X 4 sq mm for earth wire	Meter	10	587.00	5,870.00
i)	4 X 6 sq mm + 2 X 6 sq mm for earth wire	Meter	10	813.00	8,130.00
j)	4 X 10 sq mm + 2 X 6 sq mm for earth wire	Meter	10	1,078.00	10,780.00
k)	4 X 16 sq mm + 2 X 6 sq mm for earth wire	Meter	10	1,454.00	14,540.00



20	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required. Preferred Make (MMS Pipe):-Presto plast/ Precision/ AKG/Anchor/Equivalent approved by Engineer-in Charge				
a)	20 mm	Meter	10	151.00	1,510.00
b)	25 mm	Meter	10	168.00	1,680.00
c)	40 mm	Meter	5	257.00	1,285.00
21	Supplying and fixing following sizes / modules ,GI box along with modular base & cover plate for modular switches in recess etc as required. Preferred Make:- Crabtree Athena range/Hager Insysta/Legrand Myline range/MK (Wraparound Plus)/ Equivalent approved by Engineer-in Charge.				
a)	1 or 2 Module (75 mm X 75 mm)	Each	5	354.00	1,770.00
b)	3 Module (100 mm X 75 mm)	Each	5	384.00	1,920.00
c)	4 Module (125 mm X 75 mm)	Each	5	401.00	2,005.00
d)	6 Module (200 mm X 77 mm)	Each	10	462.00	4,620.00
e)	8 Module (125 mm X 125 mm)	Each	5	517.00	2,585.00
f)	12 Module (200 mm X 150 mm)	Each	5	614.00	3,070.00
22	Supplying and fixing following modular switch / socket on the existing modular plate & switch box including connections but excluding modular plate etc as required. Preferred Make:- Crabtree Athena range/Hager Insysta/Legrand Myline range/MK (Wraparound Plus)/ Equivalent approved by Engineer-in Charge.				
a)	5 /6 Amps Switch	Each	20	103.00	2,060.00
b)	15 /16 Amps Switch	Each	20	156.00	3,120.00
c)	3 pin 5 /6 Amps Socket Outlet	Each	20	122.00	2,440.00
d)	6 pin 15 / 16 Amps Socket Outlet	Each	20	197.00	3,940.00
23	Installation , testing and commissioning of wall fan/ ceiling fan including wiring the down rods of standard length (upto 30 cm) with 3 X1.5 sq mm FRLS/HFFR PVC insulated copper conductor single core cable etc as required.	Each	1	266.00	266.00
24	Supplying and fixing of extra conduit down rod of 20 cm Length (heavy gauge) GI pipe 15 mm dia wiring with 3 X 1.5 sq mm single core FRLS PVC cu cable including cutting, threading and painting etc as required.(Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored.)	Each	10	59.00	590.00

25	Supplying and fixing 5 Amps to 32 Amps rating, 240/415 V,10 kA,“C” curve,miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Preferred Make:- Legrand/Hager/L&T/Siemens/Schneider/ ABB/Equivalent approved by Engineer-in Charge				
a)	Single Pole	Each	20	256.00	5,120.00
b)	Double Pole	Each	10	656.00	6,560.00
c)	Triple Pole	Each	5	1,007.00	5,035.00
d)	Triple Pole and Neutral	Each	5	1,228.00	6,140.00
26	Supplying and fixing 40 Amps to 63Amps rating, 240/415 V,10 kA,“C”curve, Miniature Circuit breaker suitable for inductive load of following poles in the existing MCB DB or in enclosure complete with connections, testing and commissioning etc. as required. Preferred Make:-Legrand /Hager/L&T/Siemens/Schneider/ABB Equivalent approved by Engineer-in Charge				
a)	Single Pole	Each	10	422.00	4,220.00
b)	Double Pole	Each	5	938.00	4,690.00
c)	Triple Pole	Each	5	1,432.00	7,160.00
d)	Four Pole	Each	5	1,830.00	9,150.00
27	Supplying and fixing 100 Amps rating, 240/415 V, 10 kA, “C” curve, Miniature Circuit Breaker suitable for inductive load of following poles in the existing MCB DB or in enclosure complete with connections, testing and commissioning etc. as required. Preferred Make:-Legrand Hager/L&T/Siemens /Schneider/ ABB /Equivalent approved by Engineer-in Charge				
a)	TriplePole	Each	1	5,348.00	5,348.00
b)	Four Pole	Each	1	6,815.00	6,815.00
28	Supplying and fixing of Molded Case Circuit Breaker,415 Volt, of Breaking capacity 25 kA/35kAwith Icu = Ics (for 1 sec),adjustable overload setting (Thermal Magnetic) with two sets copper spreader terminals suitable for inductive load of following poles in the existing MCB/MCCB DB/SMDB or in enclosure complete with connections, testing and commissioning etc. as required.Preferred Make:- Legrand /Hager/L&T/Siemens/ Schneider/ABB Equivalent approved by Engineer-in Charge				
a)	125 Amps, Four Pole	Each	1	8,139.00	8,139.00
b)	160 Amps, Four Pole	Each	1	9,759.00	9,759.00
c)	200 Amps, Four Pole	Each	1	14,798.00	14,798.00
d)	250 Amps, Four Pole	Each	1	18,486.00	18,486.00





29	Supplying & Fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 25 Amps modular socket outlet and 25 Amps modular SP MCB, "C" curve including connections, painting etc. as required. Preferred Make:-Crabtree Athena range/Hager Insysta/Legrand Myline range/MK (Wraparound Plus)/ Equivalent approved by Engineer-in Charge	Each	2	807.00	1,614.00
30	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required. Preferred Make (MMS Pipe):-Presto plast/Precision/AKG/Anchor/Equivalent approved by Engineer-in Charge				
a)	20 mm	Mtr.	5	151.00	755.00
b)	25 mm	Mtr.	5	168.00	840.00
c)	40 mm	Mtr.	5	257.00	1,285.00
31	Supplying and fixing metal box of following sizes on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required. ISI Approved.				
a)	75 mm X 75 mm X 60 mm deep	Each	5	213.00	1,065.00
b)	100 mm X 100 mm X 60 mm deep	Each	5	245.00	1,225.00
c)	150 mm X 150 mm X 60 mm deep	Each	5	360.00	1,800.00
32	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size on Wall Surface as required incl. S+F of 1 X 10 SWG rust free GI wire for E.C.C making holes and mending good the damages to original finish incl painting. (Cable Dept supply)				
a)	Upto 35 sq mm (rust free clamped with 1 mm thick rust free saddle)	Mtr.	100	64.00	6,400.00
b)	Above 35 sq mm and upto 95 sq mm (rust free clamped with 25 X 3 mm rust free MS flat clamp)	Mtr.	100	151.00	15,100.00
33	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size on Cable Tray along with S+F of 10 SWG GI wire as earth wire as required.				
a)	Upto 35 sq. mm (clamped with 1mm thick saddle @ 3 sets per metre.)	Mtr.	10	53.00	530.00
b)	Above 35 sq. mm and upto 95 sq. mm (clamped with 25 X 3mm MS flat clamp @ 3 sets per metre.)	Mtr.	10	109.00	1,090.00
34	Laying of cable as below after Cutting Floor/Pavement/Wall and making holes incl embedding the cable at an average depth as below and mending good the damages to original finish incl S+F of 1 X 10 SWG wire for ECC (Cable Dept Supply)				
a)	From 2.5 sq mm to 35 sq mm at an average depth of 75 mm in floor/ pavement/wall etc.	Mtr.	10	127.00	1,270.00

b)	Above 35 sq mm to 95 sq mm at an average depth of 100 mm in floor/ pavement/wall etc.	Mtr.	10	159.00	1,590.00
35	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size Direct in Ground including excavation, sand cushioning, protective covering @ 8 bricks per metre on each cable and refilling the trench etc. as required.				
a)	Upto 35 sq. mm	Mtr.	10	453.00	4,530.00
b)	Above 35 sq. mm and upto 95 sq. mm	Mtr.	10	475.00	4,750.00
36	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size in the existing Masonry Open Duct incl mending good the damages to original finish. (Cable Dept Supply). This includes S+F 10 SWG GI earth wire for cables.				
a)	Upto 35 sq mm .	Mtr.	10	47.00	470.00
b)	Above 35 sq. mm and upto 95 sq. mm	Mtr.	10	72.00	720.00
37	Supplying and making End Termination with brass compression gland and lugs for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor cable of 1.1 kV grade as required. Preferred Make:-ARUN/Dowells/3M /Equivalent approved by Engineer-in Charge				
a)	2 X 6 sq mm (19 mm)	Each	4	294.00	1,176.00
b)	2 X 10 sq mm (19 mm)	Each	4	295.00	1,180.00
c)	2 X 16 sq mm (22 mm)	Each	4	311.00	1,244.00
d)	4 X 10 sq mm (25 mm)	Each	4	325.00	1,300.00
e)	4 X 16 sq mm (28 mm)	Each	2	366.00	732.00
f)	3.5 X 25 sq mm (28 mm)	Each	2	371.00	742.00
g)	3.5 X 35 sq mm (32 mm)	Each	4	437.00	1,748.00
h)	3.5 X 50 sq mm (35 mm)	Each	2	484.00	968.00
i)	3.5 X 70 sq mm (38 mm)	Each	2	542.00	1,084.00
j)	3.5 X 95 sq mm (45 mm)	Each	2	684.00	1,368.00
38	Earthing with G.I. Earth Plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc.for any type of soil (Morrumed/boldered soil) with charcoal/ coke and salt as required.	Set	2	8,351.00	16,702.00
39	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.All Joints should be done after 4"over lapping of the strips and by welding only.	Mtr.	50	287.00	14,350.00
40	Supplying and Fixing Earth Busbar of G.I.Flat 25 mm X 6 mm on wall having clearance of 6 mm from wall incl. providing drilled holes on busbar complete with G.I. bolts, nuts, washers, spacing heavy duty insulators etc as required.	No	2	156.00	312.00



41	Providing and fixing Hot dipped 6 SWG dia GI wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required for GI pipe earthing & others.	Mtr.	10	84.00	840.00
42	Supply and Fixing medium gauge Gi pipe (ISI-Medium) protection for cable entry including bending the pipe to the required shape complete as required with laying of wire/cable through pipe. Preferred Make:-Medium size TATA/Bansal/Jindal/Equivalent approved by Engineer-in Charge				
a)	25 mm	Mtr.	5	173.00	865.00
b)	40 mm	Mtr.	5	246.00	1,230.00
43	Supplying and Fixing DP/4P Sheet Steel Enclosure on surface/recess complete with connection, testing and commissioning etc.as required with out MCB/MCCB Preferred Make:- Legrand /Hager/L&T/Siemens/Schneider/ABB/Equivalent approved by Engineer-in Charge				
a)	Two Pole Enclosure for MCB	Each	1	270.00	270.00
b)	Four Pole Enclosure for MCB	Each	1	316.00	316.00
c)	Four Pole Enclosure for 160 A MCCB	Each	1	584.00	584.00
44	Supplying and fixing 20 Amps,240 Volt SPN Industrial type socket outlet,with 2 pole and earth,metal enclosed plug top alongwith 20 Amps,"C" curve,SP,MCB, in sheet steel enclosure on surface or in recess with chained metal cover for the socket out let and complete with connections,testing and commissioning etc,as required.Preferred Make:- Legrand/Hager/L&T/Siemens /Schneider /ABB /Equivalent approved by Engineer-in Charge	Each	2	1,621.00	3,242.00
45	Supplying and fixing 20 Amps,415 Volt TPN Industrial type socket outlet,with 4 pole and earth,metal enclosed plug top alongwith 20 Amps,"C"curve,TPN,MCB, in sheet steel enclosure,on surface or in recess with chained metal cover for the socket out let and complete with connections,testing and commissioning etc,as required. Preferred Make:-Legrand/Hager/L&T/Siemens /Schneider/ABB /Equivalent approved by Engineer-in Charge	Each	2	2,590.00	5,180.00





46	Supplying and fixing 32 Amps,415 Volt TPN Industrial type socket outlet,with 4 pole and earth,metal enclosed plug top alongwith 32 Amps,"C" curve, TPN,MCB, in sheet steel enclosure,on surface or in recess with chained metal cover for the socket out let and complete with connections,testing and commissioning etc,as required. Preferred Make:-Legrand/Hager/L&T/ Siemens /Schneider/ABB /Equivalent approved by Engineer-in Charge	Each	2	4,107.00	8,214.00
47	Supplying and fixing 63 Amps,415 Volt TPN Industrial type socket outlet,with 4 pole and earth (3P +N+E+FP),metal enclosed plug top alongwith 63 Amps,"C" curve, TPN,MCB, in sheet steel enclosure,on surface or in recess with chained metal cover for the socket out let and complete with connections,testing and commissioning etc,as required. Preferred Make:-Legrand /Hager/L&T/Siemens/ Schneider/ABB/Equivalent approved by Engineer-in Charge	Each	2	9,810.40	19,620.80
48	Fixing only 240V SPN/415V TPN Sheet Steel Main Switch or DP/TP/FP sheet steel enclosure or SP/TP Industrial Plug,Socket directly on surface / recessed /on flat iron legs on wall along with required DP/TP/FP MCB including necessary connection, testing as required. (Enclosure/Main switch / Industrial Socket : Department supply).	Each	2	130.00	260.00
49	Supplying and fixing following way, Single Pole and Neutral, IP- 43, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) Preferred Make:-Legrand/Hager/L&T/ABB /Equivalent approved by Engineer-in Charge				
a)	6 Way , Double door	Each	2	2,206.00	4,412.00
b)	8 Way , Double door	Each	2	2,573.00	5,146.00
c)	12 Way Double door	Each	1	2,315.00	2,315.00
50	Supplying and fixing of following ways surface/ recess mounting, Vertical Type,IP-43, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 Amps, tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required. (Note : Vertical type MCB TP DB is normally used where 3 phase outlets are required.) Preferred Make:- Legrand/L&T/Hager/Siemens/Equivalent approved by Engineer-in Charge				
a)	4 Way (4 + 12), Double door	Each	2	7,512.00	15,024.00
b)	8 Way (4 + 24), Double door	Each	2	10,165.00	20,330.00
c)	12 Way (4 + 36), Double door	Each	2	12,833.00	25,666.00



51	Supplying and fixing double door Vertical TPN MCB Distribution board for MCCB Incomer IP-42/43 protection, on angle iron frame on wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment Up to 160A Preferred Make:- Legr Legrand /Hager/L&T/Siemens/ABB/Equivalent approved by Engineer-in Charge				
a)	4 Way Double door	Each	2	8,627.00	17,254.00
b)	8 Way Double door	Each	1	10,683.00	10,683.00
c)	12 Way Double door	Each	1	14,020.00	14,020.00
52	Providing and fixing of lightning conductor finial,made of 25 mm dia 300 mm long, GI tube, having single prong at top, with 85 mm dia 6 mm thick GI base plate including holes etc, complete as required	Each	2	518.00	1,036.00
53	Providing and fixing GI tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	Mtr.	50	126.00	6,300.00
54	Providing and fixing GI tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For Vertical run)	Mtr.	10	197.00	1,970.00
55	Providing and fixing testing joint,made of 20 mm X 3 mm thick GI strip,125 mm long, with 4 nos rust free GI bolts, nuts,check nuts and spring washers etc,complete as required .	Each	2	121.00	242.00
56	Earth work (Soil) with carried Earth arranged by the contractor within a radius exceeding 3 km but not exceeding 5 km including the cost of carred earth	CuM	2	399.01	798.02
57	Supplying ,Installation,Testing & Commisioning of 3phase 415V, 50 HZ, 4 way indoor electrical power Sub Main Distrtution Board (SMDB) conforms to IEC 61439-1&2 with following MCCB as incommer and Outgoings, 250 Amp 36KA busbar, Left side, Right side and Bottom Cabling Box,Corner Box, Metering box including indicating LED lamps, and digital Ammeter.Preferred Make:- Legrand /Hager/L&T/Siemens/Schneider/ABB Equivalent approved by Engineer-in Charge	Each	2	79,739.12	1,59,478.24
58	Supplying and fixing of Molded Case Circuit Breaker,415 Volt, of Breaking capacity 25 kA/35kAwith Icu = Ics (for 1 sec),adjustable overload setting (Thermal Magnetic) with two sets copper spreader terminals suitable for inductive load of following poles in the existing MCCB SMDB or in enclosure complete with connections, testing and commissioning etc. as required. Preferred Make:- Legrand /Hager/L&T/Siemens/Schneider/ABB Equivalent approved by Engineer-in Charge				
a)	63 Amps To 100 Amp Triple Pole	Each	2	5,310.00	10,620.00
b)	160 Amps, Triple Pole	Each	2	9,971.00	19,942.00

c)	200 Amps, Triple Pole	Each	2	12,508.00	25,016.00
d)	250 Amps, Triple Pole	Each	1	14,278.00	14,278.00
e)	400 Amps, Triple Pole	Each	1	21,653.00	21,653.00
Total part - C (Electrical Work) =					11,61,119.36
Gross Total (Part - A+B+C) =					96,56,064.86
Say =					96,56,065.00

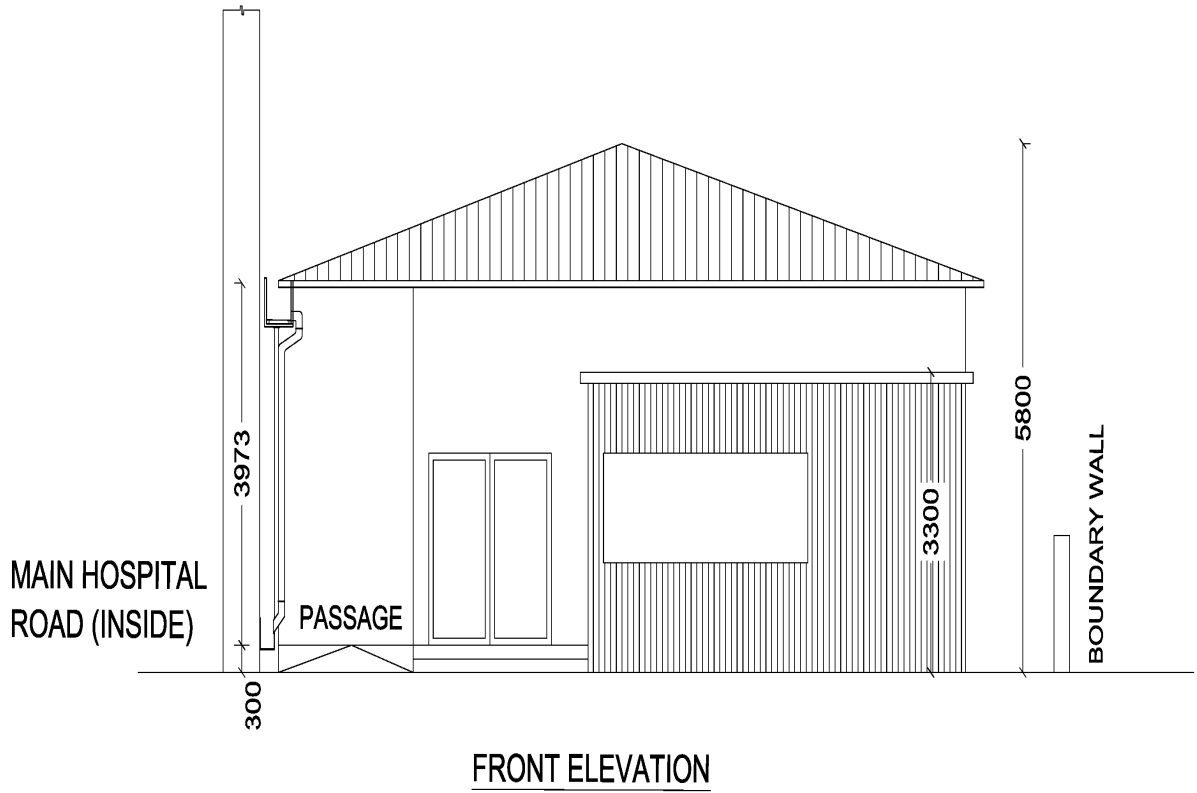


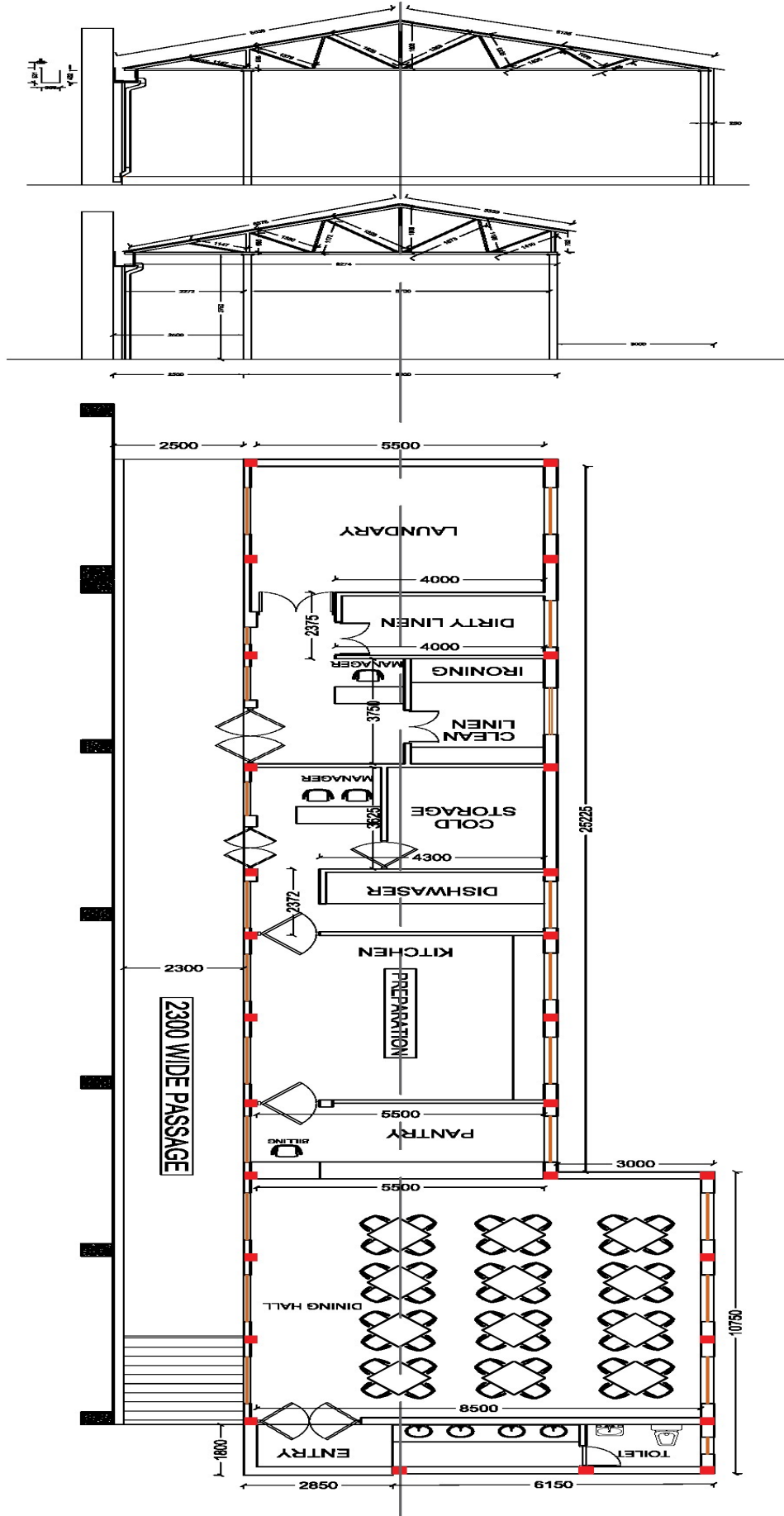
Temporary Kitchen SPMSH NIT Drawings

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR



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PART PLAN OF SPMESH CAMPUS

