



INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR
KHARAGPUR, WEST BENGAL 721302

TENDER DOCUMENT

for

Routine civil maintenance of Halls Zone – I (SAM,
SN/IG,RLB, MT & Sister Nivedita, VGH Hall of Residence)
at IIT Kharagpur.

NIT NO. IITKGP/IW/SP/26-27/RCM/40



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 **Routine civil maintenance of Halls Zone – I (SAM, SN/IG,RLB, MT & Sister Nivedita, VGH Hall of Residence) at IIT Kharagpur**. Particulars of the project are as following.

1.2. PARTICULARS

1.NIT Number	IITKGP/IW/SP/26-27/RCM/40
2.Name of Work	Routine civil maintenance of Halls Zone – I (SAM, SN/IG,RLB, MT & Sister Nivedita, VGH Hall of Residence) at IIT Kharagpur.
3.Location of Work	Halls Zone – I (SAM, SN/IG,RLB, MT & Sister Nivedita, VGH Hall of Residence) at IIT Kharagpur
4.Estimated Cost (including 18% GST)	₹40,00,000.00(Rupees Forty Lakhs Only).
5.Earnest Money Deposit	₹ 80,000.00 (Rupees Eighty 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	365 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 documents physically in a separate envelope superscribed with the tender details at the “Stores and Purchase Section, 2nd Floor, Main Building, IIT Kharagpur, Kharagpur WB 721302”.</p> <p>ii) Scanned copy of valid Demand Draft/ Pay Order has to be uploaded on https://eprocure.gov.in/eprocure/app</p> <p>iii) Demand Draft/Pay order to be drawn in favour of IIT KHARAGPUR payable at Kharagpur.</p> <p>iv) EMD shall be valid for 60 Days from date of opening of Technical Bid.</p>
9.Date, Time & Venue of Pre-bid Meeting	26th May, 2026 at 16:25 hrs, Committee Room, First Floor, Main Building, IIT Kharagpur, Kharagpur-721302
10.Closing Date & Time for Receipt of bids	05 th June, 2026 , upto 16:30 hrs
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.	Mrs. B. Datta, Executive Engineer (Civil/Horticulture), Tel: 03222-282586 : Email: bithika@adm.iitkgp.ac.in
14. Address for tender issue, submission and opening	Stores & Purchase Section, 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 along with EMD to be submitted at “Store and Purchase Section, 2nd Floor, Admin. Building, IIT Kharagpur, Kharagpur WB 721302” within 07 days from Closing Date & Time for Receipt of bids(Online).
18. Defect liability Period	Defect liability period will be 01 (One) year from 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 Organization. Joint Venture is not allowed.

1.3.2. The bidder must have done at least 1 (ONE) similar work of value of 80% of the estimated cost or 2 (TWO) similar works for projects each of value 50% of the estimated cost or 3 (THREE) similar work for projects each of value 40% of the estimated cost with Government/ Semi-government/PSU/ Government Funded Autonomous Organization/ Any other Reputed Organization during last 7 (seven) years preceding last date of the month of tender submission.

Note:

- (i) The estimated cost is ₹ 40,00,000.00 (Rupees Forty lakhs 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: **Maintenance /Repair & Renovation/ Construction of Civil structure.**

1.3.3. The bidder must be registered with appropriate government authority as a bonafide business entity and must have GST registration certificate and Permanent Account Number of income tax.

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

1.3.5. The Average annual turnover of the bidder as per ITCC or profit & loss statement shall not be less than 30% of the estimated cost of project, not having incurred loss in more than two years, during last 5 years ending 31 Mar 2025. The documents submitted should be duly certified and audited by Chartered Accountant with UDIN No. Summary statement in support of the above shall be submitted as per ANNEXURE-III.

2. INFORMATION TO BIDDERS

2.1 SCOPE OF WORK

- 2.1.1 The IITKGP intends for **Routine civil maintenance of Halls Zone – I (SAM, SN/IG,RLB, MT & Sister Nivedita, VGH Hall of Residence) at IIT Kharagpur**. The work consists of all types of routine civil maintenance works at aforesaid area.

Constraint: The job needs to be executed in Halls Zone – I (SAM, SN/IG,RLB, MT & Sister Nivedita, VGH Hall of Residence) at IIT Kharagpur without causing any disturbances to the normal functioning of routine activities/ road networks / Safety & security of the ladies boarders.

- 2.1.2 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.

2.2 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 prior to the date of 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;sessionid=2A56E178EED5C7D8536175EFB573C9F.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: IITKGP/IW/SP/26-27/RCM/40 for the work: Routine civil maintenance of Halls Zone – I (SAM, SN/IG,RLB, MT & Sister Nivedita, VGH Hall of Residence) at IIT Kharagpur.**" as prescribed in Tender document.

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 NIT Clause 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 **Stores & Purchase Section, Main Building, IIT Kharagpur, Kharagpur WB 721302, within due date** or Corrigenda otherwise.
- 2.3.14 **EMDs shall be submitted in an envelope super scribed "Routine civil maintenance of Halls Zone – I (SAM, SN/IG,RLB, MT & Sister Nivedita, VGH Hall of Residence) at IIT Kharagpur" with the NIT NO: IITKGP/IW/SP/26-27/RCM/40.**

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 **Stores & Purchase Section, 2nd Floor, Main Building, IIT Kharagpur, Kharagpur WB 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 **Evaluation of Technical Bid:** The bids received will then be assessed on the eligibility criteria mentioned at Para 1.3 of Notice Inviting Tender.
- 2.4.4 IITKGP retains the right to revert back to individual bidders with further clarifications / queries on the Technical Bid. The bidder has to respond to the queries within the specified time. Bids found not meeting the eligibility criteria shall be considered non-responsive and shall be rejected summarily.
- 2.4.5 **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.
- 2.4.6 **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.
- 2.4.7 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**.
- 2.4.8 **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.
- 2.4.9 **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.
- 2.4.10 **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.

2.5 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:
- a. Appointment letter by the contractor to the technical staff.
 - b. Letter as above, or a supplementary one to above confirming deployment of the technical staff on the specific work.
 - c. Copy of PAN card or Voter ID card of the technical staff in support of his/ her identity.
 - d. Copy of Aadhar card of the technical staff in support of his/ her address.
 - e. Contact details (phone number and email address) of the technical staff.

2.6 SPECIAL CONDITIONS OF CONTRACT:

- a. 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.
- b. 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).
- c. Payment of monthly bills shall be made only after verification of EPF/ESI contributions by IIT KGP.

2.7 COMPLAINTS HANDALING:

- 2.7.1 All Maintenance complaints shall be got addressed by the contractor to the satisfaction of Engineer in –charge within 3 days from the date of allotment of the “Job Card “
- 2.7.2 Complaints requiring completion time more than 3 days shall be responded specifically by the contractor with the scheme, in consultation with Engineer-in-charge, and timeline for compliance, to the Engineer-in –charge within 3days from the date of allotment of “Job Card “.
- 2.7.3 Any complaint left unattended by the contractor beyond 3 days within specific reason on record shall attract levy of penalty of Rs 50/-per complaint per day from 4th day to 7th day and 100/- per complaint per day thereafter recordable from dues to the contractor.
- 2.7.4 In case of emergency situation, contractor should be available 24x7 to attend that specific emergency work.

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

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

Seal & Signature of Contractor

ANNEXURE - II

UNDERTAKING FOR GCC COMPLIANCE

UNDERTAKING

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

Seal & Signature of Contractor

DATED:

ANNEXURE - III

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

TO WHOM IT MAY CONCERN

This is to certify that the total turnover and Profit/Loss summary of M/s
 having its
 registered office at

...for last five Financial years are as given below: -

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

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

(TO BE VERIFIED BY Chartered Accountants)

Date & Seal
 UDIN NO.

ANNEXURE – 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 the 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****Abstract Sheet**

Name of the Work : Routine Civil Maintenance of Halls Zone-I (SN/IG, RLB, MT & Sister Nivedita Hall of Residence) at IIT Kharagpur

Sl. No.	Description of Item	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	Cum	25.00	260.30	6,507.50
2	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 up to 50 m and lift up to 1.5 m.	Cum	5.00	196.00	980.00
3	Excavating, supplying and filling of local earth (including royalty) by mechanical transport up to a lead of 5 km, also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc., complete.	Cum	1.00	700.50	700.50
4	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	10.00	2,123.75	21,237.50
5	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift upto 1.5 m. All kinds of soil.	Sqm	20.00	34.15	683.00
6	Supplying chemical emulsion in sealed containers including delivery as specified. Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	ltr	5.00	234.75	1,173.75
7	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti- termite treatment (excluding the cost of chemical emulsion) : Treatment of existing masonry using chemical emulsion @ one litre per hole at 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1 cement : 2 coarse sand) to the full depth of the hole : With Chlorpyriphos/Lindane E.C. 20% with 1% concentration.	metre	10.00	43.00	430.00

8	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti- termite treatment (excluding the cost of chemical emulsion): Treatment at points of contact of wood work by chemical emulsion Chlorpyriphos/ Lindane (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.	metre	15.00	279.70	4,195.50
9	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	Cum	1.00	8,340.85	8,340.85
10	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) : 4 graded stone aggregate 20 mm nominal size)	Cum	5.00	7,878.50	39,392.50
11	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) : 6 graded stone aggregate 40 mm nominal size).	Cum	5.00	7,178.75	35,893.75
12	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand(zone-III) : 8 graded stone aggregate 40 mm nominal size).	Cum	0.50	6,812.00	3,406.00
13	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	1.00	9,045.75	9,045.75
14	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 : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	Cum	1.00	8,583.40	8,583.40
15	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) : 3 graded stone aggregate 20 mm nominal size)	Cum	1.00	10,852.95	10,852.95
16	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	10.00	70.35	703.50

17	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 as per directions of Engineer-in-Charge.	Per Bag of 50 Kg of cement	10.00	78.35	783.50
18	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete.	Sqm	15.00	392.15	5,882.25
19	Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, girders, bressumers and cantilevers.	Sqm	10.00	736.40	7,364.00
20	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	10.00	107.85	1,078.50
21	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	125.00	107.85	13,481.25
22	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:4 (1 cement : 4 coarse sand).	Cum	5.00	7,370.65	36,853.25
23	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	5.00	8,962.35	44,811.75
24	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).	Sqm	5	1,105.80	5,529.00
25	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in. Cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm	1.00	905.05	905.05
26	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	1.00	1,123.80	1,123.80
27	Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks:1:4 (1 cement : 4 coarse sand).	Sqm	1.00	1,006.95	1,006.95

28	Providing and fixing 18mm 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 20mm 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 of any colour and shade Area of slab over 0.50 sqm.	Sqm	2.00	5,136.30	10,272.60
29	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia. & length (hold fast lugs or dash fastener shall be paid for separately). Sal wood	Cum	0.20	1,16,520.30	23,304.06
30	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	30.00	2,172.10	65,163.00
31	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 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	metre	95.00	763.85	72,565.75

32	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	37.50	4,362.00	1,63,575.00
33	Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors (cost of glass excluded) (overall area of door shutter to be measured) : Rectangular or square.	Sqm	0.90	199.15	179.24
34	Providing and fixing teak wood lipping of size 25x3 mm in pelmet etc.	metre	15.00	73.70	1,105.50
35	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 steel windows by welding.	Kg	100.00	219.10	21,910.00
36	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete : 100x58x1.90 mm	each	20.00	45.00	900.00
37	Providing and fixing aluminium casement stays, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.	No.	25.00	71.50	1,787.50
38	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : 125x64x1.90 mm	each	25.00	118.20	2,955.00
39	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : 100X58X1.90 mm	each	25.00	107.10	2,677.50
40	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : 75x47x1.80 mm	each	6.00	80.05	480.30
41	Providing and fixing ISI marked aluminium butt hinges 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: 125x63x4 mm	each	10.00	126.65	1,266.50

42	Providing and fixing ISI marked aluminium butt hinges 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: 100x63x3.2 mm	each	10.00	96.90	969.00
43	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	60.00	260.60	15,636.00
44	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 : 300x10 mm	each	5.00	130.10	650.50
45	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 : 250x10 mm	each	25.00	115.15	2,878.75
46	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	25.00	82.55	2,063.75
47	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	25.00	66.25	1,656.25
48	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 : 100 mm	each	5.00	59.55	297.75
49	Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete: necessary screws etc. complete With continuous plate base (Hexagonal/ Round rod 125 mm grip x 10 mm dia rod	Each	10.00	112.10	1,121.00
50	Supplying 125 mm. Dia acrylic handle for aluminium door as per approved make & brand. Natural Colour.	Each	6.00	215.72	1,294.32
51	Two point nose aluminium handle including fitting and fixing.	Each	20.00	47.67	953.40
52	Two point nose steel handle including fitting and fixing	Each	20.00	40.52	810.40
53	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868)transparent or dyed to required colour and shade with necessary screws etc. complete. a) Single rubber stopper	each	20.00	39.60	792.00

54	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868)transparent or dyed to required colour and shade with necessary screws etc. complete. b) Twin rubber stopper.	each	5.00	72.35	361.75
55	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete. Double strip (horizontal type)	each	15.00	39.70	595.50
56	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete. 125 mm	each	10.00	119.20	1,192.00
57	Repairs to automatic door closer including replacement of damaged main spring, oiling and adjusting as necessary including taking out and refitting the same.	Each	10.00	375.24	3,752.40
58	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.	20.00	1,962.34	39,246.80
59	Repairing collapsible gate by cutting out all rivets as necessary assembling all members including welding pieces of channels, straightening bent bars and rivetting with new rivets and fitting in position and painting two coats.	Sq.M.	2.00	447.22	894.44
60	Renewing bottom rail or top runners of collapsible gate including mending good all damages	Kg.	5.00	89.68	448.40
61	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	50.00	1,064.65	53,232.50
62	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows all complete with : 4.0 mm thick pin headed glass panes.	Sqm	50.00	990.70	49,535.00
63	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: Float glass panes of nominal thickness 4 mm (weight not less than 10kg/sqm).	Sqm	10.00	1,090.65	10,906.50
64	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: Float glass panes of nominal thickness 5 mm (weight not less than 12.5kg/sqm).	Sqm	10.00	1,416.15	14,161.50
65	Renewal of old putty of glass panes (length) .	metre	25.00	56.15	1,403.75
66	Re-fixing old glass panes with putty and nails .	Sqm	50.00	729.85	36,492.50

67	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	50.00	133.70	6,685.00
68	Providing and fixing 1 mm 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	10.00	5,804.35	58,043.50
69	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	2.00	194.40	388.80
70	Welding by gas or electric plant including transportation of plant at site etc. complete.	cm	15.00	3.70	55.50
71	Welding in M.S. structural work with gas or electric where necessary as per direction of engineer in charge in any floor complete in all respect. (a) Tack weld.	Point	50.00	10.70	535.00
72	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete.	Kg	2.00	123.60	247.20
73	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg	2.00	172.60	345.20
74	Providing and fixing angle iron frames for doors, windows and ventilators of mild steel Angle sections of size 35x35x5 mm or approved size by Engineer-In-Charge, joints mitred and welded by angle iron 35x35x5 mm or 35x 5 mm flat pieces to the existing T-iron frame or to the wall with dash fastener, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer, all complete as per the direction of Engineer-In-charge.	Kg	200.00	130.50	26,100.00
75	Supplying EPDM gasket of approved make and brand as per direction of Engineer in charge. For sliding Aluminium windows. 'U' shaped EPDM gasket for frames.	Meter	100.00	17.90	1,790.00
76	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	100.00	614.20	61420

77	Providing and fixing glass strips in joints of terrazzo/ cement concrete floors. Providing and fixing glass strips in joints of terrazzo/ cement concrete floors : 40mm wide and 4mm thick.	metre	100.00	91.75	9,175.00
78	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	50.00	1,948.25	97,412.50
79	Providing and fixing M.S. angle 50x50x5 mm to act as nosing with lugs of M.S. flat 10x5 mm 10cm long forked at end 60cm apart (minimum three lugs to be provided) including necessary welding and applying a priming coat of approved primer on exposed surface etc. complete.	Kg	50.00	177.80	8,890.00
80	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 : 3coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete	Sqm	100.00	1,267.95	1,26,795.00
81	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 etc. laid on 20 mm thick cement mortar 1:4 (1 Cement :4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	Sqm	150.00	1,096.55	1,64,482.50
82	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 @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	Sqm	200.00	1,553.45	3,10,690.00
83	Providing and laying Vitrified 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 brand & manufacturer in all colours and shade in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints(Payment for grouting of joints to be made separately). Size of Tile 600x600 mm	Sqm	50.00	1,893.90	94,695.00

84	Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 600x600 mm	Sqm	48.00	1,725.35	82,816.80
85	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade(0.10 kg of hardener and 0.20 kg of resin per kg), including filling/grouting and finishing complete as per direction of Engineer-in-charge. Size of Tile 600x600 mm	Sqm	50.00	309.05	15,452.50
86	Deduct for not grouting the joints with white cement and matching pigment in the items of fixing of vitrified tiles.	Sqm	50.00	13.30	665.00
87	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, Single socketed pipes. 110 mm diameter	metre	100.00	377.40	37,740.00
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 110mm	No.	35.00	136.15	4,765.25
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 Single tee with door 110x110x110 mm	No.	35.00	234.15	8,195.25
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 Single tee without door 110x110x110 mm	No.	35.00	221.35	7,747.25
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. Bend 87.5° 110 mm bend	No.	35.00	150.35	5,262.25
92	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	No.	35.00	131.85	4,614.75

93	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm hardwood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.110 mm	No.	35.00	371.30	12,995.50
94	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	No.	35.00	54.70	1,914.50
95	Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I. plain/ bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovigs incorporating minimum 0.3% Ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866. The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified. 2mm thick corrugated (2.5" or 4.2" or 6") or step-down (2" or 3" or 6") as specified.	Sqm	25.00	1,401.35	35,033.75
96	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %), total coated thickness with zinc coating 120 gm 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 12metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) 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	20.00	738.65	14,773.00
97	Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 gm 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).	metre	50.00	532.35	26,617.50
98	12 mm cement plaster of mix : 1:4 (1 cement: 4 coarse sand)	Sqm	25.00	347.05	8,676.25
99	15 mm cement plaster on rough side of single or half brick wall of mix : 1:4 (1 cement: 4 coarse sand)	Sqm	150.00	411.75	61,762.50
100	20 mm cement plaster of mix : 1:4 (1 cement: 4 coarse sand)	Sqm	100.00	487.40	48740

101	6 mm cement plaster of mix : 1:3 (1 cement: 3 fine sand)	Sqm	10.00	300.45	3,004.50
102	Neat cement punning	Sqm	200.00	79.95	15,990.00
103	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	200.00	156.05	31,210.00
104	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm	1,000.00	25.15	25,150.00
105	Scraping and removing greasy soot from walls ,wall tiles, tiles dado or ceiling of kitchen or similar smoke affected rooms and preparing the surface in any floor complete in all respect.	Sqm	1,000.00	13.10	13,100.00
106	Cleaning and removing old paint mark from glass pane with spirit and removing strains etc in any floor complete in all respect (External & Internal).	Sqm	50.00	20.30	1,015.00
107	Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. One coat.	Sqm	500.00	62.70	31,350.00
108	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre. of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. One coat.	Sqm	50.00	95.45	4,772.50
109	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre. of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. Two coats.	Sqm	50.00	142.80	7,140.00
110	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade. One or more coats on old work	Sqm	500.00	102.80	51,400.00
111	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work.	Sqm	500.00	155.90	77,950.00
112	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre.	Sqm	600.00	70.35	42,210.00
113	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With ready mixed red oxide zinc chromatic on steel /iron works having VOC content less than 250 grams/litre.	Sqm	1,000.00	67.40	67,400.00
114	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre.	Sqm	500.00	73.95	36,975.00

115	A 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	150.00	181.25	27,187.50
116	Painting with aluminium paint of approved brand and manufacture to give an even shade. Two or more coats on new work	Sqm	50.00	146.80	7,340.00
117	French spirit polishing : One or more coats on old work.	Sqm	15.00	224.80	3,372.00
118	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per directions of Engineer-In-Charge. With cement mortar 1:4 (1cement: 4 coarse sand).	Sqm	200.00	560.5	112100
119	Renewing bottom rail and/or top runner of collapsible gate including making good all damages and applying priming coat of zinc chromate yellow primer of approved brand and manufacturer.	Kg	15.00	298.85	4,482.75
120	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge.	No.	40.00	288.10	11,524.00
121	Hacking of CC flooring including cleaning for surface etc. complete as per direction of the Engineer-in-Charge.	Sqm.	50.00	3.45	172.50
122	Taking out existing wooden door shutter, repair by cutting, painting etc. and re-fixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-in-charge.	No.	100.00	429.10	42,910.00
123	Taking out old damaged tarfelt from the roof, parapet etc. preparing the roof surfaces by removing all spoils, blisters, moss etc. from the working site and disposal of the same beyond the compound and cleaning the site in all respect as per direction of Engineer-in-Charge in all floor.	Sqm	100.00	14.30	1,430.00

124	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3 mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/litre and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc, and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane : 3mm thick.	Sqm	100.00	560.95	56,095.00
125	Demolishing lime concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineer in-charge.	Cum	5.00	851.50	4,257.50
126	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. upto 150 mm. thick	Cum	10	1,119.10	11,191.00
127	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in-charge.	Cum	5.00	3,551.25	17,756.25
128	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	10.00	2,060.20	20,602.00
129	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area 3 sq. metres and below	No.	50.00	367.20	18,360.00
130	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area beyond 3 sq. metres	No.	5.00	502.75	2,513.75
131	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead: Of area 3 sq. metres and below	No.	50.00	143.50	7,175.00
132	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead: Of area beyond 3 sq. metres	No.	5.00	188.20	941.00

133	Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead : Of sectional area 40 square centimetres and above.	Cum	10.00	4,459.10	44591
134	Extra for dismantling trusses, rafters, purlins etc. of wood work for every additional span of one metre or part thereof beyond 10 metres :	Metre	10.00	1.65	16.50
135	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	Kg	25.00	5.65	141.25
136	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	Sqm	548.00	73.40	40,223.20
137	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sqm	50.00	266.45	13,322.50
138	Dismantling artificial stone flooring upto 50 mm. thick by carefully chiselling without damaging the base and removing rubbishes directed within a lead of 75 m.in any floor complete in all respect. In ground floor including roof.	Sq.M.	50.00	59.60	2,980.00
139	Dismantling artificial stone flooring upto 50 mm. thick by carefully chiselling without damaging the base and removing rubbishes directed within a lead of 75 m.in any floor complete in all respect. Extra for each addl. Floor over the rate of ground floor	Sq.M.	50.00	7.20	360.00
140	Dismantling chunar/kota stone flooring carefully including removing rubbish within a lead of 75 m. stacking the serviceable materials as directed.	Sqm	50.00	41.70	2,085.00
141	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of: G.S. Sheet	Sqm	50.00	164.95	8,247.50
142	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of: Asbestos sheet	Sqm	50.00	77.30	3,865.00
143	Dismantling and stacking within 50 metres lead, fencing posts or struts including all earth work and dismantling of concrete etc. in base of: R.C.C.	No.	50.00	243.30	12,165.00
144	Dismantling barbed wire or flexible wire rope in fencing including making rolls and stacking within 50 metres lead.	Kg	50.00	36.80	1,840.00
145	Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead.	Sqm	50.00	56.35	2,817.50
146	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead : 75 to 80 mm dia pipe.	Metre	50.00	75.70	3,785.00
147	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead : 100 mm dia pipe	Metre	50.00	78.00	3,900.00

148	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead : 150 mm dia pipe	Metre	50.00	80.25	4,012.50
149	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	250.00	54.65	13662.5
150	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum	30.00	263.95	7,918.50
151	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	Sqm	50.00	131.75	6,587.50
152	Laying old cement concrete interlocking paver blocks of any design/ shape laid in required line, level, curvature, colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineering-charge. (Old CC paver blocks shall be supplied by the department free of cost).	Sqm	50.00	402.95	20,147.50
153	Taking out existing kerb stones of all types from footpath/ central verge, including removal of mortar etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	m	15.00	39.35	590.25
154	Laying at or near ground level old kerb stones of all types in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement : 3 coarse sand), including making joints with or without grooves (thickness of joints, except at sharp curve, shall not be more than 5 mm), including making drainage opening wherever required etc. complete as per direction of Engineer-in-charge. (Length of finished kerb edging shall be measured for payment). (Old kerb stones shall be supplied by the department free of cost).	m	15.00	109.45	1,641.75
155	Providing and fixing 600x450 mm bevelled 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.	No.	25.00	1,607.95	40,198.75
156	Supplying, fitting and fixing mirror of superior glass (of approved quality) 5mm thick silver red as per I.S. 3438 / 1965 together with brass C.P. hinges and 6mm thick hard board backing : Rectangular shape 1200x360 mm	No.	50.00	986.43	49,321.50

157	Supplying, fitting and fixing mirror of superior glass (of approved quality) 5mm thick silver red as per I.S. 3438 / 1965 together with brass C.P. hinges and 6mm thick hard board backing : Rectangular shape 1500x450 mm	No.	1.00	1,289.11	1,289.11
158	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.	No.	20.00	168.35	3,367.00
159	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with a minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.	No.	2.00	231.95	463.90
160	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. 450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms.	No.	5.00	673.40	3,367.00
161	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.	No.	50.00	708.95	35,447.50
162	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.	No.	50.00	713.20	35,660.00
163	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of B.W. / RCC as per specifications and direction of Engineer-In-charge complete in all respect. SBR Polymer (@10% of cement weight) modified cementitious bond coat @2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer	Sqm	250.00	141.20	35,300.00
164	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of B.W. / RCC as per specifications and direction of Engineer-In-charge complete in all respect. Epoxy bonding adhesive having coverage 2.20 sqm/kg of approved make on RCC Surface	Sqm	25.00	285.20	7,130.00

165	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/ mm ²). 12 mm average thickness.	Sqm	15.00	388.65	5,829.75
166	Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/ masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in Charge. (The payment shall be made on the basis of actual weight of approved grout injected.) Stirrer mixed SBR Polymer (of approved make) modified Cement slurry made with Shrinkage Compensating Cement in concrete/RCC work.	kg	10.00	124.00	1,240.00
167	Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/ masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in Charge. (The payment shall be made on the basis of actual weight of approved grout injected.) Epoxy injection grout in concrete/RCC work of approved Make	kg	10.00	553.40	5,534.00
168	Cleaning the concrete surface by removing dirt and debris, marking defective locations and removing loose concrete by careful stripping untill hard surface is exposed, cutting the concrete to regular shape, wire brushing the exposed surface and removing debris from site complete as per direction of the Engineer - in - Charge.	Sqm.	25.00	107.30	2,682.50
169	Cleaning the exposed reinforcement preferably upto full diameter by wire brush, applying two coats of polymer based rust removing compound left for 24 hours, removing the coating and then applying two (2) coats of polymer modified anti corrosive protective coating formulated to inhibit the corrosion of reinforcement as per manufacturer's specification] [Mode of measurement: The affected surface area of reinforcement shall be considered for payment]	Sqm.	5.00	935.60	4,678.00
170	Applying epoxy based reactive joining agent for joining the old concrete with fresh concrete to be applied within manufacturer's specified time as per manufacturers specification. (0.4 Kg/m ² of concrete surface).	Sqm.	25.00	368.30	9,207.50

171	Removing corroded worn out portion of reinforcement (when the area of bar is damaged by more than 25%) by cutting and replacing the same by a new plain round bar of requisite diameter by binding with required lap / welding with old bar, including cost of reinforcement, complete in all respect including removing unserviceable materials from site as per direction of the Engineer - in - charge. Note : Payment on weight (Kg.) of new reinforcement.	Kg	10.00	103.70	1,037.00
172	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	100.00	28.60	2,860.00
173	Supplying fitting and fixing Black Stone slab used in Kitchen slab, alcove, wardrobe etc. laid and jointed with necessary adhesive Cement mortar (1:2) including grinding or polishing as per direction of Engineer-in-Charge in Ground Floor. Slab thickness 20 to 25 mm.in any floor complete in all respect.	Sqm	20.00	765.10	15,302.00
174	Washing and cleaning with oxalic acid powder using 33 gms./sq.m, Other than marble. (Floor including dado)in any floor complete in all respect.	Sqm	50.00	6.60	330.00
175	Washing and cleaning with oxalic acid powder using 33 gms./sq.m, marble/terrazo/mosaic (Floor including dado) in any floor complete in all respect.	Sqm	50.00	8.30	415.00
176	Polishing only of old marble or terrazo or mosaic work with oxalic acid powder using 33 gms/ sq.m. by machine. (Floor including dado) in any floor complete in all respect.	Sqm	25.00	45.30	1,132.50
177	Supplying 1.5 mm thick M.S. sheet fitted and fixed one or both faces of M.S./ W.I. gate etc. with point welding at not more than 150 mm apart complete in all respect as per design including cost of all labour and materials in any floor complete in all respect.	Sq.m	5.00	1,164.40	5,822.00
178	Taking out M.S. Grills from wooden frame including cutting lungs from masonry wall and refitting the same and mending good damages after repairs. (Excluding the cost of necessary repair of damages) or doing any other necessary works. 12mm to 15mm thick in any floor complete in all respect.	Each	15.00	118.00	1,770.00
179	Repairing steel shutter / grill with new rivets including taking out and re-fixing, adjusting, welding, cleaning cutting holes, mending good damage to match with the existing one.	Sqm.	25.00	477.90	11,947.50
180	Easing, oiling and adjusting the steel shutters including scraping all members, and fitting so as to make the shutters easily operable (no extra payment will be made for taking out and fixing glass, if necessary). (Each means a pair of shutter in a frame) in any floor complete in all respect.	Pair	15.00	50.10	751.50
181	Supplying, fitting and fixing hinge cleat in position excluding the cost hinge and other fittings. in any floor complete in all respect. With 75mm iron Butt-hinge, Local Sal.	Each	15.00	41.70	625.50

182	Godrej Hydraulic door closer fitted and fixed complete. Heavy type	Each	10.00	2,459.90	24,599.00
183	Renewing 125mm long wooden buffer block of door and windows with Sal : Siliguri or equivalent PVC buffer block (standard size) approved quality as per direction of engineer in charge in any floor complete in all respect.	Each	20.00	67.90	1,358.00
184	Easing door and windows in any floor complete in all respect and keeping operational for 6 months.	Each	20.00	20.30	406.00
185	Supplying, fitting and fixing boiling water proof ply conforming to IS: 710-1977 bonded with phenol formaldehyde synthetic resin conforming to IS: 848-1974 of approved make and brand fitted and fixed as per design as per approval and direction of Engineer-in- Charge. [excluding the cost of supporting frame work and teak wood batten/Lipping] in any floor complete in all respect. 6mm	Sqm	2.00	1,537.40	3,074.80
186	Supplying, fitting and fixing boiling water proof ply conforming to IS: 710-1977 bonded with phenol formaldehyde synthetic resin conforming to IS: 848-1974 of approved make and brand fitted and fixed as per design as per approval and direction of Engineer-in- Charge. [excluding the cost of supporting frame work and teak wood batten/Lipping] in any floor complete in all respect. 12mm	Sqm	5.00	2,036.80	10,184.00
187	Supplying, fitting and fixing boiling water proof ply conforming to IS: 710-1977 bonded with phenol formaldehyde synthetic resin conforming to IS: 848-1974 of approved make and brand fitted and fixed as per design as per approval and direction of Engineer-in- Charge. [excluding the cost of supporting frame work and teak wood batten/Lipping] in any floor complete in all respect. 19mm	Sqm	20.00	2,884.20	57,684.00
188	Labour for repairs to snapped line of Barbed wire by jointing snapped ends with links of new wire as necessary, stretching and refixing the line in taut condition (excluding the cost of new materials) at all necessary places complete in all respect.	Mtr.	50.00	1.70	85.00
189	Stitching crack in brick wall by carefully cutting out face brick 125 mm. deep into the wall, cleaning the gap and filling up the same with precast cement concrete block carefully set in cement mortar (1:3) including mending good damages and finishing the surface to match with adjacent areas complete as per direction with reinforced cement concrete blocks (1:1½:3) with stone chips and nominal reinforcement Block size 250 x 125 x 75 mm.(Cement-1.85 Kg/No.) in any floor complete in all respect.	Each	15.00	101.30	1,519.50
190	Repairing crack in wall by cement grouting (1 : 2) including widening the crack on the surface (into V section) cleaning and packing the same with cement mortar (1 : 2) and finishing off to match with adjacent surface.(Cement-69 Kg/100 m) in any floor complete in all respect.	Mtr.	5.00	1,550.50	7,752.50

191	Uprooting and removing plants from the surface of walls parapet etc and making good damages. Repairing of damages to be paid separately. Small plant of girth of exposed stem unto 75 mm lift unto 6 metre.	Each	50.00	59.60	2,980.00
192	Uprooting and removing plants from the surface of walls parapet etc and making good damages. Repairing of damages to be paid separately. Medium size plant of girth of exposed stem above 75 mm but not exceeding 150 mm lift unto 6 mtr.	Each	100.00	71.50	7,150.00
193	Mazdoor (Male) / Labour (Male) for necessary day to day work at necessary places as per direction of engineer in charge in any floor complete in all respect.	Each	20.00	292.00	5,840.00
194	Supplying, fitting & fixing approved patent vent cowl I.C.I. conforming to I.S.S including holder bats clamps, Saddle Clamp and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid separately).100 mm dia. complete in all respect at necessary places, in any floor.	Each	5.00	222.20	1,111.00
195	Supplying, fitting & fixing Aluminium/Steel domical grating as per direction of engineer-in-charge.100 mm complete in all respect in any floor.	Each	20.00	183.82	3,676.40
196	Repairing steel window by welding including supplying all materials like hinges, legs, handle plates etc. whatever required for repairing with hire welding set different floor including scaffolding necessary for the work (including the cost of serviers connection charge for the welding) in any floor complete in all respect.	Each	25.00	222.20	5,555.00
197	Supplying, stacking, spreading & consolidating rubbish to a requisite depth of 100mm at desired density as per specification Engg-in-Charge. Complete as per specification. (The payment will be made after deduction of 1/9th for the shrinkage) at all necessary places complete in all respect.	cum	5.00	183.82	919.10
198	Providing and fixing 15 mm dia specially threaded nozzles in a grid pattern at a spacing not exceeding 1 mtr. Centre to centre on the entire raft and walls and also along the construction joints and at regular intervals not exceeding 1 mtr. Injecting non shrink grouting compound mixed with neat cement slurry through nozzle under pressure by pumps and injecting each point till refusal and sealing off the nozzles after the completion of the injection operation is complete and as per the direction of EIC.	Sqm	25.00	357.54	8,938.50
199	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	50.00	35.75	1,787.50
200	Providing and application of Polyurethane sealant of approved manufacturer for sealing cracks on wall / floor upto 12mm depth and 12mm width	Meter	25.00	309.87	7,746.75

201	<p>Treatment of efflorescence as per specification given below:</p> <p>a. Exposing brick surface by removing plaster and cleaning-off the dust by brush</p> <p>b. Providing and applying Vinegar diluted with water (10 to 20% concentration) on the exposed surface</p> <p>c. After 2-days of drying removing the efflorescence with a strong brush and washing the surface with adequate water so that no sign of efflorescence remain on the surface.</p> <p>d. Applying cement slurry mixed with latex as waterproof / bond coat as per manufacturer's specification</p> <p>e. Re-plastering the surface (Payment for plaster removal, latex bond coat and re-plastering will be paid extra as per schedule of item).</p>	Sqm	50.00	33.00	1,650.00
202	<p>Providing and applying Fibre reinforced, Flexible, Non-shrink, Acrylic Emulsion Polymer composed of selected fillers & additives (Crack Seal Paste / Crack Fill paste or similar) for filling internal & external surface cracks on plaster upto 5 mm width as per manufacturers specification. The work includes making V-shape groove of size maximum upto 5x5mm, cleaning grooves and filling the cracks with the compound firmly with a spatula or putty knife and level the surface. The work shall be carried out all complete as per specification and the direction of the Engineer-In-Charge.</p>	metre	25.00	26.00	650.00
203	<p>Precise cutting of tile joints for cleaning existing cementitious grout and re-grouting the joints of tiles having joints of 3mm to 4mm width, using epoxy grout mix of organic coated filler of desired shade including filling / grouting and finishing complete as per direction of Engineer-in-charge. Note: The application should be done through the authorised applicator of the contractor and should guaranteed for a period of Minimum 3 Years against water seepage, Size of Tile : 300 x 200.</p>	Sqm	25.00	417.00	10,425.00
204	<p>Providing and fixing exterior quality Aluminium Composite Panel (ACP) wall cladding on existing Al. /MS frame work with GI brackets, ACP fixed on the existing frame work by folding the edges of ACP panel (Engraving the rear surface of ACP sheet) with CP angles, cleats and Stainless Steel screws forming groves at the periphery of ACP panel. Such grooves filled with foam and silicon sealant etc. complete with all materials (but including the cost of silicon sealant), labour, scaffolding and all other incidental charges complete in all respect as per specification and direction of Engineer-in-charge. (Mode of payment is on finished surface area of ACP). 3mm thick (0.25mm Al.+2.5mm LDPE +0.25mm Al. PVDF coating).</p>	Sqm	20.00	2,372.87	47,457.40

205	Labour for taking out Aluminium door, window, ventilators and partitions rehangng and refitting the same in position after necessary repairs (Excluding the cost of supply of new parts.)	Sqm	55.00	563.00	30,965.00
206	Providing and fixing bright finished 100 mm mortice lock with 6 levers without pair of handles of approved quality for aluminium door, with necessary screws etc complete as per direction of Engineer- in-charge.	Each	5.00	850.05	4,250.25
207	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. without pair of handles of approved quality for aluminium door, with necessary screws etc complete as per direction of Engineer- in-charge. Marble work	Metre	50.00	510.95	25,547.50
208	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in- charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding. direction of Engineer- in-charge.	SqM	25.00	338.25	8,456.25
209	R.C.C. Standards post/ struts/rails/ pales of mix 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 12.5 mm nominal size) with wooden plugs or 6mm bar nibs wherever required as per direction of Engineer-in-charge (cost of earth works in excavation, concrete works in foundation to be paid separately).	CuM	0.50	32,891.20	16,445.60
210	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge. Made of G.I. wire of dia 4 mm	SqM	40.00	1,017.80	40,712.00
211	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	Metre	20.00	78.40	1,568.00
212	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° mm bend	Nos	10.00	105.90	1,059.00

213	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. 75 mm diameter	Metre	15.00	248.80	3,732.00
214	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. Single tee without door . 110x110x110 mm	Nos	5.00	144.30	721.50
215	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	Kg	50.00	772.40	38,620.00
216	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours.(b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours.	SqM	50.00	617.05	30,852.50
217	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, panelling and dash fasteners to be paid for separately) .For fixed portion. Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	40.00	495.05	19,802.00

218	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately).Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	45.00	598.60	26,937.00
219	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)"	SQM	10.00	1,505.25	15,052.50
220	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and 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 nominal dia Pipes	Metre	30.00	335.00	10,050.00
221	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and 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 nominal dia Pipes	Metre	15.00	401.55	6,023.25
222	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete.25 mm nominal bore	Each	2.00	464.05	928.10
223	Providing and fixing PTMT stop cock of approved quality and colour 20 mm nominal bore, 89 mm long, weighing not less than 88 gms.	Each	2.00	129.90	259.80
224	Providing and fixing PTMT swivelling shower, 15 mm nominal bore, weighing not less than 40 gms	Each	2.00	121.40	242.80
225	Providing and fixing PTMT bib cock of approved quality and colour.15mm nominal bore, 86 mm long, weighing not less than 88 gms	Each	2.00	125.60	251.20
226	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	2.00	119.55	239.10
227	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead	Each	2.00	112.05	224.10

228	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid	Each	2.00	8,006.60	16,013.20
229	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	2.00	2,301.75	4,603.50
230	Providing and fixing PTMT angle stop cock 15 mm nominal bore, weighing not less than 85 gms	Each	5.00	156.90	784.50
231	Hand Shower(Health Faucet) with 1mtr Flexible Tube with Wall Hook (Equivalent to Cat. No. 187/1871 of Prayag or similar.)	Each	5.00	555.00	2,775.00
232	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in-Charge	Each	5.00	134.10	670.50
233	Dismantling wash basin with brackets with or without waste fittings.	Each	5.00	41.70	208.50
234	Dismantling pillar cock of wash basin / bib cock / stop cock / angular stop cock / shower etc.	Each	10.00	10.70	107.00
235	Dismantling 15 to 40 mm dia G.I. pipe including stacking of dismantled pipes (within 50 metres lead) as per direction of Engineer in-Charge. Internal Work- Exposed on wall	m	40.00	3.25	130.00
236	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992. Single Socketed 3 Meter Length pipe .75 mm	m	10.00	233.60	2,336.00
237	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992. Single Socketed 3 Meter Length pipe . 110 mm	m	20.00	348.00	6,960.00
238	UPVC Fittings - Plain Tee : 110 mm	Each	2.00	54.80	109.60
239	UPVC Fittings Bend 87.5° 75 mm	Each	5.00	72.70	363.50

240	Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of jointing materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in walls or R.C. floor where necessary and mending good all damages excluding the cost of masonry or concrete work, if necessary, but including the cost and fitting and fixing holder bat clamps (any floor) or for underground work including cutting trenches upto 1.5 metre and refilling the same complete as per direction of the Engineer in-charge. (Payment will be made on centre line measurement of the total pipeline including specials. Above ground.110 mm dia.	m	20.00	67.93	1,358.65
241	Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of jointing materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in walls or R.C. floor where necessary and mending good all damages excluding the cost of masonry or concrete work, if necessary, but including the cost and fitting and fixing holder bat clamps (any floor) or for underground work including cutting trenches upto 1.5 metre and refilling the same complete as per direction of the Engineer in-charge. (Payment will be made on centre line measurement of the total pipeline including specials. Above ground.75 mm dia.	m	10.00	53.63	536.31
242	UPVC Fittings Vent cowl 110 mm	Each	5.00	39.30	196.50
243	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	5.00	127.50	637.50
244	Providing and fixing PTMT Two-way bib cock with wall flange of standard design and of approved make and quality including all necessary fixtures.	each	5.00	499.00	2,495.00
245	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound. Add for Supplying & laying of Fibre glass cloth at second layer of when the first layer of water proofing cement compound is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. The entire treatment will be taken upto 30 cm on the wall.	Sqm	23.48	110.00	2,582.80
				Total Rs. =	39,99,999.78
				Say Rs. =	40,00,000.00