

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR
KHARAGPUR, WEST BENGAL 721302

TENDER DOCUMENT

for

**Construction of temporary kitchen in BCRTH at IIT
Kharagpur**

NIT NO. IW/SP/CE/NIT/26-27/BCRTH/45

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.
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 **Construction of temporary kitchen in BCRTH at IIT Kharagpur**. Particulars of the project are as following.

1.2. PARTICULARS

1.NIT Number	IW/SP/CE/NIT/26-27/BCRTH/45
2.Name of Work	Construction of temporary kitchen in BCRTH at IIT Kharagpur .
3.Location of Work	BCRTH at IIT Kharagpur
4.Estimated Cost (including 18% GST)	₹ 44,22,277.00 (Rupees Forty four lakh twenty two thousand two hundred and seventy seven Only).
5.Earnest Money Deposit	₹ 89000.00 (Rupees Eighty nine 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.]
6.Time Limit for Execution	180 Calendar days from Date of Start.
7.Tender Basis / Mode	Technical Bid & Financial Bid
8. Mode of Payment to IITKGP (EMD)	<p>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 &</p> <p>Scanned copy of Demand Draft/Pay Order has to be uploaded on https://eprocure.gov.in/eprocure/app</p> <p>ii) Demand Draft/Pay order to be drawn in favour of IIT KHARAGPUR payable at Kharagpur.</p> <p>iii) EMD shall be valid for 60Days from date of opening.</p>
9.Date, Time & Venue of Pre-bid Meeting	26 th May, 2026 at 16:40 hrs, the Committee Room, 1st Floor, Main Bldg., IIT Kharagpur, Kharagpur-721302
10.Closing Date & Time for Receipt of bids	05 th June, 2026 upto 16:30hrs
11.Date& Time for Opening of Technical Bid	16 th June, 2026 at 16:30 hrs
12.Date& Time for Opening of Price Bid	Shall be intimated to the eligible bidders subsequently through CPP portal.
13. Engineer-in-charge and contact details.	<p>For Civil works Mr. A. Mukherjee, Sr. Executive Engineer (Civil), Tel: 03222-2-82582, Email: arindam@adm.iitkgp.ac.in</p> <p>For Electrical Work: Mr. S. Sarkar, Executive Engineer(E&M), Email: ssarkar@hijli.iitkgp.ac.in</p>
14. Address for tender issue, submission and opening	“Store & Purchase Section, 2nd Floor, Main Building, IIT Kharagpur, Kharagpur WB 721302”
15.Website for full and updated information	https://www.iitkgp.ac.in/tenders https://eprocure.gov.in/eprocure/app
16. Website for tender submission & processing	https://eprocure.gov.in/eprocure/app
17. 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)
18. Defect Liability	Period 01(One) Year from the Actual Date of Completion



1.3. ELIGIBILITY CRITERIA

1.3.1. The bidder must be registered in appropriate class of works with Government organization like CPWD/ PWD/ MES or 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 during last **7 (seven) years** preceding last date of the month of tender submission.

Note:

- (i) The estimated cost is **44,22,277.00/-** (Rupees Forty Four Lakhs twenty two thousand Two hundred and Seventy Seven 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: Civil & Electrical Maintenance / Repair & Renovation of Building / Construction of Civil structure**
- (iv) The bidder shall possess Valid Electrical Contractor and Electrical Supervisory License. In case of the Civil contractor, A Consent letter from Electrical License Contractor duly shows the name of the work, Tender number along with registration certificate/License may also be furnished.
- (v) **Bidder must have Electrical 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 (Format enclosed as **Annexure –III**).





2. INFORMATION TO BIDDERS

2.1 SCOPE OF WORK

2.1.1 The IITKGP intends for Construction of temporary kitchen in BCRTH 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 BCRTH at IIT Kharagpur area without causing any disturbances to the normal functioning of routine activities/ road networks.

2.1.3 The vendor shall work out execution sequence and methodology 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

1. The work shall be executed as per CPWD General Specifications for Electrical Works Part-I, II & IV, as amended up to date, relevant I.E. Rules, BIS/IEC and as per directions of Engineer-in-charge.
2. All the Electrical work will be executed by the agency having valid Electrical Contractor license and by deputing qualified electrical Supervisor and Electrician at site.
3. Labeling of each fittings with paint/permanent markers mentioning the Name of the Qtr., Date of installation & date of expiry of guarantee is mandatory.
4. No twist joint is allowed in the electrical wiring
5. Marking of the MCB's in the MCB DB
6. Marking of the Switch boards and Power boards.
7. Switches, Sockets, regulator etc. must be compatible with existing installation.
8. Lugs to be used for DB incoming and outgoing terminations.
9. Earth pit resistance to be checked and labelled with enamel paint.
10. All old materials (switches, regulators ball bearing etc.) to be deposited at IEW(Campus) office with proper document.

2.2 GENERAL INSTRUCTIONS

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_CWWWSSHR.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 sqm 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 labour 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 sqft 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 sghosh@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 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.*
- 2.2.8 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.
- 2.2.9 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.
- 2.2.10 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 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 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).**
- 2.2.15 **Earnest Money Deposit(EMD)** of requisite amount and that in prescribed mode or proof of payment thereof shall be submitted with the Technical Bid explained in following section.



- 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.

2.3 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 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: IW/SP/CE/NIT/26-27/BCRTH/45 for the work: Construction of temporary kitchen in BCRTH 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 super scribed "Construction of temporary kitchen in BCRTH at IIT Kharagpur ." with the NIT NO: IW/SP/CE/NIT/26-27/BCRTH/45.**

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 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 summarily.
- 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 mentioned in the covering letter.
- 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, BCRTH; 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

U N D E R T A K I N G

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 is true to the best of our knowledge and belief.

(TO BE VERIFIED BY Chartered Accountants)

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

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

Sl. No.	Documents (Sealed and Signed)	Page Number
1.	Tender Documents (Sealed and signed)	
2.	EMD	
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_A_B_C_D	
9.	SOQ	



SOQ (Schedule of Quantities)					
INSTITUTE WORKS					
CIVIL CONSTRUCTION AND MAINTENANCE SECTION					
IIT KHARAGPUR					
Name of work :- CONSTRUCTION OF TEMPORARY KITCHEN IN BCRTH , AT IIT KHARAGPUR.					
ABSTRACT					
PART A - CIVIL					
BOQ					
Sl. No.	Description	Unit.	Qty.	Rate (Rs.)	Amount (Rs.)
1	Surface dressing of the ground including removing vegetation and in equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.All kinds of soil	Sqm	150.00	34.15	5,122.50
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 lift upto 1.5 m, as directed by Engineer-in-charge.All kinds of soil	Cum	131.71	177.50	23,377.82
3	Supplying, stacking, spreading & consolidating rubbish to a requisite depth by compacting each 100mm layer at desired density as per instruction of Engg-in-Charge, complete as per specification. (The payment will be made after deduction 1/9th for the shrinkage).	Cum	29.48	216.91	6,394.72
4	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge: With material conforming to Grade-II (size range 53 mm to 0.075 mm) having CBR Value-25.	Cum	50.00	2924.85	1,46,242.50
5	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m.	Cum	39.51	196.00	7,744.35
6	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	26.84	2123.75	56,995.08



7	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50 mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge. 80 mm thick CC paver block of M-35 grade with approved colour, design & pattern.	Sqm	200.00	1091.50	2,18,300.00
8	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 40 mm nominal size derived from natural sources)	Cum	16.21	7178.75	1,16,396.25
9	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	2.36	7878.50	18,624.77
10	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.40 mm thick with 20 mm nominal size stone aggregate.	Sqm	32.78	614.20	20,130.41
11	Neat cement punning	Sqm	10.93	79.95	873.45
12	Extra for addition of synthetic Polyester triangular fiber of length 12mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40 in cement concrete/ RCC/ Flooring/ water retaining structures by using 125gms of synthetic Polyester triangular fiber for 50 Kg cement used as per directions of Engineer-in-Charge.	Per Bag of 50 Kg of cement	10.49	70.35	738.11
13	Providing and fixing glass strips in joints of terrazo/ cement concrete floors.40 mm wide and 4 mm thick	m	45.00	91.75	4,128.75
14	Supplying and laying Polythene Sheet (150gm / sq.m.) over damp proof course or below flooring or roof terracing or in foundation or in foundation trenches.	Sq. M	199.80	28.60	5,714.31
15	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. - In cement mortar .	Cum	5.00	2060.20	10,301.00



16	Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in super structure above plinth level up to floor V level in : Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	4.40	8962.35	39,425.38
17	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)	Cum	30.97	9095.05	2,81,710.08
18	Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS :12894, in super structure above plinth and upto floor V level.Cement mortar 1 : 4 (1 cement : 4 coarse sand)	Sq. M	58.14	1105.80	64,287.89
19	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III): 4 graded stone aggregate 12.5mm nominal size).	Sqm	10.40	410.85	4,273.25
20	Extra for providing and mixing water proofing material in cement concrete per 50kg work in doses by weight of cement as per manufacturer's specification.	per 50 kg cement	1.00	18.15	18.15
21	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	sqm	10.40	146.15	1,520.11
22	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 :1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size).	Cum	8.67	9045.75	78,453.79
23	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level , excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	4.03	10852.95	43,748.24
24	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level , excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	Cum	7.68	11505.50	88,362.24
25	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level . Thermo-Mechanically Treated bars of grade Fe-500 D or more.	Kg	1014.58	107.85	1,09,422.35



26	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level . Thermo-Mechanically Treated bars of grade Fe-500 D or more.	Kg	861.24	107.85	92,884.95
27	Centering and shuttering including strutting, propping etc. and removal of form for :Foundations, footings, bases of columns, etc. for mass concrete	Sqm	12.00	392.15	4,705.80
28	Centering and shuttering including strutting, propping etc. and removal of form for : Shelves (Cast in situ)	Sqm	39.93	927.25	37,020.46
29	Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	72.64	736.40	53,490.62
30	Centering and shuttering including strutting, propping etc. and removal of form for : Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	52.20	961.30	50,179.86
31	Applying 2 coats of bonding agent with synthetic multi functional rubber emulsion having adhesive and water proofing properties by mixing with water in proportion (1 bonding agent : 4 water : 6 cement) as per Manufacturer's specification.	Sqm	280.59	104.90	29,433.89
32	Supplying fitting and fixing of Hexagonal Chicken Mesh of approved quality with necessary nails etc. at all levels & in any floor complete in all respect as per instruction of Engineer in Charge.	Sqm	154.00	35.75	5,505.32
33	15 mm cement plaster on rough side of single or half brick wall of mix : 1:4 (1 cement: 4 coarse sand)	Sqm	124.20	411.75	51,139.35
34	20 mm cement plaster of mix :1:4 (1 cement: 4 coarse sand)	Sqm	156.39	487.40	76,224.49
35	6 mm cement plaster of mix :1:3 (1 cement : 3 sand)	Sqm	22.58	300.45	6,782.66
36	Providing and laying water proofing treatment in WCs, bathroom etc., by applying with water proofing compound consisting of applying : a) First layer of water proofing compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of water proofing compound @ 0.126 kg/ sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours.	Sqm	22.58	204.00	4,605.30
37	Extra for addition of synthetic Polyester triangular fibre of length 6 mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40 in cement plaster/mortar by using 125 gms. of synthetic Polyester triangular fibre for 50 Kgs. cement used in cement mortar of as per directions of Engineer-in-Charge.	per bag of 50 Kgs. cement	5.00	78.35	391.75



38	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	124.20	185.65	23,057.73
39	Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. New work (Two or more coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.	Sqm	156.39	181.25	28,345.69
40	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm.	Sq. M	7.25	1553.45	11,262.51
41	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	Sqm	3.48	1096.55	3,815.99
42	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	74.74	1948.25	1,45,614.15
43	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	Sqm	13.00	2354.70	30,611.10
44	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	446.34	1267.95	5,65,936.80

45	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 to edges to give high gloss finish etc. complete at all levels : Granite stone slab colour black, Cherry/Ruby red Area of slab upto 0.50 sqm	Sqm	10.00	5413.50	54,135.00
46	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 to edges to give high gloss finish etc. complete at all levels. Granite stone slab colour black, Cherry/Ruby red Area of slab over 0.50 sqm	Sqm	49.88	5136.30	2,56,172.96
47	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work	M	48.25	510.95	24,653.34
48	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 : Hot finished welded type tubes.	kg	1219.06	194.40	2,36,984.49
49	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	487.05	133.70	65,118.18
50	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	Sqm	120.30	155.90	18,754.15





51	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	141.84	738.65	1,04,770.12
52	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).	m	12.60	532.35	6,707.61
53	Providing & fixing false ceiling at all height including providing & fixing of framework made of special section, power pressed from M.S. sheets and galvanised with zinc coating of 120 gms/ sqm (both side inclusive) as per IS : 277 and consisting of angle cleat of size 25mm wide x 1.6mm thick with flanges of 27mm and 37mm, at 1200mm c/c, one flange fixed to the ceiling with dash fastener 12.5mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25 x10 x0.50mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I chanel 45 x15 x 0.90mm running at the spacing of 1200 mm c/c, to which the ceiling section 0.5mm thick Code Description Unit Rate No. 269 SUB HEAD : 12.0 ROOFING bottom wedge of 80mm with tapered flanges of 26 mm each having lips of 10.5mm, at 450mm c/c, shall be fixed in a direction perpendicular to G.I intermediate channel with connecting clip made out of 2.64mm dia x 230mm long G.I wire at every junction, including fixing perimeter channels 0.50mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/ partitions with the help of Rawl plugs at 450mm centre, with 25mm long dry wall screws @ 230mm interval, including fixing of Calcium Silicate Board to ceiling section and perimeter channels with the help of dry wall screws of size 3.5 x25mm at 230mm c/c, including jointing & finishing to a flush finish of tapered and square edges of the board with recommended jointing compounds, jointing tapes,finishing with jointing	Sqm	91.06	2068.75	1,88,386.58

	compounds in three layers covering up to 150mm on both sides of joints and two coats of primer suitable for boards, all as per manufacture's specification and also including the cost of making opening for light fittings, grills, diffusers, cut outs made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in charge but excluding the cost of painting with : 8 mm thick Calcium Silicate Board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process.				
54	Providing and fixing 50 mm thick extruded polystyrene rigid underdeck thermal insulation board tiles with joint grip, complying with ISO 4898:2008 & ASTM C 578-08b - type VI, having thermal conductivity of 0.0289 W/m K as per ASTM C 518 (measured as per IS 3346), compressive strength of > 350 kPa listed as per ASTM C 1621, flexural strength of > 414 kPa listed as per ASTM C 203, density of 34-36 kg/cum as per ASTM D 1622, water absorptions < 3% by volume as per ASTM C272, oxygen index of 24 listed as per ASTM D 2863, with Fire retardant property as per DIN 4102, Part 1 of class B2 and as per ASTM E84 class A, laid on steel framing over false ceiling complete in all respect as per the direction of Engineer-in-Charge. Size of tiles : 600mm x 1250 mm. Preferred Make : Supreme or equivalent.	Sqm	91.06	1187.00	1,08,091.78
55	Providing and Fixing factory made PVC door frame made of PVC extruded sections of size 75 mm x 53 mm, having wall thickness 2.0 mm (\pm 0.2 mm). Both verticals sides of the frame reinforced with PVC profile of cross section size 28 mm x 30 mm x 2 mm thickness (\pm 0.2 mm) and 75 mm x 200 mm long, including reinforcing both ends of the top frame with PVC profile. PVC Door Frame and PVC reinforcement profile to be mitred cut, jointed and fusion welded together, including providing and fixing 3 nos of 125 mm long stainless steel hinges to frame, fixing the frame with jamb with required nos & sizes of anchor dash fastener, all complete as per manufacturer's specification and direction of engineer in-charge.	m	5.15	763.85	3,933.83





56	Providing and fixing 37 mm thick factory made PVC Door shutter, styles and rails made of PVC hollow extruded printed and laminated section having overall dimension 115 mm x 37 mm with wall thickness 2 mm (\pm 0.2 mm) with inbuilt beading on one side, the styles and rails mitred cut and joint at corners by inserting 2 nos PVC profile reinforcement of size 75 mm x 200 mm long with cross section size of 28 mm x 30 mm having wall thickness 2 mm (\pm 0.2 mm). Styles, rails and reinforcements to be fusion welded together. Only hinge side vertical style to be reinforced with PVC profile reinforcement in full length. Printed and laminated PVC lock rail of size 110 mm x 37 mm having wall thickness 2 mm (\pm 0.2 mm) to be welded horizontally with the vertical styles after inserting PVC profile reinforcement as in styles and rails, providing with PVC snap fit beading, panels of 100 x 20 mm printed & laminated and inserting 2 nos 6 mm dia bright steel rod horizontally with both side threaded and tightened with check nuts and washers complete, all as per manufacturer's specification and direction of engineer-in-charge.	Sqm	2.00	4362.00	8,702.19
57	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters : 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	Sqm	6.30	2172.10	13,684.23
58	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces	Sqm	5.04	5804.35	29,253.92
59	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 :150x10 mm.	Each	5.00	82.55	412.75
60	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 :125 mm.	Each	8.00	66.25	530.00
61	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 :250x16 mm.	Each	8.00	260.60	2,084.80
62	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings /wooden frames with rawl plugs screws etc.	Kg	272.71	238.35	65,000.43



63	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete (1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing. Openable steel windows as per IS sizes with side hung shutters and horizontal glazing bars. [The extra rate admissible for the openable portion only]	Sq. M	16.47	1982.00	32,643.54
64	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes	Sqm	16.47	1064.65	17,534.79
65	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	per litre	1500.00	11.00	16,500.00
66	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 20 mm dia. medium quality	metre	20.00	335.00	6,700.00
67	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 25 mm dia. medium quality	metre	21.20	401.55	8,512.86
68	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 50 mm nominal dia Pipes	metre	10.00	934.15	9,341.50
69	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 50 mm nominal bore	Each	2.00	1026.65	2,053.30



70	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 : W.C. pan with ISI marked white solid plastic seat and lid.	Each	1.00	6515.55	6,515.55
71	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :One urinal basin with 5 litre white P.V.C. automatic flushing cistern	Each	1.00	6258.75	6,258.75
72	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 Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap	Each	1.00	1879.20	1,879.20
73	Supplying,fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. 600 mm long.	Each	3.00	127.50	382.50
74	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.Flexible pipe.40 mm dia.	Each	6.00	119.55	717.30
75	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	1.00	1607.95	1,607.95
76	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	Each	1.00	168.35	168.35
77	Providing and fixing PTMT shelf 440 mm long, 124 mm width and 36 mm height of approved quality and colour, weighing not less than 300 gms.	Each	1.00	713.20	713.20
78	Providing and fixing PTMT bib cock of approved quality and colour : 15 mm nominal bore, 165 mm long, weighing not less than 110 gms	Each	1.00	176.85	176.85
79	Providing and fixing PTMT angle stop cock 15 mm nominal bore, weighing not less than 85 gms	Each	2.00	156.90	313.80
80	Providing and fixing PTMT stop cock of approved quality and colour :15 mm nominal bore, 86 mm long, weighing not less than 88 gms	each	1.00	118.50	118.50

81	Providing and fixing PTMT Two-way bib cock with wall flange of standard design and of approved make and quality including all necessary fixtures. (Approved make: PRAYAG or equivalent approved by EIC)	each	1.00	499.00	499.00
82	Supplying, fitting and fixing shower of approved brand and make. Hand Shower (Health Faucet) with 1mtr Flexible Tube with Wall Hook (Equivalent to Code No.573 & Model - ALLIED of Jaquar or similar).	Each	1.00	1490.90	1,490.90
83	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour : 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	Each	4.00	708.95	2,835.80
84	Supplying, fitting and fixing C.I. round grating. 100 mm.	Each	5.00	73.90	369.50
85	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. 75 mm diameter.	m	5.21	248.80	1,296.25
86	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. 110 mm diameter	m	25.00	377.40	9,435.00
87	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. Coupler- 75 mm	Each	5.00	91.70	458.50
88	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. Coupler- 110 mm	Each	5.00	136.15	680.75
89	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°: 75mm bend	Each	5.00	105.90	529.50
90	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°: 110mm bend	Each	5.00	150.35	751.75



91	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 Shoe	Each	10.00	131.85	1,318.50
92	Supply of Labour : Coolie	Each	10.00	691.00	6,910.00
Total PART-A, Civil Works =					38,99,403.66

PART B - SANITARY

93	Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings, S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming, dressing the bed and refilling the sides of the tanks with earth, removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber and including constructing attached inspection pit as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials. Note:- (i) Finished level of Septic Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm. Ventilation pipe & Mosquito proof mesh, should be followed as per IS:2470, Part- I. Payment will be made separately on the basis of actual height based on relevant I.S.Code. (vi) For 20 users A) With Pakur variety. (SAIL/TATA/RINL)	Each	1.00	54992.00	54,992.00
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94	Construction of circular soak well 2.5 metre deep in all types of sandy soils with dry brick work upto 1.6 metre from the bottom having 150 mm intermediate cement brick work (1:4) band all round and cement brick work (1:4) upto 0.90 metre from top with 20mm thick cement plastering (1:4) to inside face upto the depth of cement brick work, 15mm thick cement plaster (1:4) on outer face from top of the well upto G.L. and 6 mm thick cement plaster (1:4) on top of the R.C.C. cover slab including filling bottom 1.00 metre of inside of the well with brick metal (50 mm to 63 mm size) including R.C.C. cover slab of 100 mm thick with cement conc (1:1.5:3) with stone chips with necessary reinforcement and shuttering including one 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the cover slab with necessary fittings, making necessary arrangements for pipe connections, excavation of well including shoring, dewatering and removing the excess earth from the premises as per direction complete in all respect with all costs of labour and materials. With 250 mm thick dry brick work and 250 mm thick cement brick work (1:6) and 1.00m inside dia. (SAIL/TATA/RINL)	Each	1.00	19288.09	19,288.09
95	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992. Single Socketed 3 Meter Length pipe .75 mm	m	5.00	233.60	1,168.00
96	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992. Single Socketed 3 Meter Length pipe .110 mm	m	25.00	348.00	8,700.00
97	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992. Single Socketed 3 Meter Length pipe . 160 mm	m	5.00	650.70	3,253.50
98	UPVC Fittings Plain Tee : - 75 mm	Each	5.00	54.80	274.00
99	UPVC Fittings Plain Tee : 110 mm	Each	5.00	101.30	506.50
100	UPVC Fittings Plain Tee : 160 mm	Each	5.00	312.30	1,561.50
101	UPVC Fittings Door Tee : 75 mm	Each	5.00	120.40	602.00
102	UPVC Fittings Door Tee : 110 mm	Each	5.00	232.40	1,162.00
103	UPVC Fittings Door Tee : 160 mm	Each	5.00	612.60	3,063.00
104	UPVC Fittings Bend 87.5° : 75 mm	Each	5.00	72.70	363.50
105	UPVC Fittings Bend 87.5° : 110 mm	Each	5.00	143.00	715.00
106	UPVC Fittings Bend 87.5° : 160 mm	Each	5.00	402.80	2,014.00
107	UPVC Fittings Door Bend (T.S.) : 75 mm	Each	5.00	98.90	494.50
108	UPVC Fittings Door Bend (T.S.) : 110 mm	Each	5.00	175.20	876.00
109	UPVC Fittings Door Bend (T.S.) : 160 mm	Each	5.00	439.80	2,199.00
110	UPVC Fittings Vent cowl 75 mm	Each	5.00	29.80	149.00
111	UPVC Fittings Nahani Trap	Each	3.00	125.10	375.30
112	Providing and fixing 200 mm dia PVC Eco Drain Structured Wall Pipes with necessary fittings conforming to IS-16098 . complete as per direction of Engineer-in-charge. Both side plain.	metre	20.00	286.00	5,720.00

Total PART-B, Sanitary Works = 1,07,476.89

TOTAL OF PART A + B= 40,06,880.55

PART C - Electrical

113	Wiring for light point / fan point /call bell point / exhaust fan point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable in surface / recessed with medium class PVC conduit, modular switch, modular plate, suitable size GI box and earthing the point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable etc as required. Wire/PVC conduit Make : CPWD approved make at IIT project				
a)	Above 6 metres .	Point	20.00	1362.00	27240.00
b)	Up-to 6 meters	Point	15.00	1189.00	17835.00
114	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. Wire/PVC conduit Make : CPWD approved make at IIT project				
a)	2 X 1.5 sq mm +1 X 1.5 sq mm earth wire	Mtr.	20.00	267.00	5340.00
b)	2 X 2.5 sq mm +1 X 2.5 sq mm earth wire	Mtr.	200.00	311.00	62200.00
c)	2 X 4 sq mm +1 X 4 sq mm earth wire	Mtr.	80.00	373.00	29840.00
d)	2 X 6 sq mm +1 X 6 sq mm earth wire	Mtr.	20.00	482.00	9640.00
115	Supplying and fixing following sizes / modules, GI box along with modular base & cover plate for modular switches in recess etc. as required. Make : CPWD approved make at IIT project				
a)	1 or 2 Module	Each	4.00	354.00	1416.00
b)	3 Module	Each	6.00	384.00	2304.00
c)	4 Module	Each	1.00	401.00	401.00
d)	6 Module	Each	8.00	462.00	3696.00
e)	8Module	Each	1.00	517.00	517.00
f)	12 Module	Each	1.00	614.00	614.00
116	Supplying and fixing following modular switch / socket on the existing modular plate & switch box including connections but excluding modular plate etc as required .This includes disconnecting and dismantling the old items and depositing them to store. Make : CPWD approved make at IIT project				
a)	5 /6 amps switch	Each	10.00	121.00	1210.00
b)	15 /16 amps switch	Each	8.00	176.00	1408.00
c)	3 pin 5 /6 amps socket outlet	Each	10.00	136.00	1360.00
d)	6 pin 15 / 16 amps socket outlet	Each	8.00	219.00	1752.00
117	S&F of modular type 1M stepped electronic fan regulator on existing board with all connection as required. Make : CPWD approved make at IIT project	Each	6.00	457.00	2742.00





118	Supply of 4 core ,stranded PVC /XLPE insulated PVC shathed GI strip armoured 25 sq. mm aluminium conductor cable 650/1100V grade confirming to IS : 7098(part-1). Make : CPWD approved make at IIT project	Meter	150.00	424.00	63600.00
119	Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required. Make : CPWD approved make at IIT project	Each	5.00	104.00	520.00
120	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required . Make : CPWD approved make at IIT project	Each	6.00	47.00	282.00
121	Supplying and fixing 4 pole 63 A rating, 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. Make : CPWD approved make at IIT project	Each	2.00	3000.00	6000.00
122	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 PVC insulated copper conductor single core cable etc as required.	Each	6.00	266.00	1596.00
123	Extra for fixing the louvers / shutters complete with frame for a exhaust fan of all sizes.	Each	9.00	260.00	2340.00
124	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 GI wire for E.C.C making holes and manding good the damages to original finish incl. Painting. (Cable Dept supply).				
a)	Upto 35 sq mm (clamped with 1 mm thick saddle)	Mtr.	50.00	64.00	3200.00
125	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.	100.00	453.00	45300.00
126	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. Make : CPWD approved make at IIT project				
a)	3.5 X 25 sq mm	Each	2.00	371.00	742.00
127	Earthing with GI earth pipe 4.5 mtr long, 40 mm dia including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/coke and salt as required Make : CPWD approved make at IIT project	Each	2.00	5958.00	11916.00

128	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"overlapping of the strips and by welding only. Make : CPWD approved make at IIT project	Mtr.	20.00	287.00	5740.00
129	Supplying and fixing following way, single pole and neutral, 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) Make : CPWD approved make at IIT project				
a)	8 +2 way , Double door	Each	1.00	2773.00	2773.00
130	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A 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 TPDB is normally used where 3 phase outlets are required.) Make : CPWD approved make at IIT project				
a)	4 way (4 + 12), Double door	Each	1.00	7951.00	7951.00
131	Supplying and fixing 5 A to 32 A 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. Make : CPWD approved make at IIT project				
a)	Single pole	Each	12.00	285.00	3420.00
b)	Double Pole	Each	1.00	696.00	696.00
c)	Triple pole and neutral	Each	1.00	1301.00	1301.00
132	Installation of exhaust fan making the hole including of all hardwares & making good the damage connection, testing, commissioning etc. complete as required.				
a)	Upto 450 mm sweep	Each	9.00	556.00	5004.00
133	Supply and fixing of 32 mm dia, thickness 1.6 mm, 27 inch length GI Bracket Make : CPWD approved make at IIT project	Each	6.00	420.00	2520.00
134	Supplying and fixing brass batten/ angle holder including connection etc. as required.	Each	4.00	154.00	616.00
135	Supply, Installation, Testing and Commissioning of 300 mm sweep, heavy duty metal exhaust fan with metal guard, double ball bearing, Air delivery minimum 1600 CMH, 1400 RPM (tolerance as per IS : 374-2019) with copper winding, suitable for 230 V, 50 Hz, single phase AC. Make : CPWD approved make at IIT project	Each	9.00	4240.00	38160.00





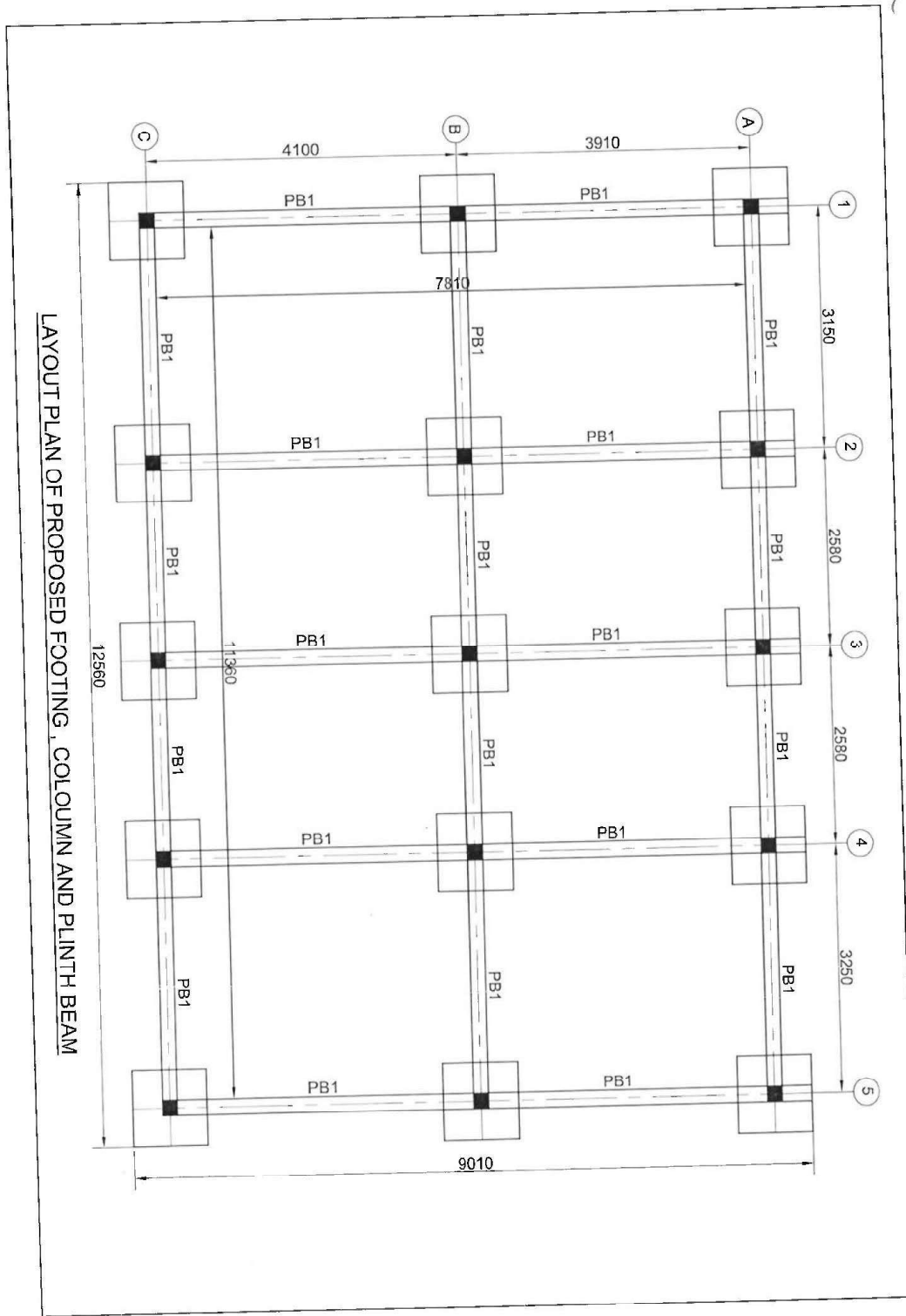
136	Supply, Installation, Testing and Commissioning of ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. metal(Aluminium alloy) blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, steel/Al body Power Factor not less than 0.9, Service Value (CM/M/W) minimum as below, 350 RPM (tolerance as per IS : 374-2019), THD (Total Harmonic Distortion) less than 10%, suitable for operation with regulator for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 0C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC supply, Ceiling Fan compliant to IS 374:2019 fan i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required.1200mm, service value ≥ 6.0 CM/Min/Watt, air delivery 210 CM/Min (Minimum).With 2 years replacement warranty. Make : CPWD approved make at IIT project	Each	6.00	2695.00	16170.00
137	Supply and fixing of 200 mm pvc body exhaust fan, cu winding,air delivery- 550 CMH,RPM-1300 With 1 years replacement warranty. Make : CPWD approved make at IIT project	Each	1.00	2312.00	2312.00
138	Supply, Installation, Testing and Commissioning of 4 ft Clamp Wall mounting type complete led batten set , BIS Safety Standard : R-71006661/IS10322(Part 5/Sec1) ,2012, Material : Aluminium Extrusion,,PC Diffuser , Input Voltge Range : 220-240 VAC ,50 Hz , Input Current Range : 0.088A-0.98 A , Input Power Range : 22 w +/- 2.2 w , Lumen : 2640 lumen (+/- 10 %) , , CCT/CRI : 6500K(6530 +/- 510K) />80 , P.F >0.9 , THD <=15% , surge protection=>4.0 kV, Driver efficiency=> 80%, Make -CPWD approved in IIT Kgp project. Note: 1. Manufacturerer shall provide LM 79 certificates from NABL accredited laboratories/Govt. approved Labs. 2. Contractor shall provide FIVE years onsite replacement gurantee of total LED set like driver, lamp etc. after commissioning at site.Same should be submitted in technical bid.	Each	14.00	527.00	7378.00

139	Supply, Installation, Testing and Commissioning of IP 66 rated with pressure die cast aluminium housing, glass cover and lens outdoor LED light, BIS Safety Standard : R-71006661/IS10322(Part 5/Sec1), 2012, Input Voltage Range : 220-240 VAC, 50 Hz, Input Current Range : 0.11 A, Input Power Range : 25 w +/- 10%, Lumen : 2500 lumen (+/- 10%), CCT/CRI : 6500K(6530 +/- 510K) / >70, P.F >0.9, THD <=10%, surge protection >=4.0 kV, Driver efficiency >= 80%, Make -CPWD approved in IIT KGP project. Note: 1. Manufacturer shall provide LM 79 certificates from NABL accredited laboratories/Govt. approved Labs. 2. Contractor shall provide FIVE years onsite replacement guarantee of total LED set like driver, lamp etc. after commissioning at site. Same should be submitted in technical bid. 3. Labeling on each fittings and lamps with paint/permanent markers mentioning brief description of the Hall, date of installation, date of expiry of guarantee etc is mandatory for identification and maintaining of replacement records etc without which the contractor will not be allowed to work.	Each	6.00	2724.00	16344.00
Total PART-C, Electrical Works =					415396.00
TOTAL OF PART A + B+C=					44,22,277.00

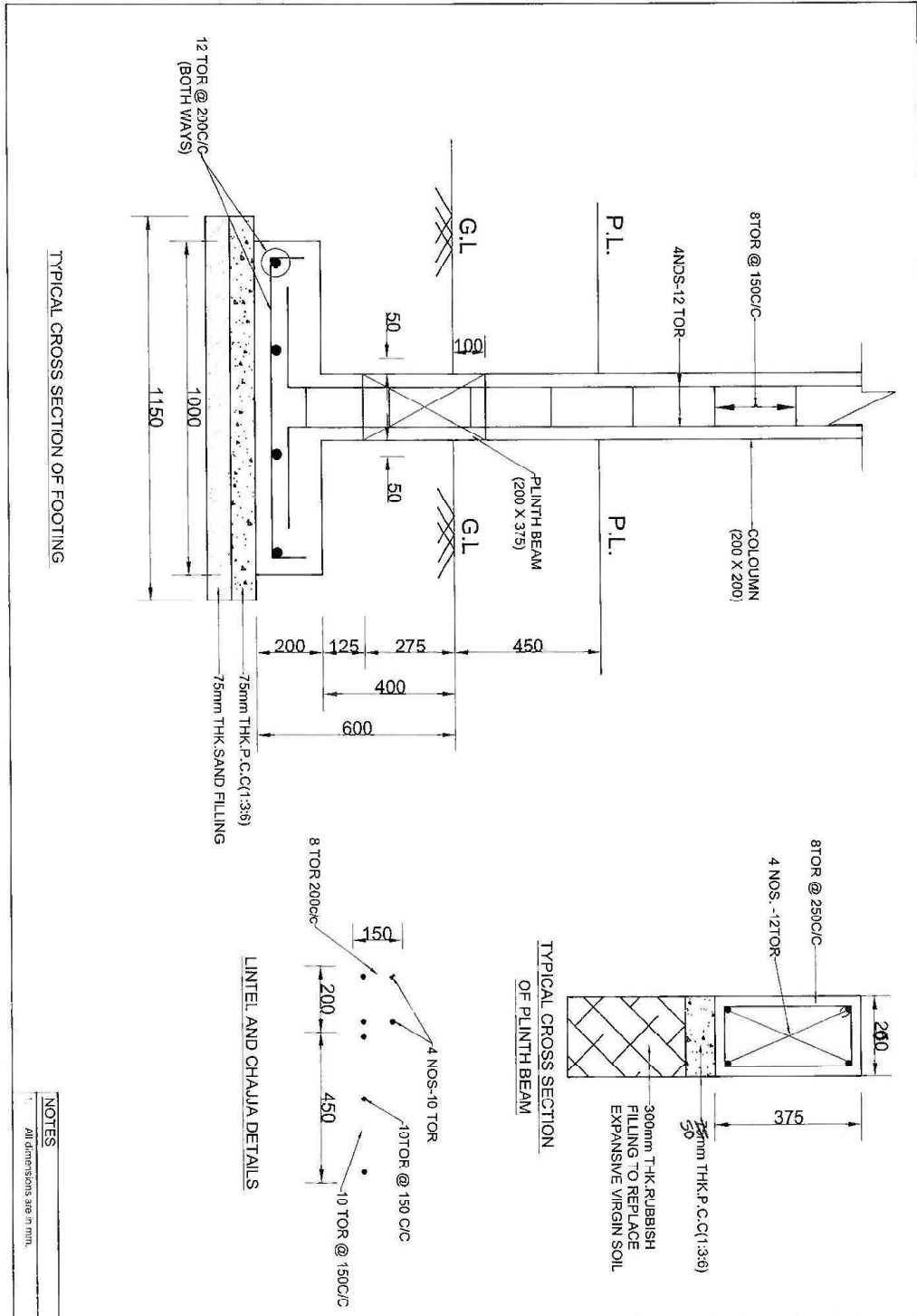


N.B:1) All materials to be used after prior approval of Engineer in charge.

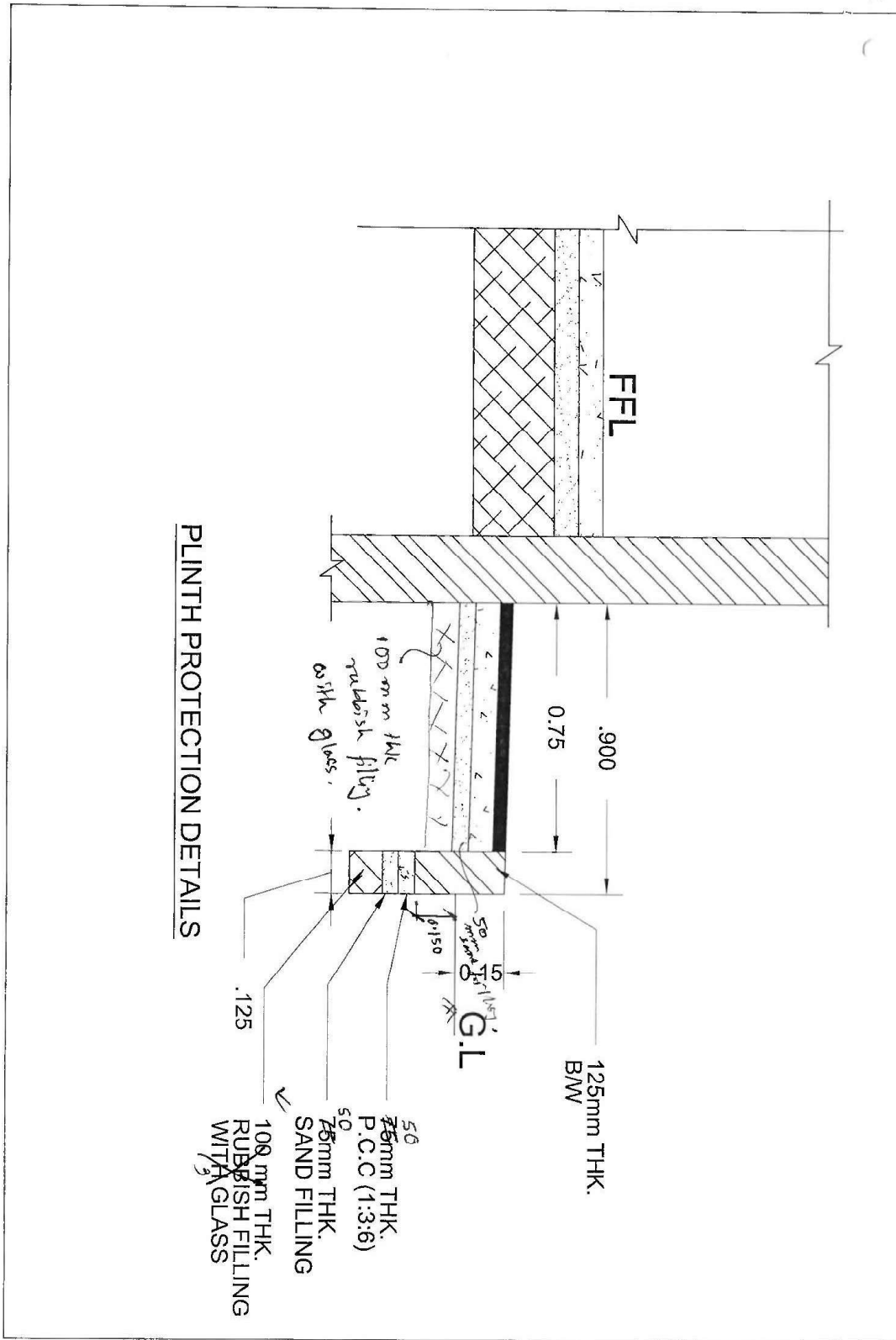
- 2) Labeling of each fittings with paint/permanent markers mentioning Date of installation & date of expiry of guarantee is mandatory.**
- 3) No twist joint is allowed in the electrical wiring**
- 4) Marking of the MCB's in the MCB DB**
- 5) Marking of the Switch boards and Power boards**
- 6) Switches/Socket/ Fan regulator should fit in the existing modular box**
- 7) Lugs to be used for DB incoming and outgoing terminations.**
- 8) Earth pit resistance to be checked and labelled with enamel paint.**

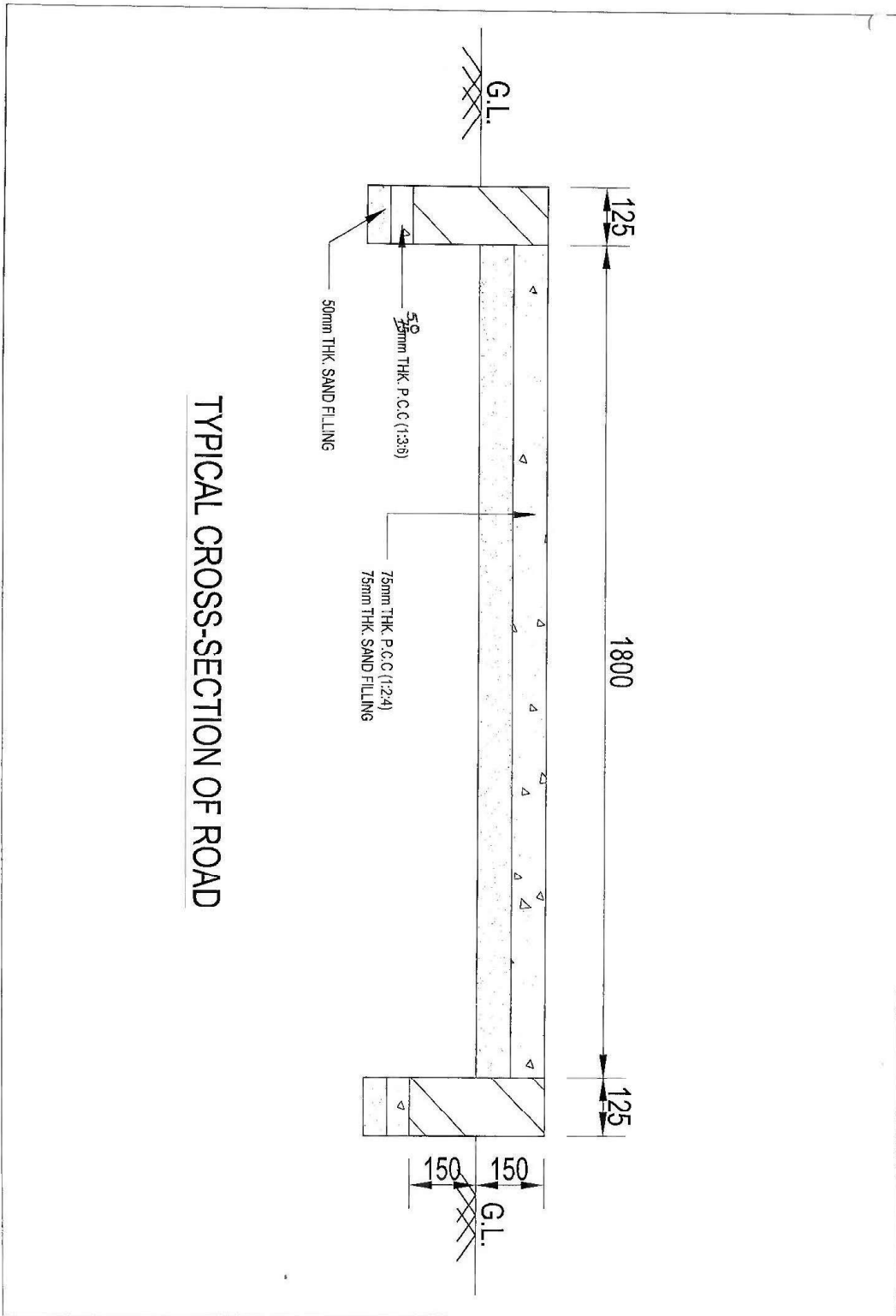


LAYOUT PLAN OF PROPOSED FOOTING, COLOUMN AND PLINTH BEAM



NOTES
1. All dimensions are in mm.





TYPICAL CROSS-SECTION OF ROAD