

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

Tender Document for Renovation of 500 nos. Students Rooms (Single Rooms) in different Halls of Residence at IIT Kharagpur.



INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR, WEST BENGAL

TENDER DOCUMENT FOR

Renovation of 500 nos. Students Rooms (Single Rooms) in different
Halls of Residence at IIT Kharagpur.

PART – I : TECHNICAL BID

NOTICE INVITING TENDER NO. : SE(C)-IIT-TEN-2016-17_12 (Recall-2)
DATED : 28.03.2017

MARCH 2017

Cost of Tender Document : Rs. 5000.00 (Non-Refundable)
Last Date & Time of Submission : 13.04.2017, upto 3:00 pm

CIVIL CONSTRUCTION & MAINTENANCE SECTION
IIT, KHARAGPUR,
WEST BENGAL

SUPERINTENDING ENGINEER (CIVIL)
IIT KHARAGPUR

Name of Bidder : M/S.

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.....

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Issued on:

CCM Tender Sl. No. _____

Dated _____

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TABLE OF CONTENTS		
Sl. No.	SUBJECT	Page No.
01.	NOTICE INVITING TENDER	01
02.	INSTRUCTIONS TO THE BIDDER	02 - 04
03.	ADDITIONAL CONDITIONS OF CONTRACT	05 - 06
04.	SCOPE OF WORK & TECHNICAL SPECIFICATION	07 - 09



**INDIAN INSTITUTE OF TECHNOLOGY
KHARAGPUR**

No. SE(C)/IIT/TEN/2016-17/ 12 (Recall-2)

Date : 28.03.2017

NOTICE INVITING TENDER

The Superintending Engineer (Civil), IIT Kharagpur, invites sealed Item Rate tenders under **Two part Bid System** containing Part-I (Technical Bid) & Part-II (Financial Bid) from the approved and eligible contractors of the Indian Institute of Technology, Kharagpur/CPWD/PWD/MES and other bonafide agencies meeting the minimum qualification criteria for the following work:

Sl. No	Name of work	Estimated Amount (Rs.)	Earnest Money Deposit (Rs.)	Time for Completion	Start Date & Time of Tender Document Download / Bid Submission	End Date & Time of Tender Document Download / Bid Submission	Date & Time of opening of Technical Bid
1	Renovation of 500 nos. Students Rooms (Single Rooms) in different Halls of Residence at IIT Kharagpur.	3,05,21,318.00	6,10,430.00	08 Months	28.03.2017 05:30 PM	13.04.2017 upto 03:00PM	13.04.2017 at 3:30 PM

Cost of Tender Paper Rs. 5000.00, NON REFUNDABLE (in the form of DD only) in favour of **IIT Kharagpur**, payable at **Kharagpur** (validity of DD should be at least 03 months) is to be submitted along with the tenders (within Technical Bid). Tender without 'Cost of Tender Document' will be summarily rejected.

The Earnest Money should be deposited along with the tenders (within Technical Bid) in the form of DD only in favour of IIT Kharagpur, payable at Kharagpur. Tender without 'Earnest Money Deposit' will be summarily rejected.

Brief Scope of Work

Renovation of 500 Nos. Students Rooms (Single Rooms) in different Halls. **The work is extremely time bound and to be executed simultaneously in different Halls of Residence. The agency shall make himself ready to take up the work within short notice upon availability of work front.** The work comprises of –

1. Civil Works (Major Component), approximately 83% of total work value
2. Electrical Works (Minor Component), approximately 15.0% of total work value &
3. Networking Works (Minor Component), approximately 2.0% of total work value.

Eligibility Criteria

Contractors who fulfill the following requirements shall be considered as eligible bidder.

Agencies should have satisfactorily completed the similar works as mentioned below during the last 07 (Seven) years ending last day of the February, 2017:

- i) Three (03) similar works each costing not less than 40% of estimated cost, or
- ii) Two (02) similar works each costing not less than 60% of estimated cost, or
- iii) One(01) similar work costing not less than 80% of estimated cost, executed under

Central/State Government Department / Central/State Autonomous Body / Central/State Public Sector Undertaking.

Similar work shall mean: Construction / Repair & Renovation / Maintenance of Building.

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 last date of applications for tenders.

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.

The bidders must associate himself, with agencies eligible to bid for the minor component-Electrical works & Networking works) individually in line with Eligibility Criteria mentioned above (i.e, 3 similar Electrical works each costing not less than 6% of estimated cost, or 2 similar Electrical works each costing not less than 9% of estimated cost, or 1 similar Electrical work costing not less than 12% of estimated cost and similarly, 3 similar Networking works each costing not less than 0.8% of estimated cost, or 2 similar Networking works each costing not less than 1.2% of estimated cost, or 1 similar Networking work each costing not less than 1.6% of estimated cost). The contractor or the agency he associates with to carry out the electrical work shall have to produce valid license from the competent authority in his name. The validity of the license should remain for the whole tenure of the work. The same should be submitted along with the technical bid. The eligible bidders shall quote rates for all items of major component (Civil works) as well as for all items of minor components of work (Electrical & Networking works).

The tender 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) can be downloaded from the **Central Public Procurement Portal** of Government of India <https://eprocure.gov.in/cppp/tendersearch> & **Institute's website** <http://www1.iitkgp.ac.in/topfiles/tenders.php>. *The institute shall not be responsible for any delay / difficulties / inaccessibility of downloading facility for any reason whatsoever. In case of any discrepancy between the tender documents downloaded from internet and the master copy available in this office, the letter shall prevail and will be binding on the tender(s). No claim on this account will be entertained.*

Tender should be submitted as per the prescribed format within the specified date and time at Office of Civil Construction & Maintenance Section, IIT Kharagpur, and failing to do so, the offer shall be summarily rejected. **Bid Validity period is 90 Days** from submission of bid. Bid will be opened at Civil Construction & Maintenance Section, IIT Kharagpur. **The Institute have the right to reject any tender without assigning any reason thereof.**

Superintending Engineer (Civil)
On behalf of Indian Institute of Technology
Kharagpur

Copy to:

- 1) Registrar,
- 2) Chairman (CC&M)
- 3) Vice Chairman (CC&M) Civil
- 4) Executive Engineer (Civil)
- 5) Engineer (Civil)
- 6) Asstt./Jr. Engineer (Civil)
- 7) Notice Board
- 8) Office file

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

Tender Document for Renovation of 500 nos. Students Rooms (Single Rooms) in different Halls of Residence at IIT Kharagpur.

INSTRUCTIONS TO THE BIDDER

1. Attention of the tenderer is directed to the conditions of tender and general conditions of contract of IIT Kharagpur. Bidders who are not aware of the "General Conditions of Contract" of IIT Kharagpur are instructed to collect the same from Civil Construction and Maintenance Section, IIT Kharagpur and read the terms & conditions before submission of the tender.
2. The tenderer 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. 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. Failure by the tenderer to have done all the things, which in accordance with his condition he is deemed to have done shall not relieve the successful tenderer of the responsibility for satisfactory completion of the work as required. If there is any clarification required, the tenderer shall submit the queries in writing 03 (Three) days before the last date & time of submission of the tender, to the Civil Construction & Maintenance Section, IIT Kharagpur. Access to the site will be granted, if necessary, to the tendered by prior permission of the Engineer-in-charge.
3. The time for completion of work is **08 (Eight) Months** & will be reckoned from the 7th day from the date of issue of Work Order or handing over of site, whichever is earlier.
4. EMD of requisite amount as mentioned in NIT/Corrigenda in favour of **IIT Kharagpur** in the form of **Demand Draft** only from any **Nationalized Bank** payable at **Kharagpur** should be enclosed within the **Technical Bid**. Validity of DD should be at least 90 days from date of publication of NIT. Any tender received without requisite Earnest Money in the form as mentioned above shall be summarily rejected and treated as cancelled. The Earnest Money received shall be refunded to the unsuccessful bidders without any interest upon executing the Contract Agreement by successful tenderer, subject to the provisions of Clause 5 of ITB. The Earnest Money Deposit (EMD) of successful tenderer shall be retained and converted as part of Security Deposit.
5. Earnest Money Deposit (EMD) will be forfeited in the following cases -
 - a. If the tenderer withdraws / modifies his tender during the period of Bid Validity.
 - b. If the tenderer does not accept the correction of arithmetical errors of his tender.
 - c. If the tenderer after award of work, does not start the work within the stipulated time period as per Letter of Acceptance / Work Order.
6. **Eligibility Criteria**

Contractors who fulfill the following requirements shall be considered as eligible bidder.

Agencies should have satisfactorily completed the similar works as mentioned below during the last 07 (Seven) years ending last day of the February, 2017 :

- i) Three (03) similar works each costing not less than 40% of estimated cost, or
- ii) Two (02) similar works each costing not less than 60% of estimated cost, or
- iii) One (01) similar work costing not less than 80% of estimated cost, executed under Central/State Government Department / Central/State Autonomous Body / Central/State Public Sector Undertaking.

Similar work shall mean: Construction / Repair & Renovation / Maintenance of Building.

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 last date of applications for tenders.

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.

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

Tender Document for Renovation of 500 nos. Students Rooms (Single Rooms) in different Halls of Residence at IIT Kharagpur.

The bidders must associate himself, with agencies eligible to bid for the minor components- (Electrical works & Networking works) individually in line with Eligibility Criteria mentioned above (i.e, 3 similar Electrical works each costing not less than 6% of estimated cost, or 2 similar Electrical works each costing not less than 9% of estimated cost, or 1 similar Electrical work costing not less than 12% of estimated cost and similarly, 3 similar Networking works each costing not less than 0.8% of estimated cost, or 2 similar Networking works each costing not less than 1.2% of estimated cost, or 1 similar Networking work each costing not less than 1.6% of estimated cost). The contractor or the agency he associates with to carry out the electrical work shall have to produce valid license from the competent authority in his name. The validity of the license should remain for the whole tenure of the work. The same should be submitted along with the technical bid. The eligible bidders shall quote rates for all items of major component (Civil works) as well as for all items of minor components of work (Electrical & Networking works).

7. Submission of Bid

The bids shall be submitted in **Two Parts** in two separate sealed envelopes:

I. **Complete Technical Bid** will comprise of :

- i) EMD of requisite amount in the form of DD only in favour of IIT Kharagpur payable at Kharagpur. Bid without EMD would be summarily rejected.
- ii) Credential documents fulfilling the minimum eligibility criteria as per Clause 6 above, i.e., Experience Certificates for completion of similar type of job within last seven years.
- iii) Original Tender Document – Part-I: Technical Bid. (Stamped & Signed in all pages)
- iv) Statutory registration documents like PAN, IT Return of last 3 years, ST & VAT Registration Certificate and Return etc.

II. **Complete Financial Bid** will comprise of :

- i) Duly filled-up **Form of Tender** as an acceptance to the terms and conditions set in the tender.
- ii) Duly filled-up **Schedule of Quantities**.

Both the envelopes should be duly marked on top with **NIT Number, Name of work and Technical Bid / Financial Bid** as the case may be and both the envelopes to be submitted in another sealed envelope duly marked on top with **NIT Number and Name of work**.

Cost of Tender Paper Rs. 5000.00, NON REFUNDABLE (in the form of DD only) in favour of IIT Kharagpur, payable at Kharagpur (validity of DD should be at least 03 months) to be submitted along with the tenders (within Technical Bid). Tender without 'Cost of Tender Document' will be treated as cancelled. Tenders must be delivered at the place and time as indicated in NIT / further corrigenda. Bids that are not in the above format will be rejected.

8. All Rates, Prices, Amounts and Sums quoted by the bidder shall be in Indian currency only. The language used throughout shall be English.
9. All Rates, Amounts & Sums shall have to be quoted in indelible ink and written both in figures and words. If the rate quoted in words does not tally with the rate quoted in figures then the rate which corresponds to the lesser amount shall be considered.
10. Any overwriting / correction / applying correction fluid shall be avoided and in case any correction is made the same must be initialized and stamped.
11. Tender must be submitted with the rates for all the items of work involved and any incomplete tender will not be considered. The items for which the rates are not quoted will be considered as '**Zero**' & the agency shall complete that item of work without any claim.
12. No alteration shall be made by the tenderer in the tender and no conditional tender will be entertained. Tender with split rate will not be considered.
13. The bid shall remain valid for a period of **90 days** from the date of opening of the bid. If before expiry of the validity period or issue of work order, whichever is earlier, the bidder amends / modifies / withdraws his bid, making unacceptable to the institute, then the Earnest Money Deposit shall be liable to forfeiture at the option of the Institute.
14. The Rates quoted by the tenderer should be inclusive of all taxes & duties, freight, cost for loading & unloading etc. and must hold good till the completion of work and shall not be subjected to escalation due to increase in local market rates of materials and labour. No claim on this account what so ever shall be entertained at any stage including the extended period, if any.

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

Tender Document for Renovation of 500 nos. Students Rooms (Single Rooms) in different Halls of Residence at IIT Kharagpur.

15. The tenderer shall have to submit copies of valid PAN, Income tax, Sales Tax / VAT / CST & other statutory tax clearance Certificates along with the tender. The original copies of these Certificates will have to be produced when demanded for verification.
16. Each page of the bid document shall have to be signed and stamped by the Bidder / Authorised Signatory before submission. The bidders have to submit the tender documents and correspondences accompanying the tender with proper sign and stamp on each page along with the bid. The person / officer signing the tender / bid should be delegated with an appropriate **Power of Attorney (duly endorsed by a Notary Public)** by the **Owner / Proprietor / Partner / CEO / MD / Director** of the company to sign such documents.
17. The Intending bidders will have to produce documentary evidence in original in support of their credentials before the competent authority whenever demanded for verification. If any information furnished by the bidder is found as false / fabricated then his bid will be rejected and treated as cancelled, even if the same is detected at any stage after signing of the contract and would lead to termination of the contract besides forfeiture of Earnest Money Deposit (EMD) and liabilities towards prosecution under appropriate law. In such cases the bidder / tenderer will be debarred from participation in future tendering process for next 03 (Three) years.
18. Should there be any doubt or obscurity as to the meaning of any of the tender documents or if any further information is required, the tenderer must address his enquiry in writing in duplicate to Executive Engineer, Civil Construction & Maintenance Section, Indian Institute of Technology Kharagpur - 721302, West Bengal. Such enquiries must be submitted not later than **03 (Three)** working days before the last date fixed for submission of the tenders.
19. The sealed Bids shall be received by the Institute at Civil Construction and Maintenance Section not later than the time and date stipulated in the Notice Inviting Tender or Corrigenda otherwise. Tenders that are received after the date and time specified will not be considered.
20. The Technical Bid of tender will be opened on the specified date and time of opening at the Civil Construction & Maintenance Section, IIT Kharagpur in the presence of bidders / tenderers or their Authorised representatives (with proper authorization letter from Owner/Proprietor/Partner/CEO/MD/Director of the company mentioning Name, Address and designation of the person being authorised).
21. Date and time of opening of Price Bid will be informed to the Technically Qualified Bidders and will be opened at the Civil Construction & Maintenance Section, IIT Kharagpur in the presence of bidders / tenderers or their Authorised representatives (with proper authorization letter from Owner/Proprietor/Partner/CEO/MD/Director of the company mentioning Name, Address and designation of the person being authorised).
22. The Institute reserves the right to accept or reject any or all the offer including the lowest without assigning any reason. The Institute does not bind itself to accept the lowest offer.
23. The successful tenderer, shall deposit an amount equal to 5% of the tendered and accepted value of the work as performance guarantee in the form of Demand Draft of a Scheduled Bank in favour of IIT Kharagpur payable at Kharagpur. The time allowed for submission of the performance guarantee shall be 15 days of receiving "Letter of Acceptance" (LOA). This period can be further extended as the written request of the contractor by the Engineer-in-charge for a maximum period ranging from 1 to 15 days with a late fee @ 1.00% per day of Performance Guarantee Amount. If the bidder still fails to deposit the performance guarantee within the extended time period, i.e. within 16th day to 30th day from the issue of letter of acceptance (LOA), his bid will be rejected and treated as cancelled and the entire Earnest Money Deposit shall be forfeited. After recording of the completion certificate for the work by the competent authority, the performance guarantee shall be returned to the Contractor, without any interest.
24. Standard Institute payment procedure shall be followed. A sum @ 5% of the gross amount of the bill shall be deducted as Security Deposit from the bill of the contractor. However, Earnest Money shall be adjusted first in the Security Deposit and the rest amount to complete a sum of 5% of gross bill value will be deducted from the contractor's bill. The security deposit of the Contractor shall not be refunded before the expiry of defect liability period after the issue of the certificate final or otherwise, of completion of work, or till the final bill has been prepared and passed whichever is later.

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

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ADDITIONAL CONDITIONS OF CONTRACT

1. The quantities indicated are approximate and may vary at the time of execution. The Institute will exercise absolute discretion for operating all or some items of the schedule.
2. The scope of work includes **Civil, Electrical & Networking System**. All works have to be executed in a systematic manner without hampering other jobs. *The bidders must associate himself, with agencies eligible to bid for the minor components (Electrical works & Networking Systems) individually. The contractor or the agency he associates with to carry out the electrical work (minor component) shall have to produce valid electrical license from the competent authority in his name. The validity of the license should remain for the whole tenure of the work. The same should be submitted along with the technical bid. The eligible bidders shall quote rates for all items of major component (Civil works- 83.02% of total value) as well as for all items of minor components of work (Electrical works- 14.72% of total value & Networking system- 2.26% of total value).*
3. The total work would be done simultaneously in different floor and as well as in different Halls of Residence.
4. Colour & type of flooring, painting etc. have to be approved by the concerned authority. Contractor has to arrange the adequate labour and materials accordingly to fulfill all the above conditions. Contractor has to remove all the debris from the site of execution and dispose them at suitable places shown by the Engineer or his authorised representative at site.
5. Cement used for the work should not be older than two months from the date of manufacture. The contractor should purchase the cement from authorised dealer and submit the test certificates/vouchers prior to execution of the work.
6. All temporary arrangements, staging, working platforms etc. is to be provided by the contractor at his own expense to the satisfaction of the Engineer-in-Charge. The Institute will not however, be liable to pay any compensation due to accident, injury to the contractor's work men or any account what-so-ever.
7. Steel to be supplied and used should be from approved manufacturers. Steel from manufacturers other than approved make / re-rolled steel will not be acceptable. The consumption of steel will be regulated as per bar bending schedule and drawing to the contractor and/or as directed by Engineer-in-charge. Payment of reinforcement rod, will be made as per actual use including overlaps, crank, bending etc., as needed at work site, if any, as per approved drawing. Quantity will be calculated using standard weight per running meter. No wastage on any account is payable. Test certificate of steel should be submitted by the contractor. The contractor must submit vouchers for the steel purchased to the Engineer. All reinforcement used should be free from loose mill scale, loose rust, paint and oil coating etc.
8. All concreting works instructed shall be Machine mixed and Machine vibrated and will have required levels of strength at the time of testing. Poorly executed concrete have to be demolished and repair will not be allowed.
9. The Institute will be at liberty to take samples during the course execution of work and get the same tested at Institute's laboratory to ascertain the quality conforming to relevant specification. The cost of sample and the charges for the testing will have to be borne by the contractor.
10. The contractor will have to maintain the work for **SIX** calendar months from the certified date of its completion.
11. The job is to be done as per WBPWD Building & Sanitary works specification for building / Civil works and WBPWD Roads specification for Road Works, as applicable and provisions made in relevant IS codes must be followed.
12. The bituminous road work shall be carried out by using bitumen of grade VG30 preferably from IOCL, wherever applicable.

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

Tender Document for Renovation of 500 nos. Students Rooms (Single Rooms) in different Halls of Residence at IIT Kharagpur.

13. Roof treatment work / water proofing treatment work should be guaranteed by the contractor for 10 years after successful completion of work, wherever applicable.
14. For painting works-
 - i. Volume of paint required is to be procured & stored at site during starting of work to avoid mismatch of shade. And Challan / Tax invoice of procured paint, certified by the Manufacturers, should be submitted to the department.
 - ii. Sampling of paint should be done in presence of the manufacturers' representative and the quality of application to be certified by the manufacturer and the same to be submitted to the department.
 - iii. Surface preparation and procedure of paint application as suggested by the paint manufacturers to be followed properly and Checklist of paint (pro-forma will be provided by EIC during execution) to be jointly signed by the contractor, paint manufacturer.
 - iv. External Painting works to be guaranteed by the paint manufacturer for a period of 03 years for Normal Acrylic Emulsion, 05 years for 100% Acrylic Emulsion and 07 years for super protective Acrylic Emulsion Paint. The warranty should cover replacing of paint to the extent of defect including cost of labour for re-application of coating as may be necessary to set right the paint failure, at the contractor's own risk and cost.
Paint failure shall mean –
 - a) flaking / peeling / cracking or chalking of paint film
 - or, b) growth of micro-organism like algae/fungus on the painted surface
 - or, c) fading of colour shade of painted surface
 - v. For a particular area, primer and paint to be used should of same make approved by IIT Kharagpur.
15. The contractor shall take adequate precaution and safety measures while executing the renovation of the existing room so as not to cause any damage to adjacent room, toilet, water main and electrical/networking lines/cables.
16. The areas under the scope of work should be barricaded or cordoned off by suitable means to avoid mishaps of any kind, without restricting or hampering, the movement of boarders / residents / users within the Halls of Residence. Proper warning signs should be displayed for the safety of the public whenever clearing works would be undertaken.
17. This safety provision should be brought to the notice of all concerned by display on a notice board at a prominent place at work spot.
18. To ensure effective enforcement of the rules and regulation relating to safety precautions the arrangement made by the contractor shall be open to inspection by the Engineer –in-Charge of the department of their representative.
19. Suitable safety arrangement should be provided as per CPWD safety code.
20. The contractor should ensure that the work front and its adjoining areas should be kept clean of any debris / rubbish at his own risk and cost.
21. The Contractor would not be allowed to store cement / steel / tiles / electrical fittings / wood / plywood / or any such materials to be used for the work in common spaces within the Halls of Residence causing inconvenience to the users.

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

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SCOPE OF WORK & TECHNICAL SPECIFICATION

The scope of work includes “**Renovation of 500 Nos. Students Rooms (Single Rooms) in different Halls of Residence at IIT Kharagpur**”. The work is extremely time bound and involves Civil Works, Electrical Works and Networking System.

A. SCOPE OF CIVIL WORKS WITH SPECIFICATION :

1. Vitrified tiles flooring : (Colour & type to be approved by concerned authority)
2. Door & window repairing / painting and changing all old fittings with new Anodized Aluminium fittings and changing all new fittings to anodized aluminum fittings.
3. Plastering, wall putty, painting and plastic emulsion paint (Colour & type to be approved by concerned authority).
4. Covering cupboard with wooden frame block board shutter (19 mm. thick as per IS-1659-1990 and IS-848-1974). Front face with decorative lamination and back side with wall putty and painting (Colour & type to be approved by concerned authority). All fittings to be used should be of Anodized Aluminium.
5. Fixing of beveled edge Mirror and dressing table.
6. Miscellaneous works: Fixing granite in door seal, taking out and re-fixing window grills as per site condition wherever required, fixing stainless steel wall hanger & hook at wall etc.

EXCLUSIONS

1. Furniture, Mosquito net (Only SS hook to be provided)
2. Ply cladding inside surface of cupboard, Decorative lamination at backside of cupboard shutter / inside wall of cupboard.

APPROVED MAKE LIST OF MATERIALS TO BE USED WHEREVER APPLICABLE

SL. NO.	ITEM	SUGGESTED BRAND NAME OR SIMILAR (TO BE APPROVED BY THE AUTHORITY)
01.	Cement (PPC)	ACC / Ultratech / Lafarge / Birla Gold
02.	Ceramic Floor Tiles	Premium Quality Johnson / Kajaria
03.	Vitrified / Rectified Tiles	Premium Quality Johnson / Kajaria
04.	Block Board / Pre-laminated particle board / Plywood / decorative veneers	Century Ply / Kit ply / Green Ply
05.	Wall Putty	Birla / JK
06.	Distemper	ICI / Asian paint / Berger
07.	Plastic Emulsion Paint	ICI / Asian paint / Berger
08.	Aluminium Fittings for doors & windows	Ebco / Doorline or equivalent ISI Marked
09.	Synthetic Enamel Paint & Primer	ICI / Asian / Berger
10.	Mirror	Modi Guard / Saint Gobain
11.	Iron Hinges	Mouzi or equivalent ISI Marked

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SCOPE OF ELECTRICAL WORK

Salient features associated with Electrical Works in the proposed modification of hostel rooms -

1. Copper wiring in surface mounted casing capping.
2. 6 Amp Socket – 5 Nos. per room approx., 16 Amps Socket – 1 No. per room
3. Modular switch board – 3 Nos. per room (one by the side of the entrance gate, one by the side of work station and one bed side switch board).
4. 1 x 18W LET Tube light – 1 No. per room, 1 x 15W LED Bulb – 1 No. per room



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SCOPE OF NETWORKING WORK

1. Inside the hostel rooms, bidder needs to relay the **existing LAN UTP cables** through PVC casing. The colour of the casing should match with the colour of the casing used for the electrical wiring.
2. Bidder needs to maintain at least 2 ft distance between the PVC casing of the LAN UTP cables and the PVC casing of electrical wiring.
3. Bidder needs to replace the old Information outlet (I/O box) by supplying new I/O box.
4. Technical specification of the Information Outlet (I/O box) is given below:

Cat-6 Single I/O with Back Box (loaded)

a. CAT6 UTP Jacks for faceplate

<u>Type</u>	<u>Unshielded Twisted Pair, Category 6, TIA / EIA 568-C.2</u>
Modular Jack	750 mating cycles
Wire terminal	200 termination cycles
Accessories	Strain relief and bend-limiting boot for cable
	Integrated hinged dust cover using shuttered technology.
Plug retentions force	14Kgf (140N)
Propagation delay	2.5ns Max ! 1-100 MHz
Current Rating	1.5A max
Contact resistance	20mΩ max per contact
Voltage Rating	72Vdc max
Approval	UL listed and ETL verified
Housing	Polyphenylene oxide, 94V-0 rated
Wiring blocks	Polycarbonate, 94V-0 rated
Jack contacts	Phosphorous bronze, plated with 1.27micro-meter thick gold
Approvals	UL , ETL and 3P
Performance Characteristics to be provided with bid	Attenuation, NEXT, PS NEXT, FEXT and Return Loss
Material	Spring Contact: 50m" goldover 100m" nickel
RoHS Compliant	ROHS compliant

b. Faceplates

<u>Type</u>	<u>1/2-port, White surface box can be provided separately</u>
Material	FRABS / UL 94 V-0
No. of ports	One with shuttered
	High Impact Plastic Body ABS FR Grade 86 x 86 mm
	Flush mountable or surface mountable with a back mount frame
RoHS	Must be RoHS Complied and ETL verified
Approval/Certificate	ISO/IEC-11801 Class E

5. I/O box needs to be firmly fixed to the wall. The position of the new I/O box will be at the same location as that of the existing I/O box to use the existing UTP cable by default.
6. After termination of existing UTP cable to the new I/O box the bidder needs submit a test report to Head, Computer and Informatics Center (CIC), IIT Kharagpur, for 1Gbps connectivity for each I/O box.
7. Bidder needs to carry out the ferruling of UTP cable at the new I/O box end in synchronization with network rack end.
8. Bidder needs to carry out the numbering of new I/O box end in synchronization with Jack panel end of the network rack.
9. Joints in UTP cable is absolutely not allowed under any circumstances. If as a rare case such a circumstance does arise (e.g.(i) if a new I/O box cannot be fixed at the location of the old I/O box for some unforeseen reason and has to be shifted, and the existing UTP cable does not reach to the new I/O box location, or (ii) if the cable is damaged during the civil work. etc), bidder has to relay a fresh UTP cable from the nearest network rack. In such situation, outside the room, UTP cable needs to be laid through the same existing PVC pipe through which the old cable was laid. Any UTP cable needed for this will be provided by CIC. However, the bidder will take all necessary steps to avoid any damage to the existing cable during civil work, and any such cable change needs to be approved by Head, CIC.
10. Bidder has to specify the total quantity, unit rate, and total amount for all necessary materials to be supplied (I/O boxes, PVC casing etc.) and service charges.

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

Tender Document for Renovation of 500 nos. Students Rooms (Single Rooms) in different Halls of Residence at IIT Kharagpur.



INDIAN INSTITUTE OF TECHNOLOGY
KHARAGPUR, WEST BENGAL

TENDER DOCUMENT
FOR

Renovation of 500 nos. Students Rooms (Single Rooms) in different Halls of Residence at IIT Kharagpur.

PART – II : FINANCIAL BID

NOTICE INVITING TENDER NO. : SE(C)-IIT-TEN-2016-17_12 (Recall-2)
DATED : 28.03.2017

MARCH 2017

Last Date & Time of Submission : 13.04.2017, upto 3:00 pm

CIVIL CONSTRUCTION & MAINTENANCE SECTION
IIT, KHARAGPUR,
WEST BENGAL

SUPERINTENDING ENGINEER (CIVIL)
IIT KHARAGPUR

Name of Bidder : M/S.....

.....

.....

.....

Issued on:

CCM Tender Sl. No. _____

Dated _____

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

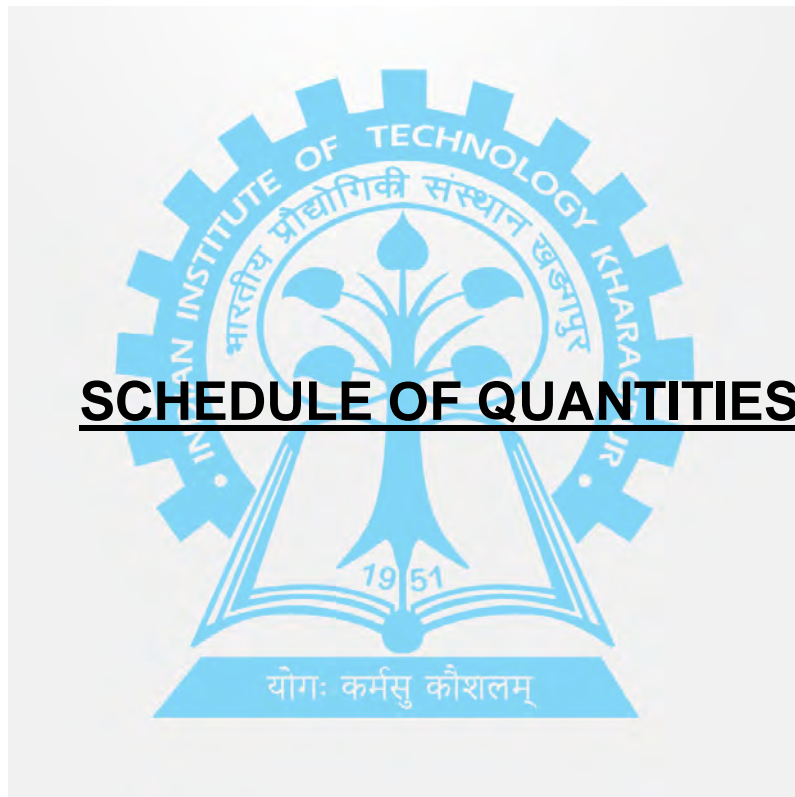
Tender Document for Renovation of 500 nos. Students Rooms (Single Rooms) in different Halls of Residence at IIT Kharagpur.

TABLE OF CONTENTS		
Sec. No.	SUBJECT	Page No.
01	SCHEDULE OF QUANTITIES	01 - 16
02	FORM OF TENDER	17



INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

Tender Document for Renovation of 500 nos. Students Rooms (Single Rooms) in different Halls of Residence at IIT Kharagpur.



SCHEDULE OF QUANTITIES

**CIVIL CONSTRUCTION AND MAINTENANCE SECTION
IIT KHARAGPUR**

Name of work : Renovation of 500 Nos. Students Rooms (Single Rooms) in different Halls of Residence at IIT Kharagpur.

Item No.	Description of Item	Unit	Quantity	Rate (Rupees Figure & Words Rs.)	Amount (Rupees Figure & Words Rs.)
	Part - A, Civil works :				
1	Taking out door and window shutters and rehangng the same with old fittings.With new iron screws.	Sq.M	1176.01		
2	Supplying and laying true to line and level vitrified tiles of approved brand (size not less than 600 mm X 600 mm X 10 mm thick) in floor, skirting etc. set in 20 mm sand cement mortar (1:4) and 2 mm thick cement slurry back side of tiles using cement @2.91Kg./sqM or using polymerised dheseive(6 mm thick layer applied directly overfinished artificial stone floor/Mosaic etc without any backing course) laid after application slurry using 1.75 Kg of cement per sqM below mortar only, joints grouted with admixture of white cement and colouring pigment to match with colour of tiles / epoxy grout materials of approved make as directed and removal of wax coating of top surface of tiles with warm water ndpolishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials, labour and all other incidental charges complete true to the manufacturer's specification and direction of Engineer-in-Charge.(White cement, synthetic adhesive and grout material to be supplied by thecontra conc. (l) With application slurry @1.75 kg/ Sq.m, 20 mm sand cement mortar (1:4) & 2 mm thick cement slurry at back side of tiles, 0.2 kg/ Sq.m white cement for joint filling with pigment. Light Colour.	Sq.M	5364.20		
3	Removing old scales, blisters etc. of interior surface of walls,ceiling by scraping etc. andpreparing smooth and even surface with rendering or cement mortar (1:2) (as necessary), to make the surface suitable for receiving distemper. (Payment against this item will be made only when this has been done on the specific direction of the Engineerin- charge).	Sq.M	23697.88		

Item No.	Description of Item	Unit	Quantity	Rate (Rupees Figure & Words Rs.)	Amount (Rupees Figure & Words Rs.)
4	Providing and applying white cement based putty of average thickness 1mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sq.M	22320.64		
5	Applying Interior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive Distemper/ Acrylic emulsion paint including scraping and preparing the surface throughly, complete as per manufacturer's specification and as per direction of the EIC. (In Ground Floor) Solvent based interior grade Acrylic Primer.	Sq.M	22320.64		
6	Applying Acrylic Emulsion Paint of approved make and brand on walls and ceiling including sand papering in intermediate coats including putty (to be done under specific instruction of Superintending Engineer) : (Two coats) i) Standard Quality	Sq.M	22320.64		
7	Labour for chipping of concrete surface before taking up plastering work	Sq.M	0.00		
8	(A) Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	Sq.M	3768.20		
	(B) Priming one coat on steel or other metal surface with synthetic all bound primer of approved quality including smoothening surfaces by sand papering etc.	Sq.M	1671.42		

Item No.	Description of Item	Unit	Quantity	Rate (Rupees Figure & Words Rs.)	Amount (Rupees Figure & Words Rs.)
9	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface in necessary.				
	(a) On timber or plastered surface: With super glass (hi-gloss) Two Coat (with any shade except white).	Sq.M	3768.20		
	(b) On steel or other metal surface. With super glass (hi-gloss).Two Coat (with any shade except white).	Sq.M	1671.42		
10	Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame exluding cost of concrete, Iron Butt Hinges and M.S clamps. (The quantum should be correted upto three decimals).Sal : Local.	CuM	19.09		
11	M.S. works in brackets made from flats,angles, tees etc. to sizes specially bent, twisted, forged; making holes drilled and fitted to rafter of trusses with necessary bolts, nuts, washer or screws etc. (length of straight not less than 230 mm) (To be used for repair works only).	Kg	789.56		
12	Repairing steel shutter with new rivets including taking out and refixing, adjusting, welding, cleaning cutting holes, mending good damage to match with the existing one.	Sq.M	184.20		

Item No.	Description of Item	Unit	Quantity	Rate (Rupees Figure & Words Rs.)	Amount (Rupees Figure & Words Rs.)
13	Supplying best Indian sheet glass panes set in putty and fitted and fixed with nails and putty complete. (In all floors for internal wall & upto 6 m height for external wall)(i) 3 mm thick.	Sq.M	349.19		



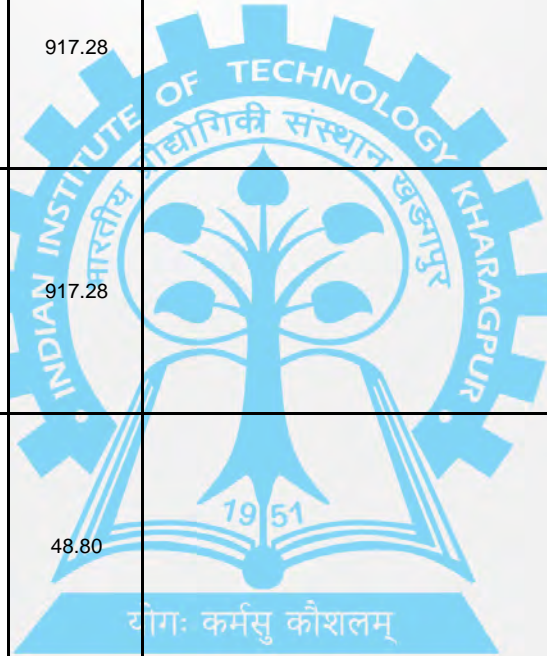
Item No.	Description of Item	Unit	Quantity	Rate (Rupees Figure & Words Rs.)	Amount (Rupees Figure & Words Rs.)
14	Supplying, fitting and fixing boiling water proof block board conforming to IS:1659- 1990 conforming to IS:848-1974 of approved make and brand, fitted and fixed as per design as per direction of Engineer-incharge.[excluding the cost of supporting frame work and teak wood batten/Lipping] (ii)19mm.	Sq.M	1471.17		
15	Partition of commercial ply as per design fitted and fixed complete (excluding the supporting framework but including necessary teak wood battens of size 40mmx 25 mm):				
	(a) 6mm thick	Sq.M	928.78		
	(b) 12mm thick	Sq.M	30.33		
16	Supplying fitting, fixing decorative lamination conforming to IS: 2046 : 1995 as per approved make, brand, finish and hickness with fitting, fixing the same on Particle/MDF /Ply Boards with recommended / approved adhesive with proper clipping the sides for better attachment as per direction of Engineer-in-charge.The rate includes the cost of labour, adhesive and all incidental charges thereof. In ground floor Glossy /Mat /Suede excluding surface texture or metallic lustre. Thickness of laminate 1 mm.	Sq.M	3665.03		
17	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, noising and drip course, scaffolding/staging where necessary (Ground floor). with 1:6 cement mortar.15 mm thick plaster.	Sq.M	500.76		

Item No.	Description of Item	Unit	Quantity	Rate (Rupees Figure & Words Rs.)	Amount (Rupees Figure & Words Rs.)
18	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.100mm. X 58mm. X 1.90mm.	Each	2901.60		
19	Anodised aluminium butt hinges of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 205/66) and fitted and fixed with cadmium plated				
	(a) 75 x 45 x 2.5mm.	Each	3475.68		
	(b) 50 x45 x 2.5mm.	Each	2196.48		
20	Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated				
	(a) 300mm long x 12mm dia. bolt.	Each	620.88		
	(b) 150mm long x 10mm dia. bolt.	Each	819.00		
	(c) 100mm long x 10mm dia. bolt.	Each	18.72		

Item No.	Description of Item	Unit	Quantity	Rate (Rupees Figure & Words Rs.)	Amount (Rupees Figure & Words Rs.)
21	Anodised aluminium Aldrop / Sliding bolts of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 2681/66) fitted and fixed. 300mm x 19mm dia. bolt.	Each	443.04		
22	Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed. With continuous plate base (Hexagonal / Round rod).				
	(a) 150 mm grip x 12 mm dia rod.	Each	1241.76		
	(b) 125 mm grip x 10 mm dia rod.	Each	1396.20		
23	Supplying, fitting & fixing Magnetic Catcher for cupboard or wardrobe etc. including steel screws in all complete. Triple Strip Vertical Type.	Each	1282.32		
24	Supplying, fitting & fixing Stainless Steel Hook including steel screws in all complete.	Each	3357.12		

Item No.	Description of Item	Unit	Quantity	Rate (Rupees Figure & Words Rs.)	Amount (Rupees Figure & Words Rs.)
25	Supplying, fitting & fixing Stainless Steel Wall Hanger of 350 mm Long With 08 Nos Hooks including steel screws in all complete.	Each	500.76		
26	Supplying, fitting & fixing Cupboard Hanger Made of Stainless Steel Tube fixed with wooden bracket at both end.450 mm long,& 25 mm dia.	Each	500.76		
27	Easing door and windows	Each	0.00		
28	Supplying,fitting & fixing granite slab 15mm to 18mm thick in floor, lobby, stair, landing and treads etc. over 20mm (avg) thick base of cement mortar (1:2) laid with white cement slurry @ 4.40Kg per Square meter before placing of granite and jointed with white cement slurry @ 2.0 Kg per square meter with necessary pigments and complete as per direction of Engineer-in-charge including cost of all materials, labours, curing and roughening of concrete surface complete.Area of each Granite slab upto 0.60 Square meter.	Sq.M	65.43		
29	Supplying, fitting and fixing bevelled edged mirror 5.5 mm thick silver red as per I.S. 3438 / 1965 together with brass C.P. hinges. 600 mm X 450 mm	Each	500.76		

Item No.	Description of Item	Unit	Quantity	Rate (Rupees Figure & Words Rs.)	Amount (Rupees Figure & Words Rs.)
30	Supplying, fitting & fixing Stainless Steel hasp & staples (safety type) for cupboard or wardrobe etc. including steel screws in all complete.115 mm.	Each	613.08		
31	Steel peg stay 300 mm long including fitting and fixing.	Each	917.28		
32	Two point nose steel handle including fitting and fixing.	Each	917.28		
33	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement,if any, in ground floor as per relevant IS codes. Pakur Variety.	Cum	48.80		
34	Providing and fixing PVC buffer with screws etc. complete.	Each	34.32		



Item No.	Description of Item	Unit	Quantity	Rate (Rupees Figure & Words Rs.)	Amount (Rupees Figure & Words Rs.)
35	Anti-termite treatment to the soil under floor with chemical emulsion by admixing chloropyrifos emulsifiable concentrate (1% concentration) with water by weight including drilling vertically 12mm. dia holes at the junction of floor and wall at 300mm. interval to reach the soil below using hand operated pressure pump to squirt chemical emulsion into the pump to squirt chemical emulsion into the holes at the rate of one litre per hole. The holes shall be sealed after operation to match with the existing floor. The entire work is to be carried out as per specification laid down in para 4.3.1.4 of code I.S.- 6313 (Part-III)-1981.	Sq.M	2830.11		
36	18 mm, to 22 mm. thick, kota stone slab set in 20 mm thick (avg) cement mortar (1:4) in floor, stair & lobby including pointing in cement slurry with admixture of pigment matching the stone shade. Including grinding & polishing as per direction of Engineer-in-charge to match with the existing work [Slurry for bedding @4.4 kg /sq.m and pointing @ 2.0 kg/sq.m and pointing @ 2.0 kg /sq.m].	Sq.M	385.94		
37	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of EIC to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer.Premium 100% Acrylic Emulsion.	Sq.M	1404.03		
38	Taking out shutter of door and window,dismantling by parts (for repair orreplacement of damaged parts), reassembling and refitting and rehangng same with old fittings but with new screws as necessary. (Where different parts of same shutter are renewed under different item,	Sq.M	74.88		
39	Supplying, fitting, Fixing brass nob for dressing table.	Each	112.32		

Item No.	Description of Item	Unit	Quantity	Rate (Rupees Figure & Words Rs.)	Amount (Rupees Figure & Words Rs.)
40	Anodised aluminium floor door stopper	Each	233.61		
41	Removal of rubbish,earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal / Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge	Cum	0.00		
Part-A (Civil Works), Total Rs. =					



Item No.	Description of Item	Unit	Quantity	Rate (Rupees Figure & Words Rs.)	Amount (Rupees Figure & Words Rs.)
Part - B, Electrical works :					
1	<p>Point wiring in PVC conduit /casing-capping /concealed or surfaced as reqd. with Modular type switches and terminating in PVC ceiling rose : Wiring for light point /fan/exhaust etc. with 2x 1.5 sq. mm. FR PVC insulated copper conductor single core cable in surface /recessed PVC conduit with modular type switch, modular plate , suitable size G.I./PVC box and earthing the point with 1x 1.5 sq. mm. FR PVC insulated cu. Conductor single core cable etc. as reqd.</p> <p>This includes disconnecting and dismantling the old items and depositing them to store.</p> <p>Note: Contractors will supply all the materials as reqd as per site condition</p> <p>Make:</p> <p>Casing capping- Precision/ Presto plast/Finolex, Cu wire- Havells/Ffinolex/Polycab/Gloster - 1.1kv grade. Switch, Ceiling Rose etc: Anchor. Modular Switch/ socket: Legrand(Myrius) / Crabtree (Thames Platinum Range) / MK.</p>	Point	1649.00		
2	<p>Circuit/sub main wiring in casing-capping surfaced as reqd. Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated cu. Conductor, single core cable in surface as reqd including supply and fixing of J.Bs and all materials.</p> <p>a) 2x2.5 sq. mm. + 1x2.5 sq. mm. earth wire This includes disconnecting and dismantling the old items and depositing them to store. Note: Contractor will supply all the materials as reqd. Make: Casing capping- Precision/ Presto plast/Finolex, Cu wire- Havells/Ffinolex/Polycab/Gloster - 1.1kv grade.</p>	Mts.	9681.00		
3	<p>Supply and Fixing of MMS PVC conduit / casing-capping of Suitable size, either in recess or in surface as instructed including drawing of existing sub-main wiring and mending good the damages to original finish and painting on wall.</p> <p>This includes disconnecting and dismantling the old items and depositing them to store.</p> <p>Make: Precision / Presto plaste / Finolex .</p>	Rmt.	2586.00		

Item No.	Description of Item	Unit	Quantity	Rate (Rupees Figure & Words Rs.)	Amount (Rupees Figure & Words Rs.)
4	Supply and fixing of modular type Surface mounted plastic box with inner outer plate, modular cover of the following sizes for fixing of switch / socket and regulator etc. with necessary connection and mending good the damages including painting. Make: Modular board and cover - Legrand (Myrius) / Crabtee (Thames platinum range) / MK.				
	a) 3 m	Each	575.00		
	b) 12 m	Each	515.00		
5	a) Supply and fixing of modular type 6 Amp one way switch on board with all connection. Make: Legrand (Myrius) / Crabtee (Thames platinum range) / MK.	Each	2045.00		
	b) Supply and fixing of modular type 16 Amp one way switch on board with all connection. Make: Legrand (Myrius) / Crabtee (Thames platinum range) / MK.	Each	575.00		
	c) Supply and fixing of modular type 6 Amp 5 pin shuttered socket on board with all connection. Make: Legrand (Myrius) / Crabtee (Thames platinum range) / MK.	Each	2045.00		

Item No.	Description of Item	Unit	Quantity	Rate (Rupees Figure & Words Rs.)	Amount (Rupees Figure & Words Rs.)
	d) Supply and fixing of modular type 6/16 Amp combined shuttered socket on board with all connection. Make: Legrand (Myrius) / Crabtree (Thames platinum range) / MK.	Each	515.00		
	e) Supply and fixing of modular type blanking plate (1M) on board with fixing. Maximum 1 no. blank plate is allowed for power board. Make: Legrand (Myrius) / Crabtree (Thames platinum range) / MK.	Each	2045.00		
	f) Supply and fixing Stepped electronic regulator (1M) on modular plate including connection. Make: Legrand (Myrius) / Crabtree (Thames platinum range) / MK.	Each	515.00		
	g) Supply and fixing of angle lamp holder. Make : SSK / ANCHOR.	Each	624.00		
6	Only fixing of Tube light fittings of all type on wall / ceiling or as desired on round wooden block and connection complete after assembling and testing, providing 3x1.5 Sq.mm. FRLS PVC insulated Cu wire. Note: Round wooden blocks and all hardware as reqd. are to be provided by the contractor. This includes disconnecting and dismantling the old items and depositing them to site store.	Each	515.00		

Item No.	Description of Item	Unit	Quantity	Rate (Rupees Figure & Words Rs.)	Amount (Rupees Figure & Words Rs.)
7	<p>Supply of pre-wired CRCA body, powder coated white Regal batten type LED TUBE FITTINGS including supplying of 22W LED Tube Light. Equivalent to Batten Code-LHFYBYPNIA1W022,HAVELLS. Lamp Type & Code-TITANIA LED 22W TUBE LIGHT & LHLDDBXNMN7Z022,HAVELLS. MAke-Havells/Syska/Philips/Cropton Note: 1. Contractor has to provide five years replacement guarantee of the total LED sets i.e for fittings, lamps, driver units etc after installation and commissioning of the units at site. 2. Labeling on each fittings and lamps with paint/permanent markers mentioning brief description of the Hall, Room no, date of installation, date of expiry of guatantee etc. is mandatory for identification and maintaining of replacement records etc. without which the contractor will not be allowed to work.</p>	Each	515.00		
8	<p>Supply of 15W, 6500K, 1500 lumen COOL DAY LIGHT pin type LED BULB. Equivalent to LUMENO 15W E27CDL BALL LAMP, CODE - LHLDEBHEML8Z015, HAVELLS MAke-Havells/Syska/Philips/Cropton Note: 1. Contractor has to provide five years replacement guarantee of the total LED sets i.e for fittings, lamps, driver units etc after installation and commissioning of the units at site. 2. Labeling on each fittings and lamps with paint/permanent markers mentioning brief description of the Hall, Room no, date of installation, date of expiry of guatantee etc. is mandatory for identification and maintaining of replacement records etc. without which the contractor will not be allowed to work.</p>	Each	500.00		
9	<p>Dismantling and refixing of ceiling fan with / without down rod and Wall fan of different sizes (36", 48", 56" etc.) on wall / ceiling after assembling the accessories and connection complete and testing, providing 3X1.5 sq.mm. FRLS PVC insulated Cu. wire inside down rod. This includes disconnecting and dismantling the old items and depositing them to site store. Note: a) Dept. will supply only the fans and down rod. b) All hardwares as reqd. are to be supplied by the contractor.</p>	Each	515.00		
Part B (Electrical Works), Total Rs. =					

Item No.	Description of Item	Unit	Quantity	Rate (Rupees Figure & Words Rs.)	Amount (Rupees Figure & Words Rs.)
Part - C, Networking Systems:					
1	Supply of single information outlet with faceplate (as per specification in item 4 of scope of work	Each	500.76		
2	Supply of PVC casing for UTP cable laying on the wall inside the room with all accessories	Mtr.	2503.80		
3	Service charge for information outlet (I/O Box) termination and fixing on the wall along with UTP cable laying (if necessary the UTP cable as per requirement will be supplied by the Department) and other works as per scope of work.	per room	500.76		

Part-C (Networking), Total Rs. =

SUMMARY OF COST	AMOUNT IN FIGURE (RS.)
PART-A: CIVIL WORKS =	
PART-B: ELECTRICAL WORKS =	
PART-C: NETWORKING SYSTEMS =	
TOTAL COST RS. =	

Rupees in Words :

Signature of the Contractor with Seal & Date

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

Tender Document for Renovation of 500 nos. Students Rooms (Single Rooms) in different Halls of Residence at IIT Kharagpur.

FORM OF TENDER

(To be filled by the Tenderer with sign & stamp and submitted within the Financial Bid envelope)

To
The Superintending Engineer (Civil)
Civil Construction & Maintenance Section
Indian Institute of Technology
Kharagpur, West Bengal

I/We, _____ Son/Daughter of Sri _____
Proprietor/Partner/CEO/MD/Director of M/s. _____ of
(Address) _____

having examined the site of works, carefully read and understood the Specifications, General Conditions of Contract and Conditions of the Tender, hereby tender and undertake to execute and complete all the works required to be performed in accordance with the Specifications, Bill of Quantities, General Conditions of Contract, the rates and prices set out in the annexed Bill of Quantities within _____ days / weeks / months from the seventh day of the date of receiving work order.

THE TOTAL AMOUNT PUT TO TENDER = Rs. _____ (Rupees
_____).

I/We have submitted Account Payee Demand Draft No. _____ dated _____ in favour of **IIT Kharagpur** payable at **Kharagpur** for Rs. _____ (Rupees _____) with the tender as **Cost of Tender Document**.

I/We have submitted Account Payee Demand Draft No. _____ dated _____ in favour of **IIT Kharagpur** payable at **Kharagpur** for Rs. _____ (Rupees _____) with the tender as **Earnest Money**.

I also declare that the information / documents furnished along with the application and tender are true and authentic to the best of my knowledge and belief. I am well aware of the fact that furnishing of any false information / fabricated document would lead to rejection of my tender / termination of contract at any stage besides liabilities towards prosecution under appropriate law. Each page of the tender document and papers submitted by my Company are authenticated, sealed and signed, and I take full responsibility for the entire documents submitted with this tender.

I/We agree that the period for which the tender shall remain open for acceptance shall not be less than **90 Days** from date of opening of tender.

Signature of the Tenderer / Authorised person

(Seal of the Tenderer)

Witness :

Name of the Tenderer _____

Signature : _____

(in Block letters)

Name : _____

Address : _____

(in block letters)

Address : _____
