

Prabandh Nagar, IIM Road Lucknow 226013

CORRIGENDUM-I

Dated: 11/08/2020

Reference to E-tender NIT No. – IIML/PROJ/TENDER/2020-21/4276 Date: 08-07-2020 TENDER FOR SUPPLY AND INSTALLATION OF 4 NOS. 4 TR FLOOR MOUNTED AIRCONDITIONING, 2 NOS. 2 TR FLOOR MOUNTED AIR-CONDITIONING & 5 NOS. 2 TR SPLIT AIRCONDITIONING IN HALL-3 OF BODHIGRAH-II ALONG WITH ALL ELECTRICAL WORK AT IIM, LUCKNOW.

• Auto Extension for last date of tender submission:

Last date of Submission of tender	17 th August, 2020 on or before 03:00 PM
Date of opening of Tender	The Tender documents shall be opened on the 20th August, 2020 at
	03:00 PM in the presence of authorized representative of the bidders,
	if any

All further corrigendum will be available on eprocure portal.

Rest terms & conditions of the tender document shall be remains unchanged.

Indian Institute of Management Lucknow

NOTICE INVITING E-TENDER FOR SUPPLY AND INSTALLATION OF 4 NOS. 4 TR FLOOR MOUNTED AIR-CONDITIONING, 2 NOS. 2 TR FLOOR MOUNTED AIR-CONDITIONING & 5 NOS. 2 TR SPLIT AIR-CONDITIONING IN HALL-3 OF BODHIGRAH-II ALONG WITH ALL ELECTRICAL WORK AT IIM, LUCKNOW.

To,				
	M/S			

SUB.: NOTICE INVITING E-TENDER FOR SUPPLY AND INSTALLATION OF 4 NOS. 4 TR FLOOR MOUNTED AIR-CONDITIONING, 2 NOS. 2 TR FLOOR MOUNTED AIR-CONDITIONING & 5 NOS. 2 TR SPLIT AIR-CONDITIONING IN HALL-3 OF BODHIGRAH-II ALONG WITH ALL ELECTRICAL WORK AT IIM, LUCKNOW.

Dear Sir,

Tenders are invited, on behalf of the Director, Indian Institute of Management, Lucknow for supply and installation of 4 nos. 4 TR floor mounted air-conditioning, 2 nos. 2 TR floor mounted air-conditioning & 5 nos. 2 TR split air-conditioning in hall-3 of Bodhigrah-II along with all electrical work at IIM, Lucknow, Prabandh Nagar, Lucknow as per details attached. The Institute invites you to participate and to send your offers as per the attached **NOTICE** inviting **E-TENDER**.

E-Tenders are invited under two bid system (Technical and Financial) from reputed Companies. The complete Tender document containing General term and Conditions, pre-qualification requirements etc. are available on <u>http://eprocure.gov.inprocure/app</u> and our website <u>http://www.iiml.ac.in</u> for reference only. Tenderer has to pay an amount of Rs. 500.00 (Rupees Five Hundred) in favour of Indian Institute of Management, Lucknow as a cost of the tender document. This amount is Non-refundable. Tender Fees is exempted for Bidder having MSME Certificate.

Reputed Companies may submit their Technical & Financial bids in the respective prescribed format with all the necessary documents online at <u>http://eprocure.gov.inprocure/app</u> on or before bid submission closing Date & Time

Sd/-Chief Administrative Officer For Indian Institute of Management

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Prabandh Nagar, Off Sitapur Road Lucknow 226013

E-TENDER NOTICE INVITING TENDER IIML/PROJ/TENDER/2020-21/4276 Date: 08-07-2020

NOTICE INVITING E-TENDER FOR SUPPLY AND INSTALLATION OF 4 NOS. 4 TR FLOOR MOUNTED AIR-CONDITIONING, 2 NOS. 2 TR FLOOR MOUNTED AIR-CONDITIONING & 5 NOS. 2 TR SPLIT AIR-CONDITIONING IN HALL-3 OF BODHIGRAH-II ALONG WITH ALL ELECTRICAL WORK AT IIM, LUCKNOW.

Dear Sir,

E-Tenders are invited from reputed manufacturer/Authorized Dealer for supply and installation of 4 nos. 4 TR floor mounted air-conditioning, 2 nos. 2 TR floor mounted air-conditioning & 5 nos. 2 TR split airconditioning in hall-3 of Bodhigrah-II along with all electrical work to submit their tender to quote your minimum rates on enclosed bill of quantity on behalf of Director, IIM Lucknow. The general terms & conditions of service contract are also enclosed which has to be duly signed indicating acceptance by the tenderer.

Name of work	:	supply and installation of 4 nos. 4 TR floor mounted air-
		conditioning, 2 nos. 2 TR floor mounted air-conditioning & 5 nos.
		2 TR split air-conditioning in hall-3 of Bodhigrah-II along with all
		electrical work at IIM, Lucknow
Earnest Money	:	Rs. 36,000/- (Rupees Thirty Six Thousand Only)
Tender Fee	:	Rs. 500/- (Rupees five Hundred Only) (Non-Refundable)
Total Estimated Cost	:	Rs. 18,50,000/- (Inclusive of GST)
Period of Contract	:	15 Days
Date of issue of tender document	:	09/07/2020
Date Pre-Bid Meeting	:	17/07/2020 at 11 AM
Late Date for submission tender document	:	31/07/2020 upto 3:00PM
Date of opening of Technical Bid Opening	:	03/08/2020 at 03:00 PM
Date of opening of Financial Bid Opening		Will be intimated later.
starting of work	:	Within 10 days of the Date of LOI

Tenderer are advice to visit the site and see the work before submitting the tender. **The Technical and Financial bids should be uploaded separately through E-tendering process only before the due date & time.**

Sd/ -

Chief Administrative Officer

For Indian Institute of Management Lucknow

PARTA (TECHNICAL BID)



ANNEXURE-1 SCOPE OF WORK

The scope of work included in this tender shall include (but not be limited to) design, supply, inspection before dispatch, delivery at site, installation/ erection, testing & successful commissioning, trial run and handing over to IIML the complete Precision for 4 nos. 4 TR floor mounted air-conditioning, 2 nos. 2 TR floor mounted air-conditioning & 5 nos. 2 TR split air-conditioning in hall-3 of Bodhigrah-II along with all electrical work, technical specifications & other conditions specified in Technical specification, BOQ and elsewhere. The SITC of floor mount ACs, split ACs includes installation of outdoor unit, indoor unit, stabilizer, copper tubing with insulation, copper cabling and drain pipe etc. The work also include electrical & civil work required as per BOQ. However, the equipment shall conform, in all respects, to high standards, of engineering and workmanship and be capable of performing in continuous commercial operation in a manner acceptable to IIML. The Bidder has to make arrangements for showing all parameters/test results on the performance of the machines. If it fails to show the desired results the machine will not be acceptable to the Institute.



ANNEXURE-2 INSTRUCTION TO TENDERER

- (i) The Tenderer shall read the document carefully before filling it.
- (ii) Only manufacturer/Authorized Dealer of reputed brand should participate in the tender.
- (iii) Bidders are required to deposit an amount of Rs. 36,000/- (Rupees Thirty Six Thousand only) towards Earnest Money Deposit (EMD) to below mentioned bank account of Institute on or before the last date & time mentioned above. EMD through any other form will not be accepted. UTR number / Transaction ID and date of Deposit/Transfer of EMD shall be mentioned in Technical Bid at appropriate place. Those who are exempted from deposit of EMD shall upload the valid certificate in this regard. Bank

Account No.	07231450000294
Bank IFSC Code	HDFC0000723
Name of Bank & Type of Account	HDFC BANK/Saving

- (iv) Financial bid must be submitted as per the formats provided at the CPP portal for this tender.
- (v) Tender must be valid for a minimum period of 120 days from the date of opening.
- (vi) The tender should be submitted only latest by 31/07/2020 before 03:00 PM.
- (vii) Technical offers shall be opened first, if the tenderer fail to upload the EMD/Tender Fee/MSME Certificate/document before last date of submission of tender than their technical offer will not be Opened/Evaluated. The technical offers will be evaluated by the selection committee based on technical evaluation criteria as per Annexure-3 of this document. The Financial offers from technically unqualified tenderers as per evaluation criteria will not be opened.
- (viii) Financial offer shall be Filled/Upload in the standard format provided at CPP portal for this tender. Price/Rate shall not be quoted anywhere in technical Bid. If filled in rates etc. found with technical bid then the bid will be straight away rejected. Financial offer opened only for those tenders who are technically qualified as per evaluation criteria of Annexure 3 of this tender document.
- (ix) The dates for opening financial offer will be communicated to the tenderers and tenderers are requested to be present at the time of opening the tenders. Authority letter is must if any person other than who has signed the tender document attends such event.
- (x) Each page of the tender document must signed by the authorized signatory of the tenderer.



- (xi) Original tender document duly signed and filled up should be uploaded. No document will be accepted through post/register post/courier etc. If any document receive from tenderer will be automatically disqualified in technical.
- (xii) Tenderer have any query may clarify before last date of tender submission. No query will be entertain after that.
- (xiii) The tender not accompanied by complete document or duly filled in all respect shall be rejected.
- (xiv) All erasures, cuttings and alterations made must be attested by the authorized person while filling the tender document. Over-writing of figures is not permitted.
- (xv) Successful tenderers must visit the site and see the means of access to the site and specifications and acquaint themselves fully about the works to be carried out and all other factors governing the works before quoting his rate.
- (xvi) Tenderer has to submit Performance Security deposit 5% of total contract value within 5 days after issue of LOI with minimum validity of One year in form of DD/FDR from Nationalized Bank. EMD of unsuccessful tenderer shall be returned after finalization of contract. EMD of successful tenderer shall be returned only after deposit of Performance Security deposit. Performance Security deposit will be release after 12 months of successful completion of work. No interest shall be paid on amount.
- (xvii) The rate quoted by the tenderer shall be the total sum of material, labour, inclusive of any applicable Octroi tax like entry tax etc. at the IIM Lucknow campus, Lucknow Excluding of GST, GST will be paid extra as applicable.
- (xviii) If any discrepancy / misprint is noticed / specification or BOQ, it should be clarified from the Institute before quoting the rate.
- (xix) Following procedures shall be adopted in case of difference in quoted rates in figures and words and extensions:
 - a. Where there is difference between rates in figures and the rates, quoted in words shall be considered as correct.
 - b. Where the amount of an item is not worked out or it does not correspond to the rate either in figure or in words, the rates quoted in words shall be considered as correct and necessary extension made.
 - c. Where the rate quoted by the tenderer in figures and in words tally, but the amount is not worked out correctly, the rates quoted by the tenderer shall be considered as correct and amount shall be corrected accordingly.



- (xx) The Indian Institute of Management, Lucknow do not bind themselves to accept the lowest or any other tender and reserve the right to accept or reject any or all the tenders either in full or in part without assigning any reason.
- (xxi) The tender shall be opened & evaluated by the tender committee and the successful tenderer shall be informed.
- (xxii) If any of the document submitted by the tenderer is found fake, even after the acceptance of tender, the contract will be terminated for which the concerned tenderer will itself be responsible and no compensation, etc., will be paid by the IIM, Lucknow.
- (xxiii) The Director, Indian Institute of Management, Lucknow has reserves the right to reject one or all the tenders without assigning any reason. No claim, whatsoever, shall be entertained on this account.
- (xxiv) 5% of the payable bill value will be retained from each bill as defect liability period & shall be released on the satisfactory completion of the job after the defect liability period of 60 (Sixty) months. No interest shall be paid on amount.
- (xxv) Tenderer are required to execute the agreement in accordance with the approved Proforma on non-judicial Rs. 100 stamp paper of appropriate value within 7 days from the date of receipt of this Letter of Intent. The cost of non-judicial stamp paper is to be borne by tenderer.
- (xxvi) Relaxation will be given as per Govt. norms for NSIC/MSME registered firm for tender fee and EMD only
- (xxvii) Successful tenderer uploaded document will be verified with the original at the time of LOI / Agreement.
- (xxviii) Minimum warranty of complete machine should be 5 years.
- (xxix) Tenderer has to take extreme caution not to damage the false ceiling. Any damage to the false ceiling during the work execution. Tenderer has to repair it at his own cost.



ANNEXURE-3 TECHNICAL DETAILS OF BIDDER

The technical offer submitted by the bidders will be evaluated based on the below credential criteria.

S.No.	Particulars	Credential Criteria of Firm
1	Name of the firm & Address	
2	GST Registration No. of the firm/Agency (Enclose copy) :	
3	Contact No. and Email-ID	
4	Constitution of the Contract or/ Proprietorship/ Partnership/Private Limited Company/ Public Limited Company (enclose copy).	
5	Copy of IT returns of 17-18, 18-19, 19- 20 Financial years (Enclose copy)	
6	Experience of the firm of 17-18, 18-19, 19-20 in the similar field of providing such services. (Attach a list of work order for only those clients having amt. above Rs. 8,00,000.00)	
7	Income Tax Permanent Account No	
8	Annual Gross Turnover of the firm in 17-18, 18-19, 19-20 years (Minimum Rs.15,00,000/- Each Financial years)	
9	Details of EMD uploaded or MSME registration no. and year	
10	Retails of Bidder authorization certificate from OEM be in enclosed with valid date (not applicable for manufacturer)	
11	Air-Condition Brand and model (for information only)	
12	Authorized Service center in Lucknow Address & Phone No.	
13	Warranty of complete Machine (warranty of both type machine consider same) & Additional Guarantee of compressor (if any)	
14	Brand/ Make functional from last 20 year certificate	

Signature of the Contractor (or) His authorized signatory With seal of the agency/ firm



The Technical Bid should contain the followings documents:-

- a) Photocopy of GST Number
- b) Photocopy of PAN Card
- c) Photocopy of List of Clients
- d) Photocopy of Experience Certificate of similar field of the firm of last 3 years. Attach a list of work order for only those clients having amt. above Rs. 8,00,000.00
- e) Experience of having successfully completed works during the last 3 years ending previous day of last date of submission of tenders.

Three similar completed works, each costing not less than the amount equal to 40% of estimated cost put to tender,

Or

Two similar completed works, each costing not less than the amount equal to 60% of the estimated cost put to tender

Or

One similar completed work of aggregate cost not less than the amount equal to 80% of the estimated cost.

- f) Photocopy of Annual Turnover of the firm in last three financial years (Three Minimum Rs.15,00,000/- Rupees Thirty Lac only). Copy of IT Returns of last three years
- g) An EMD amounting to Rs. 36,000/- (Rupees Thirty Six Thousand only) drawn in favor of Indian Institute of Management, Lucknow or MSME Certificate.
- h) Authorization certificate of the bidder from OEM with validity date.
- i) Bidder is require to submit the certificate issued by authorized signatory of OEM clearly mentioning its year of establishment and it is functional from last 20 years



ANNEXURE-4 TENDER EVALUATION CRITERIA

Financial bids of only technically qualified bidder will be opened at CPP portal. Any term/condition mentioned by the bidder in price bid shall not be accepted. EMD or any document received in hard copy shall be disqualified straight away.

Contract shall be awarded to the firm (s) offering the lowest in overall total given in financial bid at CPP portal. The firm (L-1) will be awarded the work.



ANNEXURE-5 DEFINITIONS

In this Contract, the following words and expressions shall have the meanings as stated below:

- (i) **'IIM'** shall mean Indian Institute of Management, IIM Road, Lucknow and shall include their successors and assigns, as well as their authorized representatives.
- (ii) **ENGINEER-IN-CHARGE** shall mean the engineer appointed by the IIM to supervise all activities of the project.
- (iii) **'TENDERER'** shall mean the company / agency who quote against the tender enquiry for undertaking the work.
- (iv) **'CONTRACTOR'** shall mean the successful tenderer whose tender has been accepted by the IIM and to whom the order is placed by the IIM and shall include his heirs, legal representatives, successors etc.
- (v) **'PERMANENT WORKS'** shall mean all the works included in the schedule of quantities and shall also include additions, alterations etc. communicated in writing.
- (vi) **'SITE'**, shall mean the all place i.e. IIM, Lucknow where the project is to be executed.
- (vii) **'PROJECT'** shall mean entire work specified in the contract documents inclusive of extra items/extra quantities (if any) executed during the contract period.
- (viii) **'ACCEPTANCE LETTER',** shall mean written consent by a letter of IIM to the tenderer intimating him that his tender has been accepted.
- (ix) **'CONTRACT'** shall mean the articles of Contract Agreement. The conditions of contract, schedule of quantities, specifications, attached and duly signed by the IIM and the Contractor.
- (x) **'DATE OF CONTRACT'** shall mean the date on which the IIM has issued acceptance letter.
- (xi) **'CONTRACT PERIOD'** shall mean the period (including rainy season) specified in the tender documents during which the contract shall be executed.
- (xii) **'COMPLETION CERTIFICATE'** shall mean the certificate issued by the IIM to the contractor after successful completion of the project. This certificate will be issued on the basis of consultant's certificate to IIM about the completion of the job.
- (xiii) **'EXTRA ITEMS'** are those items, which are not appearing in the BOQ but are required to be executed during the project period and for which rates are to be derived as per the formula given in the conditions of the contract.
- (xiv) **'EMD'** shall mean Earnest Money Deposit. The Owner takes this amount to check the earnestness/seriousness of the tenderers in case they are selected as winners.



ANNEXURE-6 GENERAL TERMS AND CONDITIONS

1.1 Directive to Contractor

1.1.1 Interpretation of Contract Documents:

- (i) All the documents forming part of the contract are to be taken as mutually explanatory, supplementary and complementary to each other. If there is any error, omission or discrepancy in any of them, it shall be brought to the notice of the IIM. The decision of the IIM shall be final and binding. The contractor shall execute the work accordingly.
- (ii) The contractor shall examine all the contract documents thoroughly including the scope, nature and magnitude of works he has to execute in accordance with the contract documents.
- (iii) The contractor shall visit the project site so as to study the site conditions, means of access to the site and other factors governing the works.

1.1.2 Period of Contract:

The time period for completion of job within 15 days from the date of issue of LOI (Letter of Intent)

1.1.3 Delay in work execution due to reasons beyond contractor control:

Force Majeure:

If the execution of work is delayed due to force majeure, unavoidable circumstances which will be not in the control of contract then IIM as per the affected period may extend the time period (if approved & allowed by the director) on proper & timely intimation by the contractor.

1.1.4 No Sub-Contractor Clause:

Contractor will perform the work in accordance with the terms of this Agreement. Contractor will generally not subcontract any other individual or entity or agent, for the work under this Agreement. However if there is requirement the contractor may sub-contract by written consent of The Director IIM, Lucknow.

1.1.5 Default of Contractor:

If the contractor fails to maintain progress and quality of work proportionate to time period allotted for the work in spite of notices or complete the work within the stipulated time period or extended time period, then the IIM shall have the right:

(i) **To determine the contract:** In this event, the contract shall be terminated by giving written notice to the contractor and the unfinished works shall be got completed by labour's engaged by IIM or through other agency at the cost of the contractor.



- (ii) **Without determining the contract:** In this event, the remaining works shall be got executed through a fresh contractor in which case the contractor shall not have any objection or claim on this account.
- (iii) Before determining the contract: In this event, if the IIM finds that the defaults of the contractor can be rectified, then an opportunity shall be given to the same contractor to rectify the defects / defaults in the specified time.
- (iv) Termination of contract for death: If the contractor is an individual of a proprietary firm and proprietor of the firm dies and if the contractor is Attorney of partnership firm and dies, then the IIM has the right to terminate the contract unless and until the IIM is satisfied that the surviving partners are capable of executing and completing the remaining contract. In case of termination of contract, the legal representatives of the deceased contractor are not entitled for any compensation or claim. Also, the IIM shall not levy any penalty against the damage caused by incomplete work.
- (v) **Termination of Contract in part or in full for contractors default:** If the contractor fails to execute the work in the manner described in the contract documents or if at any time, in the opinion of the IIM:
 - a. Fails to carry out the works in accordance with the contract conditions or as per the specifications mentioned in the documents.
 - b. Stops the execution of works without giving prior information to the IIM.
 - c. Fails to carry out the works to the satisfaction of the Engineer-Incharge both with respect to qualities and time schedule.
 - d. Fails to supply sufficient or suitable work, materials, and labour's etc.
 - e. Commits breach of any of the provisions of the contract.
 - f. Abandons the work.
 - g. Becomes bankrupt during the continuance of the work. Whenever the IIM shall exercise his authority to cancel the contract under the above condition, the IIM shall be at liberty to hold and retain in their hands materials, tackles, machinery and stores of all kinds on site as they may think proper and may at any time sell any of the materials, tackle, machinery and stores and apply the proceeds of sale in or towards the satisfaction of any loss which may arise from the cancellation of contract as aforesaid. The IIM shall also be at liberty to use materials, tackle, machinery and other stores on the site of contractor as they think proper in completing the work and the contractor will be allowed the necessary credit. The value of materials and stores and amount of credit to be allowed for tackle and machinery belonging to contractor and used by IIM in completing work shall be assessed by the IIM and amount assessed shall be final and binding on the contractor. In case IIM completes or decides to complete the work under the provisions of this condition, the cost of completion to be taken into account in determining the excess cost to be charged to the contractor under the condition shall consist of the cost of materials purchased or required to be purchased, labour provided or required to be provided.



1.1.6 Variation in scope of works:

(i) Variation in quantity: The IIM has the right to increase or decrease the quantity of work or delete / add certain items of work in consultation Engineer-Incharge. However, such changes shall not entitle the contractor for any compensation, claim regarding the change in scope of work.

1.1.7 Staff and Workers:

The technical staff employed by the contractor shall be responsible for the quality and workmanship of the work as per the satisfaction of the IIM. The contractor's supervisory staff should follow the instructions given by the IIM or his authorized representative. If any of the contractor's staff members is incapable or in-experienced, in the opinion of the IIM, then he should be removed immediately and the contractor should do suitable substitution. If the workers or the supervision staff of the contractor are involved in riotous or illegal activities to such an extent that it becomes necessary to hand over the matter to the police then the contractor would be solely responsible for the case and all the expenses incurred in the legal proceedings shall be borne by the contractor.

1.1.8 Maintenance of the site

Contractor should keep his working site neat & clean and the materials brought for work shall be kept in a properly stacked / stored way. The work site should be swiped at the end of each working day after removal of debris / left over materials at the identified site by IIM. The contractor has to take full care so as not to spoil or damage other contractor's / IIMs job / material.

1.1.9 Dispute & Arbitration:

- (i) All disputes or differences whatsoever arising between the parties out of or relating to this contract or the specifications, designs and quality of work, quality of materials used for the work, construction, meaning and operation or effect of the work or the breach thereof that cannot be settled by good faith and negotiations between the parties within 60 days of the commencement of the negotiation shall be settle by mutually referring the dispute to a sole Arbitrator and the award passed by him shall be final and binding on the parties. Selection of arbitrator shall be made by mutual consent. The cost of arbitration shall be divided equally. The proceedings will be governed by the provisions of the arbitration & Conciliation Act, 1996. The place of arbitral proceedings will be Lucknow. The language of the arbitral proceedings shall be English
- (ii) By consent of Parties the jurisdiction of all other courts are excluded and the courts at Lucknow alone shall have jurisdiction.
- (iii) "Abandonment/incomplete work", wherein it should be mentioned that apart from the forfeiture of security the incomplete work shall be got completed from some other agency and the costs thereof be recovered from the contractor.



(iv) The service of notice will be given by e-mail, fax, courier, speed post or registered post be added and the address for service of notice be specified both for IIM and contractor.

1.1.10 Escalation:

The rates quoted by the contractor in the contract documents shall be final and shall not be subjected to any change due to the increase in labour wages or inflation wages or inflation in the cost of materials or any other price variations due to any reason during the stipulated time period of the contract or during the extended time period of completion.

1.2 Execution of Work

1.2.1 General:

All the works shall be executed in accordance with the specifications and instructions approved by the IIM as mentioned in the contract document.

1.2.2 Inspection of works:

- (i) The IIM shall have the full authority to inspect the works at any time, at any stage. The contractor shall provide adequate facilities to carry the inspection work. The contractor should present himself or his authorized representative during the inspection so that the IIM can convey the instruction regarding the works.
- (ii) The contractor shall give information to the IIM before covering up the works so that the same can be inspected and measured jointly & correctly to true dimensions.
- (iii) If the contractor fails to get the work inspected before covering it up, then the IIM has full authority to get the work uncovered at the expense of the contractor and if any fault is found then the contractor should rectify the same without claiming any extra payment.

1.2.3 Inadequate / substandard works and materials:

- (i) Material used should be make mention in **ANNEXURE-A**
- (ii) If any material brought by the contractor is found unsuitable or of sub-standard quality after testing, then the contractor shall remove those faulty materials immediately from the site as per the instructions of the IIM.
- (iii) If any work executed by the contractor is found to be of bad workmanship, then the same is to be dismantled and re-executed by the contractor without claiming any extra payment or extension in time period.
- (iv) If any of all above 3 point repetition found by the contractor, then 0.01% of contract value will be deducted from the bill for each any such repetition.

1.2.4 Default of Contractor in compliance:

If the contractor or his authorized representative fails to follow the instructions given by the IIM regarding any of the works, then the same shall be got executed by other persons employed by the IIM and the expenses incurred shall be done by the contractor.

1.2.5 Discrepancies between instructions:

If any discrepancy occurs between the various instructions conveyed to contractor or his authorized representative or if any misunderstanding arises between the contractor's staff



and IIM's staff, the contractor shall report the matter immediately to the IIM. The decisions of IIM shall be final and binding. Moreover, no claims for losses due to discrepancies between instructions, doubts or misunderstandings shall be admissible.

1.2.6 Change in specifications and valuation of extra & deviated items:

If there is any variation in specification for any change in make of item, then it has got to be approved from the IIM prior to installation or execution and the financial effect, plus or minus, or impact shall be incorporated accordingly by the IIM. If any of the items to be executed is not included in the schedule of quantities, then the contractor shall submit the rate analysis of the item specifying the actual landed cost on basis of prevailing rates of material, labour incidental charges and allowing 15% to cover overhead & profit. The contractor shall submit all necessary supporting documents in original to the IIM.

The rates of such items recommended and approved by the IIM shall be binding on the contractor. No escalation shall be considered till completion of the project.

1.2.7 Work not specified in the specification:

If for any work, no specification has been given in the tender document, then the work will be executed as per the IEC/IS specifications, and if the work is not covered by IEC/IS specifications also, then it should be executed as per standard engineering practice, subject to the approval of the IIM.

1.2.8 Liabilities for defects and rectifications:

If it shall appear to the IIM that any work has been executed with imperfect or unskilled workman or with materials of any inferior description, or of quality inferior to that contracted for, or otherwise not in accordance with the contract, the contractor shall on demand in writing from the IIM or his representative specifying the work, materials or articles complained of, notwithstanding that the same may have been inadvertently passed, certified and paid for forthwith rectify or remove and reconstruct that work so specified and provide other proper and suitable materials or articles at his own charges and cost, and in the event of failure to do so within a period to be specified by the IIM or his demand aforesaid, the Incharge may on expiry of notice period rectify or remove, re-execute the work at the risk of Contractor and the cost shall be recovered from the Contractor. The decision of the IIM as to any question arising under this clause shall be final and conclusive.

1.2.9 Period of liability:

The liability period of the work shall be 60 months from the date of completion of the work as certified by the IIM and this date will be as indicated in the provisional completion certificate. If any damage or defect occurs during the period of liability the same will be rectified by the contractor at his own expense to the satisfaction of the IIM. If the contractor fails to do so, then the IIM shall have the authority to get the work done by other means and the Expenditure incurred shall be recovered from the contractor.

1.2.10 Suspension of work:

The contractor shall suspend the progress of work on receipt of the written order from the IIM for any of the following reasons:



- (i) On account of any default on the part of the contractor. In this case the contractor shall be entitled for the extension of time, but the contractor shall have no claim for payment of compensation for re-execution of faulty works.
- (ii) For execution of the works for reasons other than the default of the contractor.
- (iii) For safety of the works.

In case of suspension of work:

- a. The contractor shall during such suspension, properly protect and secure the works and carry out the instructions of the IIM.
- b. If the suspension is ordered for the reasons 1.2.11 (ii) as stated above, the contractor shall be entitled for extension of time equal to the period of every such suspension but no compensation for damages etc. shall be admissible on account of suspension of work.

1.2.11 Possession Prior to completion:

The IIM shall have authority to take possession of any completed or partially completed works. Such possession shall not be deemed to be acceptance of any work completed in accordance with the contract. If such prior possession delays the progress of works then the adjustment in the time of completion shall be done accordingly. The decision of the Engineer-Incharge regarding the extent of delay shall be final and binding.

1.2.12 Care of Works:

From the commencement to the completion of works, the contractor shall take full responsibility for the care of all works including all civil work and in case any damage or loss occurs then the contractor shall repair and make good the same at his own cost so that on completion of the work, the same shall be in good order in every respect in accordance with the contract and to the satisfaction of the IIM.

1.3 Certificate and Payment

1.3.1 Schedule of Rates:

- (i) The payments to be made to the contractor shall be as per the finalized rates in tender documents and the rates of extra items finalized from time to time.
- (ii) The rates finalized in the tender document shall remain firm till the completion of work including extension of time, if any.
- (iii) After the completion of the work, the contractor will have to submit the user verification certificate.

1.3.2 Measurement:

The contractor's authorized representative shall take joint measurement of the various items of the work in presence of the IIM's authorized representative and preparing the bills. If the contractor fails to send his representative within the period notified by IIM then the measurements taken by the IIM's shall be final and no claim shall be entertained in this regard.



1.3.3 Mode of Payment:

All measurements shall be in the metric system and in accordance with Indian Standard Specifications and in accordance with standard engineering practice. If the contractor has any objection regarding the measurements then the contractor shall inform the IIM immediately. The decision given by the IIM shall be final and binding on the contractor. In case of mode of measurement of any item is not specified, and then I.S.I mode of measurement (as applicable during contract period) shall be followed.

1.3.4 Mobilization Advance:

No mobilization advance shall be paid.

1.3.5 Billing:

The contractor shall submit final Bill which will be paid only after complete satisfaction of Engineer in charge or User (complete in all respect).

1.3.6 Terms of Payment:

- (i) The payment due to the contractor shall be made only in Indian Currency by Crossed Account Payee Cheque or RTGS. In no case, will the IIM be responsible if the cheque is misled or miss-appropriated by the contractor or his representatives. The cheque shall be released only against submission of duly signed and revenue stamped receipt.
- (ii) The IIM reserves the right to carry out post payment audit and technical examination of the bills and work executed including all supporting vouchers etc. the IIM further reserves the right to enforce recovery of over-payment when detected. Similarly, if any under payment is discovered, the amount shall be paid to the contractor.
- (iii) Wherever any claim for the payment against the contractor arises as per the contract, the same may be deducted from the bill of the contractor or from his security deposit.
- (iv) 5% of the payable bill value will be retained from each bill as security deposit & shall be released on the satisfactory completion of the job after the defect liability period of 60 months. No interest shall be paid on security deposit amount.
- (v) **Tax Deduction:** All statuary deduction like Income Tax, Works Contract Tax, E.S.I., P.F or any other government-imposed liability shall be borne by the contractor (as applicable at the time of execution of job) and shall be deducted from each bill submitted by the contractor

1.3.7 Provisional Completion Certificate:

When the contractor successfully completes the works as per the contract, he shall be eligible to apply for provisional completion certificate in respect of the works. The IIM shall issue to the contractor the provisional completion certificate after verifying from the completion documents submitted by the Engineer-Incharge and satisfying him that the work has been completed in accordance with the contract document. The contractor, after obtaining the provisional completion certificate, is eligible to present the final bill for the work executed by him under the terms of the contract.

The work will not be considered as complete and taken over by the IIM until all the temporary works, labour hutments etc. are removed and the work site cleared to the satisfaction of the IIM.



If the contractor fails to comply with the requirements of the above on or before the date for the completion of the works, the IIM may, at the expense of the contractor, remove the tools and plants and surplus materials and dispose-off the same and the contractor shall pay the amount of all expenses incurred.

1.4 Labour Laws and Safety Regulations

1.4.1 Labour Laws:

- (i) Labour below the age of 18 years shall not be employed on the work.
- (ii) The contractor shall not pay less than what is specified by the law to labours engaged by him on the work.
- (iii) The contractor shall, at his own expenses, comply with all labour laws and the IIM shall not be responsible for any recovery/penalty imposed by the respective authorities for violating the labour laws.
- (iv) If the contractor is covered under the Contract Labour (Regulation & Abolition) Act, he shall obtain a license from the licensing authority (i.e. the office of labour Commissioner), by payment of the necessary prescribed fee and deposit, if any, before starting the work.
- (v) The contractor shall furnish to the IIM, the details of the workers employed on the works.
- (vi) The contractor shall comply with the provisions of the existing rules and regulations relating to labour laws.
- (vii) The IIM shall on a report having been made by an inspecting officer as defined in Contract Labour (Regulation and Abolition) Act, 1980, have the power to deduct from the amount due to the contractor any sum required or estimated to be required for making good the losses suffered by a worker or workers by reason of non-fulfilment of the conditions of the contract for the benefit of the workers, or if deductions made from his or their wages which are not justified by the terms of contract or nonobservance of the said regulations.

1.4.2 Minor/Fatal Accident on Duty:

For cases of minor/Fatal accident on duty not covered under compensation by IIM, the contractor shall have to compensate the affected person/family. The absence from duty, if takes place, due to such accident shall be considered as special leave and full payment shall have to be made for duration of such absence.

1.5 Safety Code

1.5.1 Safety and Protection:

The contractor shall adhere to safe construction practice and guard against hazardous and unsafe working conditions. While carrying out the work, the contractor should provide for;

- (i) Safety of personnel engaged in the construction.
- (ii) Protection and safety of works and materials during their progress.
- (iii) Sanitary and hygienic conditions of working and living for his workers, as required by the IIM.



1.5.2 Use of Safety Gadgets:

The contractor shall have to ensure availability and use of all desired safety gadgets like safety belts, helmets, goggles, hand gloves, gumboots etc.

1.5.3 First Aid:

The contractor shall provide first aid facilities for his employees and those of his subcontractors. The requisite first aid box and medicines should always be available at work site.

1.5.4 Contractor's Barricades:

The contractor shall erect and maintain barricades required in connection with his operations to guard or protect:

- (i) Excavations
- (ii) Hoisting Areas
- (iii) Areas adjudged hazardous by the contractor's or IIM's representatives.
- (iv) Charged electrical panels.
- (v) IIM's existing property liable to get damaged by contractor's operation.

1.5.5 Preservation of Peace:

The contractor shall take precautions to prevent any riotous or unlawful behavior by his workers, for the preservation of peace and protection of inhabitants and the security of property in the neighborhood of the work.

1.6 Details of Work Execution

- (i) The work shall be done in such a manner so as to clear work force availability for other agencies working at site.
- (ii) Finish of work shall be as per details given by IIM.
- (iii) In general the complete work is to be done as per Indian Standard and esthetical norms as specified and detailed in Tender.

1.7 Site

The site is located at IIM Lucknow, IIM Road, Lucknow. The contractor shall be responsible for accommodation of the manpower, the movement of his men, material and equipment at his own cost.

1.8 Electricity

Electrical power at one point to be provided by the IIM. The Contractor will be responsible for getting electrical connectivity including supplying of cables, connections, and other required items.

1.9 Contractor's Scope of Supply

All materials required for executing the jobs specified in the Bill of Quantities, inclusive of all tools, tackles, scaffolding, consumables and testing equipment's shall be procured and supplied by the contractor at his own cost except for any items specified as IIM supplied.



1.10 Recovery from the Contractor

- (i) If the contractor or his employees damage or destroy the property of the IIM, then the same shall be replaced / refunded by the contractor, otherwise the expenses may be recovered from his bill or security deposit.
- (ii) All compensation and recoveries to be made as per terms of the contract shall be deducted from the contractor's bill or security deposit.
- (iii) Forfeiture of Security Deposit: Whenever any claim against the contractor is to be recovered then the same may be made from the security deposit. If the contractor abandons the work or leaves the work incomplete, then the IIM has the right to forfeit the security deposit.
- (iv) The contractor will make fence around the area given for labour hutment to avoid unauthorized entry.

1.11 Liquidated damage charges

0.05% per day of contract value for delay up to 3 months. After that tender will be automatically cancelled. Performance Security will be forfeited.

1.12 Service of Notice

All notices, consents, approval or other communication required to be given or served hereunder by either party hereto to the other party shall be in writing, and in English and shall be personally delivered to, left at, sent by registered post, email, courier, speed post or facsimile by either party to the other at the addresses mentioned here in below. Both parties agree that the facsimile transmission will not be used as a sole method for the communication of important notices such as any modification or termination.

(i) THE DIRECTOR

INDIAN INSTITUTE OF MANAMEMENT PRABANDH NAGAR, IIM ROAD LUCKNOW-226013

(ii) Notice to the Tenderer at the Address mentioned in the Tender Document

1.13 Special Conditions & Instructions

- (i) All materials used should be as per specification provided by IIM.
- (ii) The work should be carried out in truly professional manner, neatly finished with proper line, level and plumb. Cleanliness and finishing of the job is of utmost importance. Hence the job should be done most carefully with best workmanship. For all finishing jobs samples should be approved from the Engineer-Incharge before completely executing the work.
- (iii) The IIM should be immediately informed for any discrepancy in specifications and instructions in the execution of job at site before actual execution of particular item having discrepancy.
- (iv) Any item found to be having been executed with poor workmanship or materials of inferior quality then the contractor shall have to rectify / reconstruct the work as specified by IIM. No extra charge will be admissible in such case. If contractors fail to do so, the IIM reserved the right to rectify / reconstruct the work through some other agency at the expenses of contractor.



- (v) The schedule of activities as submitted by the contractor shall have to be strictly adhered to. Regular progress reports shall have to be submitted by the contractor giving all details for monitoring of the schedule.
- (vi) The contractor shall take charge of site and if site clearance is involved, he shall attend to it.
- (vii) Special care is to be taken for cleanliness of the site. After the end of day's work the site should be cleaned immediately.
- (viii) The contractor shall have to co-operate with the agencies in execution of other works in the same area.
- (ix) While executing the work, the contractor shall ensure safety and security of the property of the IIM so as to avoid theft etc.
- (x) Certain specialized items of works may be carried out directly by the specialized agencies which are directly appointed by the company, the contractor has to coordinate and cooperate such agencies by providing them clear way of working, correct size of opening, levelled floors or any such requirements which the contractor has to perform on his part.
- (xi) Absolute cleanliness is must while working.
- (xii) All care to be taken not to damage existing structure and related things. All dismantled debris to be carted away immediately from the site.
- (xiii) For any kind of discrepancy or unforeseen happenings, inform the IIM immediately.
- (xiv) Any damage to false ceiling/wall, plaster etc done during the execution of work will have to be rectified by the contractor at its own cost.
- (xv) Permission for working on holidays & after 5:30 pm should be taken by contractor.
- (xvi) CoVID-19 precaution, guidelines issued by govt. of India etc. should by contractor.
- (xvii) All worker should have proper valid ID card issued by the contractor during the execution of work.
- (xviii) Contractor should maintain & filled check list/job card of item checked / require checking for installation/testing and commissioning.
- (xix) All site inspection report, Guarantee/ warranty card, user manual, maintenance manual, remote etc. to be handed over to IIML before final bill.

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INDIAN INSTITUTE OF MANAGEMENT LUCKNOW

ANNEXURE-A

SPECIFICATION OF 2.0 TON HI-WALL SPLIT AIR CONDITIONER (NON-INVERTER)

S. No.	Parameter	Tender specification		
1.	Cooling Capacity	2.0		
2.	BEE Star rating	3		
3.	Max. Ambient temp.	50 °C B/w 52 °C		
4.	Energy efficient ratio (EER)	3.5 or above		
5.	Rated Cooling Capacity (BTU/Hr)	24000 or above		
6.	Rated Cooling Capacity (Watt/Hr)	7000 or above		
7.	Condensing / Cooling Coil	100% Copper		
8.	Electrical input	220V±30/50Hz/Single Phase		
9.	Current (Amps)	8 – 10 A		
10.	Noise level	Indoor unit: ≤ 35 dB to 50dB		
11	Compressor type	Rotary type		
12.	Starting time delay (Min.)	2 minutes		
13.	Air flow rate (CMH)	1300 to 1500		
14.	Air flow rate (CFM)	765 to 882		
15.	Function modes	Auto/Cool/Fan/Dry/Self-Cleaning – shall have power saving		
		mode, temperature setting option should be available		
16.	Body surface finish	Powder coated/high quality paint finish		
17.	Air filtering unit	Dust proof and anti-bacteria filter		
18.	Length of tubing with insulation	Shall be paid per RMT provided as per the item rate given in BOQ.		
	with accessories			
19.	Remote control	Wireless with LCD display		
20.	Refrigerant type	R-32 or R-410A or eco-friendly refrigerant		
21.	Anti-Corrosive Coating	Blue Fin/Gold Fin or equivalent		
26.	Outdoor Stand	Include in the cost		
	SPECIFICATION OF 2.0 TON FLOO	DR STANDING AIR CONDITIONER (NON-INVERTER)		
S. No.	Parameter	Tender specification		
1.	Cooling Capacity	2.0		
2.	Max. Ambient temp.	50 °C B/w 52 °C		
3.	Energy efficient ratio (EER)	Above 3.5		
4.	Rated Cooling Capacity (BTU/Hr)	Above 21500		
5.	Rated Cooling Capacity (Watt/Hr)	6200 or above		
6.	Condensing / Cooling Coil	100% Copper		



7.	Electrical input	220V±30/50Hz/Single Phase		
8.	Current (Amps)	3 – 10 A		
9.	Noise level	ndoor unit: ≤ 45 dB to 60dB		
10.	Compressor type	Rotary type		
11.	Air flow rate (CMH)	1100 to 1300		
12.	Air flow rate (CFM)	600 to 750		
13.	Function modes	Auto/Cool/Fan/Dry/Self-Cleaning – shall have power saving mode, temperature setting option should be available		
14.	Air filtering unit	Dust proof and anti-bacteria filter		
15.	Length of tubing with insulation with accessories	Shall be paid per RMT provided as per the item rate given in BOQ.		
16.	Remote control	Wireless with LCD display		
17.	Refrigerant type	R-32 or R-410A or eco-friendly refrigerant		
18.	Outdoor Stand	Include in the cost		

SPECIFICATION OF 4.0 TON FLOOR STANDING AIR CONDITIONER (NON-INVERTER)

S. No.	Parameter	Tender specification	
1.	Cooling Capacity	4.0 TR	
2.	Max. Ambient temp.	50 °C B/w 52 °C	
3.	Energy efficient ratio (EER) (BTU/w)	9.00 or above	
4.	Energy efficient ratio (EER) (W/w)	2.50 or above	
5.	Rated Cooling Capacity (BTU/Hr)	48000 or above	
6.	Condensing / Cooling Coil	100% Copper	
7.	Electrical input	415V±30/50Hz/Three Phase	
8.	Current (Amps)	8 – 10 A	
9.	Noise level	Indoor unit: ≤ 35 dB to 50dB	
10.	Compressor type	Rotary type or scroll type	
11.	Air flow rate (CMH)	1900 or above	
12.	Air flow rate (CFM)	1000 or above	
13.	Function modes	Auto/Cool/Fan/Dry/ Self-Cleaning – shall have power saving	
		mode, temperature setting option should be available	
14.	Body surface finish	Powder coated/high quality paint finish	
15.	Air filtering unit	Dust proof	
16.	Remote control	Wireless with LCD display	
17.	Refrigerant type	R-32 or R-410A or eco-friendly refrigerant	

LIST OF ELECTRICAL ITEMS/MATERIALS AND IT'S MAKE

S.No.	Item	Name of Manufacturer
1.	Thimbles	Dowell's
2.	PVC Conduit Pipe	ISI marks
3.	P.V.C. Copper Wire	Polycab/Havells/Anchor/KEI
4	Industrial AC Box	Anchor/ Havells
5.	AC Plug Top	Anchor/ Havells
8.	МССВ	L&T, Havells
9.	MCB	L&T, Havells
10.	Aluminum Cable	Polycab/Havells/Anchor/KEI
11.	Drain Pipe	Hard PVC
12.	Hanger / support for copper pipe	Mild steel
13.	Cable Tray	Perforated Mild Steel



14. Outdoor Stand

Power coated mild steel

Notes:

- 1. Out of the approved makes of materials mentioned above, the make of materials to be used on the work shall be as decided by the Engineer-In-charge.
- 2. The Contractor shall produce samples before procurement of the material for approval of the Engineer-In-charge. The material of the makes out of the above as approved by the IIM/ Engineer-In-charge shall be used on the work.
- 3. Materials for which approved makes are not specified above shall be makes to be decided by the IIM/ Engineer-In-charge and as per sample got approved before procurement.
- 4. The Contractor shall submit sample of materials one month before procurement for approval from concerned authorities.

PART B



BILL OF QUANTITY

BOQ FOR SUPPLY INSTALLATION TESTING & COMMISSIONING OF 4 NOS. 4 TR FLOOR MOUNTED AIR-CONDITIONING & 8 NOS. 2 TR SPLIT AIR-CONDITIONING IN HALL-3 OF BODIGRAH ALONG WITH ALL ELECTRICAL WORK

	PART-I				
SR NO	ITEM DESCRIPTION	UNITS	QTY	RATE	AMOUNT
1	AIR COOLED SPLIT UNITS				
а	SITC of 2.0 TR CAPACITY Air-cooled Hi-wall Split A.C. units with Refrigerant, vibration isolators, with suitable foundation etc. complete as required. All necessary supporting GI hangers, MS structure for supporting units, Anchor fasteners, nut, bolts etc. Unit shall be suitable for operation on 230 voltage+/-10%, 50 Hz electrical power supply. With outdoor and MS stand painted with anti-rust paint for mounting ODUS (As per specification given in Annexure-A).		5		
b	Stabilizer 5 KVA	Nos.	5		
2	AIR COOLED TOWER/STANDING UNITS				
а	SITC of 2.0 TR Air-cooled TOWER/Standing type unit with Refrigerant, vibration isolators, with suitable foundation etc. complete as required. All necessary MS structure for supporting units, Anchor fasteners, nut,		2		



A CONTRACTOR	and the second se				
b	SITC of 4.0 TR Air-cooled TOWER/Standing type unit with Refrigerant, vibration isolators, with suitable foundation etc. complete as required. All necessary MS structure for supporting units, Anchor fasteners, nut, bolts etc. Unit shall be suitable for operation on 410 voltage+/-10%, 50 Hz electrical power supply. With outdoor stand and MS stand painted with anti-rust paint for mounting ODUS (As per specification given in Annexure-A).	Nos.	4		
	PART-II				
	SUB-HEAD 'B' LOW SIDE AND INSTALLATION				
SR NO	ITEM DESCRIPTION	UNITS	QTY	RATE	AMOUNT
3	Supply, Installation, testing and commissioning including vaccumization and Nitrogen testing of Interconnecting refrigerant copper pipe work suitable for R-410A / R-32 or eco-friendly refrigerant with suitable supports, jointing/brazing including accessories, also along with (19mm) closed cell elastomeric nitrile rubber tubular insulation between each set of indoor & outdoor units as per specifications. All piping shall be properly supported with MS, GI STUDS/CLAMPS/HANGERS. The refrigerant pipes running in vertical shaft shall be supported on MS angle and wooden saddle at every 1200 mm distance and the pipes which are running horizontally above the false ceiling should be supported on MS angle/slotted angle at every 1200 mm distance.				
а	19.1 mm dia (OD) with tube thickness 1.2 mm with 19mm thick insulation	Rmt	80		
b	12.7 mm dia (OD) with tube thickness 1.2 mm with 19mm thick insulation	Rmt	80		
C	15.8 mm dia (OD) with tube thickness 1.2 mm with 19mm thick insulation	Rmt	60		
d	9.5 mm dia (OD) with tube thickness 1.2 mm with 19 mm thick insulation	Rmt	60		
4	Supplying and fixing of 25mm sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	Rmt	50		
5	Supplying and drawing following sizes of FRLS PVC insulated copper conductor and, single core cable in the existing surface/recessed steel/ PVC conduit as required.				
а	2.5 sq. mm. 4 core flexible copper	Rmt	80		
b	4.0 sq. mm. 4 core flexible copper	Rmt	80		
С	6.0 sq. mm. flexible copper	Rmt	180		
d	10.0 sq. mm. flexible copper	Rmt	180		
	PART-III				
	SUB-HEAD 'C' ELECTRICAL				
SR NO	ITEM DESCRIPTION	UNITS	QTY	RATE	AMOUNT
1	Supply & Laying of 3.5C x 95 sq. mm PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade from panel to TP & N on cable tray. Termination of cable at both the end with appropriate lug and all the accessories required for termination.	Meters	50		
2	Supplying and fixing of 6 way (4 + 18), Double door, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)	Nos.	1		
а	Providing and fixing 200 A, 36 KA, four pole MCCB and breaking capacity 50kA and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.	Nos.	1		



~	and the second				
b	Supplying and fixing 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. (for DB box)				
b.1	DP 32A,240V	Nos.	7		
b.2	TP 63A, 440V	Nos.	4		
3	Wiring for circuit/ sub main wiring along with earth wire with the 2 X 6 sq. mm + 1 X 2.5 sq. mm earth wire of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required and termination of cable with appropriate lug at both the ends (complete in all sense with material like wire, PVC conduit and accessories including all civil work etc.). For 2 Tr. Split AC	Meters	180		
4	Wiring for circuit/ sub main wiring along with earth wire with the 3 X 10 sq. mm + 1 X 6 sq. mm earth wire of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required and termination of cable with appropriate lug at both the ends (complete in all sense with material like wire, PVC conduit and accessories including all civil work etc.) For 4 Tr. Floor mounted AC	Meters	100		
5	Supply and fixing of industrial type AC box recessed along with SP 32 A MCB	Nos.	7		
6	Supply and fixing of TPN AC box recessed along with TP 63 A MCB	Nos.	4		
7	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required	Meters	50		
	PART-IV SUB-HEAD 'D' CIVIL				
SR NO	ITEM DESCRIPTION	UNITS	QTY	RATE	AMOUNT
1	Dismantling stone slab flooring laid in cement mortar i/c disposal 50 mtr.	Sqm	70		
2	Demolishing CC nominal concrete 1:3:6 or richer mix.	Cum	7.5		
3	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 E-in-C. In cement mortar.	Cum	0.75		
4	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	15		
5	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness.	Sqm	70		
6	Kota stone slab 16 to 22 mm thick (semi polished)	Sqm	70		
7	12 mm cement plaster of mix: 1:6 (1 cement: 6 coarse sand).	Sqm	50		
	Disposal of building rubbish / malba / similar unserviceable, dismantled				
8	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	20		



GST WILL BE EXTRA AS APPLICABLE					
14	Core Cutting upto 150 mm in Masonary/ Concrete for Passing of Pipes etc. through it	Nos.	10		
13	P/F of 50mm thick PVC drainage pipe 4kg pressure Astal or equivalent make of approved quality including all fixtures like bend, socket etc. complete job.	Mtr	115		
12	P/F of drain SS jali for 2" pipe hole complete job including fixing and finishing.	Each	9		
11	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade: Two or more coats on new work.	Sqm	50		
10	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	25		

Note: The contractor are advice to survey the actual site for assessment of critical application if any & accordingly quote the rates.

Signature with seal of the Contractor