



## **Notice Inviting Tender**

**Renovation & modification of Second floor ISTE building for setup  
of various Labs in West Campus at IIT Delhi.**

**Sub Head: - Civil, Electrical and A.C. Works.**

Civil	:	Rs. 61, 54,665.00
Electrical	:	Rs. 10,09,839.00
A.C. work	:	Rs. 3,60,528.00
Total	:	Rs. 75,25,032.00

**(WORKS DEPARTMENT)**

**INDIAN INSTITUTE OF TECHNOLOGY DELHI**

**HAUZ KHAS, NEW DELHI**

**INDIAN INSTITUTE OF TECHNOLOGY DELHI  
HAUZ KHAS, NEW DELHI-110016**

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**Name of work: - Renovation & modification of Second floor ISTE building for setup of various Labs in West Campus at IIT Delhi.**

**Sub Head: - Civil, Electrical and A.C. Works.**

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It is certified that this document contains three parts i.e. Part A, Part B & Part C containing page no. **1 to 72**.

**Executive Engineer (Elct.)**

**Executive Engineer (CD-III)**

NIT approved for Rs. **72,25,032/- (Rupees Seventy-Two Lakh Twenty Five Thousand Thirty Two Only)**

**Institute Engineer**

**INDIAN INSTITUTE OF TECHNOLOGY DELHI  
HAUZ KHAS, NEW DELHI-110016**

**Notice Inviting e -Tender**

**The Executive Engineer (CD-III), IIT DELHI, HAUZ KHAS, New Delhi-16 (Phone No 011-26596237)** on behalf of Board of Governors invite online **Item Rate Tender** from Firms/ Contractors Registered in appropriate class and category with CPWD, MES, BSNL, and Railways for **Civil work /Building works/ Building & Roads/Composite works** of the following work:

NIT No.	:	.....IITD/EE(CD-III)/2022-23
Name of Work	:	<b>Renovation &amp; modification of Second floor ISTE building for setup of various Labs in West Campus at IIT Delhi.</b> <b>Sub Head: - Civil, Electrical and A.C. Works.</b>
Estimated cost	:	<b>Rs. 75,25,032/-</b>
Earnest Money	:	<b>Rs. 1,50,501/-</b>
Performance Guarantee	:	<b>3% of Tendered value</b>
Security Deposit	:	<b>2.5% of Tendered Value</b>
Warranty	:	<b>1 Year for all works.</b> <b>5 Years for water proofing work.</b>
Period for completion	:	<b>02 Months</b>
Late date & time for submission of bids	:	<b>25/04/2023 upto 15.00 Hrs.</b>
Date & Time of opening of Bids	:	<b>26/04/2023 at 15.00 Hrs.</b>

The bid forms and other details can be obtained from the website [www.iitd.ac.in](http://www.iitd.ac.in) or [e-Procure.gov.in](http://e-Procure.gov.in) free of cost. For more clarification you may visit on above website.

**Executive Engineer (CD-III),  
For & on Behalf of BOG, IIT Delhi**

**Budget Head: Renovation (Research facility and Housing)/ 35.01.02(IOE) 2021/007/0080**

**Copy to: -**

1. Institute Engineer
2. Executive Engineer (CD-III) for information.
3. D.A. (Works Accounts)
4. D.R. (A/Cs) – for opening of uploaded documents **at 3:00 PM on 26/04/2023** in the office of D.R. Store
5. Notice Boards.
6. Office Copy
7. Web site Administrator, I.I.T.D.

**PART 'A'**  
**INDIAN INSTITUTE OF TECHNOLOGY DELHI**  
**HAUZ KHAS: NEW DELHI – 110016**  
**IITD/WORKS(SP-4189)/2023**

**INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING (Tender Notice)**  
The Executive Engineer (CD-III), IIT DELHI, HAUZ KHAS, New Delhi-16 (Phone No 011-26596237) on behalf of Board of Governors invite online **Item Rate Tender** from Firms/ Contractors Registered in appropriate class and category with CPWD, MES, BSNL, and Railways for **Civil work /Building works/ Building & Roads/Composite works** of the following work:

SL. No.	NIT No.	Name of Work	Estimated Cost (in Rs.)	Earnest Money (in Rs.)	Tender Fees (in Rs.)	Time for Completion
1	/IITD/EE(CD-III)/2022-23.	<b>Name of work: Renovation &amp; modification of Second floor ISTE building for setup of various Labs in West Campus at IIT Delhi. Sub Head: - Civil, Electrical and A.C. Works</b>	75,25,032/-	1,50,501/-	1000/-	<b>02 Months</b>

**Last date and time of submission of financial & Technical bid**

**: 25/04/2023 upto 3:00 pm (on line)**

**Date and time of opening of Technical bid** : 26/04/2023 at 3.00 pm (office of D.R Store) Price bids of eligible bidders as per NIT shall be opened at a later date after scrutiny of Technical bids.

1. The successful bidders shall be required to submit a performance guarantee of 3% of the tendered amount in the form of Bank Guarantee or F.D.R. from a Nationalized/Scheduled Bank within 15 days of issue of letter of intent before award of work. In case of failure by the Contractor to supply the performance guarantee within the specified period, full earnest money will be forfeited, and the tender shall be treated as void. The performance guarantee shall be initially valid up to the date of completion plus 60 (Sixty) days beyond that.
2. Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted.
  - i) Firms/Contractors must have completed satisfactorily one similar work of value not less than **Rs. 60,21,000/-** or Two similar works each of value not less than **Rs. 45,16,000/-** or three similar works each of value not less than **Rs 30,11,000/-** during last 7 years ending on previous day of last day of submission of bids.
  - ii) **Earnest money of Rs. 1,50,501/-** in the form of Banker's cheque or Demand draft or fixed deposit receipt of a schedule bank drawn in favour of **Registrar, I.I.T. Delhi**. No relaxation in EMD will be allowed for MSMEs and MSEs as per CPWD Manual.
3. Similar work means **Composite works consisting of Civil and E&M**.
4. The intending bidder must read the terms and conditions of IITD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.

5. Information and Instructions for bidders posted on website shall form part of bid document.
6. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <http://eprocure.gov.in/eprocure/app.in> free of cost.
7. Completion certificates issued by an officer not below the rank of Executive Engineer of similar works completed by the Agency.
8. Work means only work under Government/ Central Public Sector Undertaking / State Public Sector Under Central Autonomous bodies/ State Autonomous bodies/ City Development Authority/ Municipal Cooperation of City formed under any act by Central/ State Government and published in Central/ State Gazette.
9. The value of executed work 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 submission of financial bid.
10. IITD is committed to follow the principle of transparency, equity, and competitiveness in public procurement. Before submission of bid each bidder should sign integrity pact at respective places and submit the bid, if duly signed integrity pact is not submitted by bidder such bid shall not be considered.
11. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website
12. The intending bidder must have valid class-III digital signature to submit the bid.
13. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
14. Contractor can upload documents in the form of JPG format and PDF format.
15. Contractor must ensure to quote rate of each item, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).
16. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
17. In e-Tendering intending bidder can quote his rates in figures only. The rates in words against amount of each item and total is generated automatically. Therefore, the rate quoted by the bidder in figures will be taken as final.
18. The bid can only be submitted after uploading the mandatory scanned documents such as Demand Draft or Pay order or Banker`s Cheque or Deposit at call Receipt or Fixed Deposit Receipts and towards cost of EMD in favor of **Registrar IIT Delhi** to be deposited with <http://eprocure.gov.in/eprocure/app/> NEFT facility.
19. The physical EMD of the scanned copy of EMD uploaded shall be deposited by the lowest tenderer within a week after opening of financial bid failing which the tender shall be rejected.

20. The following undertaking in this regard shall be up-loaded by the intending bidders: **“the physical EMD shall be deposited by me / us with the Authority inviting the tender, in case I / we become the lowest tenderer, within a week of the opening of financial bid, otherwise, department may reject the tender and also take action to debar me / us from tendering in any form in IIT Delhi”**
21. **Copy of enlistment order and certificate of work experience and other documents as specified in the Press Notice / web notice shall be scanned and up-loaded to the e-Tendering website within the period of bid submission. However, certified / original copy of all the scanned and up-loaded documents as specified in press notice web / notice shall have to be submitted by the lowest bidder only along with physical EMD of the scanned copy of EMD uploaded within a week physically in the office of e-tendering authority and it shall be sole responsibility of lowest bidder.**
22. Online bid documents submitted by intending bidders shall be opened only of those bidders, who has deposited EMD and other documents scanned and uploaded are found in order.
23. When bids are invited in two /three stages systems and if it is desired to submit revised financial bid it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid – Not applicable.
24. **The bid submitted shall become invalid if:**
- The bidder is found ineligible if he fails to upload documents from 1 to 11 on tender notice page 6.
  - The bidder does not upload all the documents (including GST registration) as stipulated in the bid document including the undertaking about deposition of physical EMD of the scanned copy of EMD uploaded etc.
  - If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest tenderer in the office of tender opening authority.
  - The lowest bidder does not deposit physical EMD within a week of opening of tender.
  - The Bidder does not upload ESI & EPF Registration.
25. Bid validity shall be 75 days from last date of submission of bid.
26. Rate of bidders shall be considered inclusive of GST.

**List of Documents to be scanned and uploaded within the period of bid submission:**

- Demand Draft/Pay order or Banker`s Cheque /Deposit at Call Receipt/FDR of any Scheduled Bank against EMD.
- Enlistment order of contractor.
- Certificate of work experience.
- Certificate of Registration for GST and acknowledgement of up to date filed return of GST.
- Affidavit as per Notice Inviting Tender Condition **1.3 at page 7** of NIT. **(Affidavit shall be purchased/ notarized between date of publishing and last date of submission of bids beside this NIT/Tender ID and name of work must be mentioned on the affidavit).**
- Acceptance to execute INTEGRITY PACT.
- Undertaking as per ‘**Sl. No. 20 on page No. 6**’ on firm’s letter head.

**The physical EMD shall be deposited by me / us with the Authority inviting the tender, in case I / we become the lowest tenderer, within a week of the opening of financial bid, otherwise, department may reject the tender and also take action to debar me / us from tendering in any form in IIT Delhi.**

8. ESI & EPF registration.
9. FORM “F” (Duly filled with all required details).
10. Tender Fee of Rs. 1000/- in favour of IITD to be deposited in IITD Canara Bank or IITD SBI Bank & receipt copy to be scanned & uploaded in tender (technical bid) or this fees can be directly RTGS to Registrar IITD and its proof to be uploaded in technical bid
11. In case of Partnership firm if all the papers of tender not signed by all the partners than a power of attorney authorizing the person who has signed the tender paper must be uploaded with the tender documents.
12. Annexure-I (duly filled & signed by the bidders)
13. Annexure-II (duly filled & signed by the bidders)
14. Annexure-III (duly filled & signed by the bidders)

**Note: - All Documents mentioned S.N-1 to 11 are mandatory for technically qualifying and document mentioned 12 to 14 are not mandatory.**

**Executive Engineer (CD-III),  
For & on Behalf of BOG, IIT Delhi  
Hauz Khas, New Delhi-110016**

**Budget Head: Renovation (Research facility and Housing)/ 35.01.02(IOE) 2021/007/0080**

**.Copy to: -**

1. **Executive Engineer (CD-III) for information.**
2. **D.A. (Works Accounts)**
3. **D.R. (A/Cs) – for opening of tenders on 26/04/2023 at 3:00 PM in the office of D.R. Store**
4. **Notice Boards.**
5. **Office Copy**
6. **Web site Administrator, I.I.T.D**
7. **NIT: - Publicity on Website on Institute as well as on CPP portal <http://eprocure.gov.in> may be ensured as per instruction issued.**  
**E-tendering Web. <http://eprocure.gov.in/eprocure/app> or [www.iitd.ac.in](http://www.iitd.ac.in)**

**INDIAN INSTITUTE OF TECHNOLOGY DELHI**  
**HAUZ KHAS: NEW DELHI – 110016**  
**IITD-6 FOR e-TENDERING AND TERM & CONDITIONS**

Item rate tenders are invited on behalf of Board of Governors from contractors/firms engaged/ register in appropriate category having completed work in appropriate category for the **work** as per tender notice.

1. The enlistment of the contractors should be valid on the last date of submission of tenders. In case the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tenders.
- 1.1 The work is estimated to cost **as per tender notice** this estimate, however, is given merely as a rough guide.
- 1.2 Details of criteria for eligibility As Indicated in “INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e- TENDERING FORMING PART OF NIT AND TO BE POSTED ON WEBSITE”
- 1.3 To become eligible for issue of tender, the tenderer shall have to furnish an affidavit as under: -  
**I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back-to-back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering in IITD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee. (Scanned copy to be uploaded at the time of submission of bid)**
2. Agreement shall be drawn with the successful bidders on prescribed Form No. IITD - 8 (or other Standard Form as mentioned) which is available as a Govt. of India Publication. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **as per tender notice** from the date of start as defined in schedule ‘F’ or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
4. **The site for the work shall be made available in parts as and when site will be available.**
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen from the web Site <http://eprocure.gov.in/eprocure/appor iitd.ac.in> or e-procure.gov free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of tender as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of tender as notified.
8. If it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted, then the tender submitted earlier shall become invalid.
9. Earnest Money in the form of Demand Draft or Pay order or Banker`s Cheque or Deposit at Call Receipt (drawn in favour of Registrar IIT Delhi, Hauz Khas, New Delhi) as specified of any Scheduled/ Nationalized Bank and shall be scanned & uploaded to the e- tendering website within the period of tender submission or through RTGS/ NEFT with UTR details and original should be deposited by lowest bidder within a week after the opening of financial bid in office of **Executive Engineer (CD-III), IIT Delhi, Hauz Khas, New Delhi.**

A part of earnest money is acceptable in the form of bank guarantee also. In such case, 50% of earnest money or Rs. 20 lakh, whichever is less, will have to be deposited in shape prescribed above, and balance in shape of Bank Guarantee of any scheduled bank which is to be scanned and uploaded by the intending bidders.



Interested contractor who wish to participate in the bid has also to make following payments in the form of Demand Draft/Pay order or Banker's Cheque of any Scheduled Bank and to be scanned and uploaded to the e-Tendering website within the period of bid submission: <http://eprocure.gov.in/eprocure/app>.

10. The bid submitted shall become invalid if:
  - (i) The bidders are found not eligible.
  - (ii) The bidders do not upload all the documents (including GST registration/ other documents as per Tender Notice) as stipulated in the bid document.
  - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically in the office of tender opening authority.
  - (iv) The lowest bidder does not deposit physical EMD within a week of opening of tender.
11. The time & date of submission & opening of financial bid of contractors qualifying the criteria as per Tender Notice shall be communicated to them at a later date.
12. The contractor whose bid is accepted, will be required to furnish performance guarantee of 3% (Three Percent) of the tendered and accepted of the bided amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/ Demand Draft of any scheduled bank/Pay order of any Scheduled Bank of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or irrevocable Bank Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.
13. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
14. The competent authority on behalf of the Board of Governors does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.
15. Canvassing whether directly or indirectly, in connection with tenderers is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
16. The competent authority on behalf of Board of Governors reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.

17. The contractor shall not be permitted to tender for works in the IITD responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
18. No Engineer of gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as afore said before submission of the tender or engagement in the contractor's service.
19. The tender for the works shall remain open for acceptance for a period of **Seventy Five (75) days** from last date of submission of bid, if any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the retendering process of the work.
20. This notice inviting Tender shall form a part of the contract document. The successful tenderer / contractor, on acceptance of his tender by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
- (a) The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading there to.
  - (b) (b) Standard IITD Form - 8 or other Standard IITD Form as mentioned.
21. In case any discrepancy is noticed between the documents as uploaded at the time of submission of the bid online and hard copies as submitted physically in the office of Executive Engineer, then the bid submitted shall become invalid.

**Executive Engineer (CD-III)**  
**IIT Delhi, Hauz Khas**  
**New Delhi - 110016**

## **NOTICE INVITING TENDER**

### **INDIAN INSTITUTE OF TECHNOLOGY DELHI**

### **HAUZ KHAS, NEW DELHI-110016**

#### **Terms & Conditions**

Indian Institute of Technology Delhi is in the process of purchasing following item(s) as per details as given as under.

<b>Details of the item</b>	<b>As per Tender Notice</b>
<b>Earnest Money Deposit to be submitted</b>	<b>Rs. 1,50,501/-</b>
<b>Warranty</b>	<b>As per Tender Notice, NIT &amp; IITD form 8</b>
<b>Performance security</b>	<b>As per Tender Notice, NIT &amp; IITD form 8</b>

Tender Documents may be downloaded from Central Public Procurement Portal <http://eprocure.gov.in/eprocure/app>. Aspiring Bidders who have not enrolled / registered in e-procurement should enroll / register before participating through the website <http://eprocure.gov.in/eprocure/app>. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at ‘Instructions for online Bid Submission ‘.

Tenderers can access tender documents on the website (For searching in the NIC site, kindly go to Tender Search option and type ‘IIT’. Thereafter, Click on “GO” button to view all IIT Delhi tenders). Select the appropriate tender and fill them with all relevant information and submit the completed tender document online on the website <http://eprocure.gov.in/eprocure/app> as per the schedule given in the next page.

No manual bids will be accepted. All quotes (both Technical and Financial should be submitted in the E-procurement portal).

**Schedule**

Name of Organization	Indian Institute of Technology, Delhi	
Tender Type (Open/Limited/EOI/Auction/Single)	Open	
Tender Category (Services/Goods/works)	Works	
Type/Form of Contract (Work/Supply/Auction/Service/Buy/Empanelment/ Sell)	Works	
Product Category (Civil Works/Electrical Works/Fleet Management/ Computer Systems)	Civil, Electrical and A.C. works.	
Source of Fund (Institute/Project)	<b><u>Renovation (Research Facility and Housing)/ 35.01.02(IOE) (2021/007/0080)</u></b>	
Is Multi Currency Allowed	No	
Date of Issue/Publishing	18/04/2023 (15.00 Hrs)	
Document Download/Sale Start Date	18/04/2023 (15.00 Hrs)	
Document Download/Sale End Date	25/04/2023 (15.00 Hrs)	
Date for Pre-Bid Conference	Nil	
Venue of Pre-Bid Conference	---	
Last Date and Time for Uploading of Bids	25/04/2023 (15.00 Hrs)	
Date and Time of Opening of Technical Bids	26/04/2023 (15.00 Hrs)	
Tender Fee	<b>Rs. 1000/</b>	(To be paid through RTGS/NEFT. IIT Delhi Bank details are as under:- Name of the Bank A/C : Registrar IIT Delhi SBI A/C No. 10773572622 Name of the Bank : State Bank of India, IIT Delhi, Hauz Khas, New Delhi-110016 IFSC Code : SBIN0001077 MICR Code :110002156 Swift No. : SBININBB547 (This is mandatory that UTR Number is provided in the on-line quotation/bid. (Kindly refer to the UTR Column of the Declaration Sheet at Annexure-II) <b><u>or as per NIT/ Tender notice</u></b>
EMD	<b>Rs. 1,50,501/-</b>	
No. of Covers (1/2/3/4)	<b>02</b>	
Bid Validity days (180/120/90/75/60/30)	<b>75 days (From last date of Submission of bid)</b>	
Address for Communication	<b>Office of the Executive Engineer (Civil Division-III), Room No- MZ-137, Main Building, IIT Delhi, Hauz Khas, New Delhi-110016</b>	
Contact No.	<b>011-26596237</b>	
Fax No.	Nil	
Email Address	<b><a href="mailto:a26516@admin.iitd.ac.in">a26516@admin.iitd.ac.in</a></b>	

### **Instructions for Online Bid Submission:**

As per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal ([URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app)). The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <http://eprocure.gov.in/eprocure/app>

### **REGISTRATION**

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal ([URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app)) by clicking on the link “Click here to Enroll”. Enrolment on the CPP Portal is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their userID / password and the password of the DSC / eToken.

### **SEARCHING FOR TENDER DOCUMENTS**

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective ‘My Tenders’ folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

### **PREPARATION OF BIDS**

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which

the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black and white option.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

### **SUBMISSION OF BIDS**

- 1) Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidder has to select the payment option as “on-line” to pay the tender fee / EMD as applicable and enter details of the instrument. Whenever, EMD / Tender fees is sought, bidders need to pay the tender fee and EMD separately on-line through RTGS (Refer to Schedule, Page No.2).
- 4) A standard BoQ format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

OR

In some cases Financial Bids can be submitted in PDF format as well (in lieu of BOQ).

- 5) The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 6) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done.
- 7) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 8) Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of

submission of the bid with all other relevant details.

- 9) Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

### **ASSISTANCE TO BIDDERS**

1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
2. Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 1800 233 7315.

### **General Instructions to the Bidders**

- 1) The tenders will be received online through portal <http://eprocure.gov.in/eprocure/app> . In the Technical Bids, the bidders are required to upload all the documents in .pdf format
- 2) Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the company's name is a prerequisite for registration and participating in the bid submission activities through <https://eprocure.gov.in/eprocure/app>. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site <https://eprocure.gov.in/eprocure/app> under the link "Information about DSC".
- 3) Tenderer are advised to follow the instructions provided in the 'Instructions to the Tenderer for the e- submission of the bids online through the Central Public Procurement Portal for e-Procurement at <https://eprocure.gov.in/eprocure/app>

### Terms & Conditions Details

S.No.	Specification
1.	<b>Due date:</b> The tender has to be submitted on-line before the due date. The offers received after the due date and time will not be considered. No manual bids will be considered.
2.	<b>Preparation of Bids:</b> The offer/bid should be submitted in two bid systems (i.e.) Technical bid and financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items mentioned in the technical bid in the given format i.e BOQ_XXXX.  OR  Financial Bids to be submitted in Excel.  The Technical bid and the financial bid should be submitted Online.
3.	<b>EMD (if applicable):</b> As per NIT
4.	<b>Refund of EMD :-</b> As per NIT
5.	<b>Opening of the tender:</b> As per Tender Notice, NIT & IITD form 8
6.	<b>Acceptance/ Rejection of bids:</b> The competent authority of IIT Delhi reserves the right to reject any or all offers without assigning any reason.
7.	<b>Pre-qualification criteria:</b> - Mentioned in Tender notice
8.	<b>Performance Security:-</b> Mentioned in Tender notice
9.	<b>Force Majeure :-</b> As per IITD form 8
10.	<b>Risk &amp; Cost Clause :</b> As per IITD form 8
11.	<b>Delivery and Documents:</b> As per Tender Notice & NIT & IITD form 8
12.	<b>Delayed delivery:</b> As per Tender Notice & NIT & IITD form 8
13.	<b>Prices:</b> As per Tender Notice & NIT & IITD form 8
14.	<b>Progress of Work :</b> As per Tender Notice & NIT & IITD form 8
15.	<b>Inspection and Tests:</b> As per Tender Notice & NIT & IITD form 8
16.	<b>Resolution of Disputes:</b> As per Tender Notice & NIT & IITD form 8
17.	<b>Applicable Law:</b> As per Tender Notice & NIT & IITD form 8
18.	<b>Supplier Integrity :</b> As per Tender Notice & NIT & IITD form 8
19.	<b>Training :</b> As per Tender Notice & NIT & IITD form 8
20.	<b>Installation &amp; Demonstration :</b> As per Tender Notice & NIT & IITD form 8



21.	<b>Incidental services: As per Tender Notice &amp; NIT &amp; IITD form 8</b>
22.	<b>Defect liability Period : As per Tender Notice &amp; NIT &amp; IITD form 8</b>
23.	<b>Governing Language : As per Tender Notice &amp; NIT &amp; IITD form 8</b>
24.	<b>Applicable Law : As per Tender Notice &amp; NIT &amp; IITD form 8</b>
25.	<b>Notices : As per Tender Notice &amp; NIT &amp; IITD form 8</b>
26.	<b>Taxes : As per Tender Notice &amp; NIT &amp; IITD form 8</b>
27.	<b>Termination for Default : As per Tender Notice &amp; NIT &amp; IITD form 8</b>
28.	<b>Disputes and Jurisdiction: As per Tender Notice &amp; NIT &amp; IITD form 8</b>
29.	<b>Completion certificate: As per Tender Notice &amp; NIT &amp; IITD form 8</b>

**Bid Submission****Online Bid Submission:**

The Online bids (complete in all respect) must be uploaded online in two Envelops as explained below:-

<b>Bid Document – 1</b>			
(Following documents to be provided as single PDF file)			
<b>Sl. No.</b>	<b>Documents</b>	<b>Content</b>	<b>File Types</b>
1.	Technical Bid	Compliance Sheet as per Annexure – I	.PDF
2.		Organization Declaration Sheet as per Annexure – II	.PDF
3.		List of organizations/ clients where the same products have been supplied (in last two years) along with their contact number(s). (Annexure-III)	.PDF
4.		Technical supporting documents in support as per Page-6 of NIT	.PDF
<b>Bid Document – 2</b>			
<b>Sl. No.</b>	<b>TYPES</b>	<b>Content</b>	
1.	Financial Bid	Price bid should be submitted in Excel format.	.xls

**INDIAN INSTITUTE OF TECHNOLOGY, DELHI  
HAUZ KHAS, NEW DELHI -  
110016 NOTICE INVITING  
TENDER**

Item rate tenders are invited on behalf of The Board of Governors, I.I.T. Delhi, Hauz Khas, New Delhi - 16 from approved and eligible contractors of **CPWD** and those of appropriate class of **M.E.S., BSNL and Railway** dealing with **Civil work / Building work/ Building & Road / Composite works** for the work of **Renovation & modification of Second floor ISTE building for setup of various Labs in West Campus at IIT Delhi.**  
**Sub. Head: - Civil, Electrical and A.C. Works.**

1. The enlistment of the contractors should be valid on the last date of submission of tenders.

In case only the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tenders.

**1.1** The work is estimated to cost Rs. **75,25,032/-** This estimate, however, is given merely as a rough guide.

**1.1.1** The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids.

For composite bid, besides indicating the combined estimated cost put to tender, should clearly indicates the estimated cost of each component separately. The eligibility of bidders will correspond to the combined estimated cost of different components put to bid.

**1.2** Intending bidder is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:-

**Criteria of eligibility for submission of bid documents.**

**1.2.1 Criteria of eligibility for CPWD as well as non-CPWD contractors.**

Three similar works each of value not less than 40% of estimated cost or two similar work each of value not less than 60% of estimated cost or one similar work of value not less than 80% of estimated cost (rounded to nearest Rs. 1000/-) **during last 7 years ending on previous day of last day of submission of bids.**

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 **during last 7 years ending on previous day of last day of submission of bids.**

**1.2.2 To become eligible for issue of bid, the bidders shall have to furnish an affidavit as under:**

I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in I.I.T.D in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer- in-Charge shall be free to forfeit the entire amount of Performance Guarantee.

2. Agreement shall be drawn with the successful bidders on prescribed Form No. I.I.T.D 7/8 which is available as I.I.T.D. Publication. Bidders shall quote their rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **as per Tender Notice** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. **The site for the work shall be made available in parts as and when site will be available.**
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen from the web Site [www.iitd.ac.in](http://www.iitd.ac.in) or [e-procure.gov.in](http://e-procure.gov.in) free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of tender as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of tender as notified.
8. If it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the tender submitted earlier shall become invalid.  
Copy of Enlistment Order and certificate of work experience and other documents as specified in the press notice / web notice shall be scanned and uploaded to the tender website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice / web notice shall have to be submitted by the lowest bidder in the office of tendering authority.  
Online bid documents submitted by intending bidders shall be opened only of those bidders, who has deposited tender online fees with and earnest money deposit and other documents scanned and uploaded are found in order. The bid submitted shall become invalid & Tender fees shall not be refunded if:
  - (i) The bidder is found ineligible.
  - (ii) The bidder does not upload all the documents as stipulated in the bid documents.
  - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest tenderer in the office of tender opening authority.
9. The contractor whose bid is accepted will be required to furnish performance guarantee of 3% (Three Percent) of the bid amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/ Demand Draft of any scheduled bank/Pay order of any Scheduled Bank (in case guarantee amount is less than Rs.1,00,000/-) or Government Securities or Fixed Deposit Receipts or irrevocable Bank Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.

10. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and subsoil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
11. The competent authority on behalf of the Board of Governors does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidder shall be summarily rejected.
12. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable to rejection.
13. The competent authority on behalf of Board of Governors reserves to himself the right of accepting the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted.
14. The contractor shall not be permitted to bid for works in the IITD responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the IIT Delhi. Any breach of this condition by the contractor would render him liable to be debarred from bidding process in future in IIT Delhi.
15. No Engineer of gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
16. The bid for the works shall remain open for acceptance for a period of Seventy Five (75) days from the last date of submission of bid, if any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the IIT Delhi shall, without prejudice to any other right or remedy, the bidder shall be debarred for tendering in IIT Delhi for a period of one year.
17. This notice inviting bid shall form a part of the contract document. The successful bidder / contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-  
The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates

quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.

b) Standard IITD Form –7/8 or other Standard IITD Form as mentioned.

**18.** In case any discrepancy is noticed between the documents as uploaded at the time of submission of the bid online and hard copies as submitted physically in the office of Executive Engineer, then the bid submitted shall become invalid and the IIT Delhi shall without prejudice to any other right or remedy, the bidder shall be debarred for tendering in IIT Delhi for a period of one year.

**19. For Composite Bid**

**19.1 The Executive Engineer [CD-III]** shall be Engineer-in-charge of the major component and will call the bids for the composite work, Earnest Money will be fixed with respect of the combined estimate cost put to tender for the composite bid.

**19.2 The bid document will include following three components: -**

**Part A-** IITD-6, IITD-7 including schedule A to F for the major component of the work. Standard General Conditions of contract for CPWD 2020 as corrected/modified up to date.

**Part B –** General/Specific conditions, specifications and schedule of quantities applicable to major component of the work.

**Part C: -** Schedule A to F for minor component of the work I.E. (Institute Engineer/EE in-charge of major component shall also be competent authority under clause 2 and clause 5 as mentioned as schedule A to F to major components), General/ specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.

**19.3** The bidder must associate himself, with experienced agencies of the appropriate class eligible of bid for each of the minor component individually.

**19.4** The eligible bidders shall quote rate for all items of major component as well as for all items of minor component of work.

**19.5** After acceptance of the bid by Competent authority, the **EE [CD-III]** i.e Engineer in charge of the work shall issue letter of award on behalf of the Board of Governors, IIT Delhi, After the work is awarded, the main contractor will have to enter into one agreement with **EE [CD-III]** and has also to sign two or more copies of agreement. On such signed set of agreement shall be handed over to EE (Elect) in charge of minor component. EE of major component will operate part A and **EE(Elect)** in charge of minor component shall operate part B along with Part A of the agreement.

**19.6** Entire work under the scope of composite bid including major and all minor component shall be executed under one agreement.

**19.7** Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works. The Earnest Money will become part of security deposit of the major component of work.

**19.8** The main contractor has to associate agency(s) for minor component (s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency (s) to Engineer-in-charge of minor component(s) within prescribed time, Name of agency (s) to be associated shall be approved by Engineer-in-charge of minor component(s).

- 19.9** In case the main contractor to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-charge of minor component. The new agency/agencies shall also have agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.
- 19.10** **The main contractor has to enter into agreement with contractor(s) associated by him for execution of minor components(s) in case the main contractor does not have capability to execute the minor component work.** Copy of such agreement shall be submitted to **EE[E]** and **EE(CD-III)**, in charge of major and minor component. In case of change of associate contractor, the main contractor has to enter into agreement with the new contractor associated by him.
- 19.11** Running payment for the major component shall be processed by EE of major discipline to the main contractor. Running payment of minor components shall be made by EE [E], discipline of minor component directly to the main contractor.
- 19.12 A.** **The composite work shall be treated as completed when all the components of the work are complete and certified. The completion certificate of the composite work shall be recorded by Engineers-in-charge of major component after record of completion certificate of all other components.**
- 19.13 B.** **Final bill of whole work shall be finalized and paid by the EE of major component. EE (E), in charge of minor component(s) will prepare and pass the final bill for their respective component of work and pass on the same to the EE of major component for including in the final bill for composite contractor.**

<b>INTEGRITY PACT e-TENDERING</b>	<b>I.I.T.D</b>
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To,  
 .....  
 .....  
 .....

**Subject: - Work of Renovation & modification of Second floor ISTE building for setup of various Labs in West Campus at IIT Delhi. Sub Head: - Civil, Electrical and A.C. works. NIT No...../IITD/EE(CD-III)/2022-23**

Dear Sir,

It is here by declared that I.I.T.D is committed to follow the principle of transparency, equity, and competitiveness in public procurement.

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender/bid documents, failing which the tenderer / bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the I.I.T.D.

Yours faithfully

**Executive Engineer (CD-III)  
 IIT Delhi, Hauz Khas,  
 New Delhi – 110016**



<b>ACCEPTANCE TO EXECUTE INTEGRITY PACT</b>	<b>I.I.T.D</b>
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**(To be signed by bidder and upload the scanned copy)**

**To,**

**Executive Engineer (CD- III)  
IIT Delhi, Hauz Khas,  
New Delhi – 110016.**

**Subject: Renovation & modification of Second floor ISTE building for setup of various Labs in West Campus at IIT Delhi. Sub Head: - Civil, Electrical and A.C. works.**

Dear Sir,

I/We acknowledge that I.I.T.D is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender / bid documents, failing which I/We will stand disqualified from the tendering process. I/We acknowledge that **THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE** of this condition of the NIT.

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by I.I.T.D. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/bid, I.I.T.D shall have unqualified, absolute and unfettered right to disqualify the tender / bidder and reject the tender/bid in accordance with terms and conditions of the tender/bid.

Yours faithfully

(Duly authorized signatory of the Bidder)

<b>INTEGRITY PACT e-TENDERING</b>	<b>I.I.T.D</b>
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To be signed by the bidder and same signatory competent / authorized to  
sign the relevant contract on behalf of I.I.T.D.

**INTEGRITY AGREEMENT**

This Integrity Agreement is made at ..... on this ..... day of..... 20.....

**BETWEEN**

The Board of Governors, I.I.T. Delhi, Hauz Khas, New Delhi - 16 represented through Executive Engineer (E) IIT Delhi.

....., (Hereinafter referred as the(Address of Division))

**‘Principal/Owner’**, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

**AND**

.....(Name and Address of the Individual/firm/Company) through ..... (Hereinafter referred to as the (Details of duly authorized signatory) **“Bidder/Contractor”** and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns) **Preamble**

WHEREAS the Principal / Owner has floated the Tender (NIT No.....) (Hereinafter referred to as **“Tender/Bid”**) and intends to award, under laid down organizational procedure, contract for

.....

(Name of work) hereinafter referred to as the **“Contract”**.

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as **“Integrity Pact”** or **“Pact”**), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

Now, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

**Article 1: Commitment of the Principal/Owner**

1. The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:
  - (a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
  - (b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
  - (c) The Principal/Owner shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
2. If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

**Article 2: Commitment of the Bidder(s)/Contractor(s)**

1. It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
2. The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
  - (a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
  - (b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts,

**INTEGRITY PACT e-TENDERING****I.I.T.D**

Submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.

- (c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
  - (d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.
  - (e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
3. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
  4. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.
  5. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

**Article 3: Consequences of Breach**

Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:

- 1) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days' notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. **Such exclusion may be forever or for a limited period as decided by the Principal/Owner.**
- 2) **Forfeiture of EMD/Performance Guarantee/Security Deposit:** If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.
- 3) **Criminal Liability:** If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation

#### **Article 4: Previous Transgression**

- 1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
- 2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.
- 3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

#### **Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors**

- 1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Sub-contractors/sub-vendors.
- 2) The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
- 3) The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

<b>INTEGRATY PACT e-TENDERING</b>	<b>I.I.T.D</b>
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**Article 6- Duration of the Pact**

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 09 Months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.

If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, I.I.T.D

**Article 7- Other Provisions**

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is the Headquarters of the Division of the Principal/Owner, who has floated the Tender.
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
- 4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intensions.
- 5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.

**Article 8- LEGAL AND PRIOR RIGHTS**

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

.....  
(For and on behalf of Principal/Owner)  
.....

(For and on behalf of Bidder/Contractor)

WITNESSES:

1.....  
(Signature, name and address)

2. ....  
(Signature, name and address)

Place:

Date:

**BANK GUARANTEE BOND****I.I.T.D****Form of Earnest Money Deposit Bank Guarantee Bond**

WHEREAS, contractor.. .....(Name of contractor) (hereinafter called "the contractor") has submitted his tender dated (date) for the construction of(name of work) (hereinafter called "the Tender")

KNOW ALL PEOPLE by these presents that we .....(name of bank) having our registered office at.....(hereinafter called "the Bank") are bound unto.....

(Name and division of Executive Engineer) (hereinafter called "the Engineer-in-Charge") in the sum of Rs. .... (Rs. in words..... ) for which payment well and truly to be made to the said Engineer-in-Charge the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this .....day of ..... 20....

THE CONDITIONS of this obligation are:

- (1) If after tender opening the Contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;
- (2) If the contractor having been notified of the acceptance of his tender by the Engineer-in-Charge:
  - (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required;
  - OR
  - (b) fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and Instructions to contractor,
  - OR
  - (c) fails or refuses to start the work, in accordance with the provisions of the contract and Instructions to contractor,
  - OR
  - (d) fails or refuses to submit fresh Bank Guarantee of an equal amount of this Bank Guarantee, against Security Deposit after award of contract.

We undertake to pay to the Engineer-in-Charge either up to the above amount or part thereof upon receipt of his first written demand, without the Engineer-in-Charge having to substantiate his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by him is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date\*..... after the deadline for

submission of tender as such deadline is stated in the Instructions to contractor or as it may be extended by the Engineer-in-Charge, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE .....

WITNESS .....SEAL

SIGNATURE OF THE BANK

(SIGNATURE, NAME AND ADDRESS)

\*Date to be worked out on the basis of validity period of 6 months from last date of receipt of tender.

### PERFORMANCE GUARANTEE

- i. The contractor shall submit an irrevocable Performance Guarantee of **3% (Three percent)** of the tendered amount in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract agreement, (not withstanding and/or without prejudice to any other provisions in the contract) within period specified in Schedule 'F' from the date of issue of letter of acceptance. This period can be further extended by the Engineer-in-Charge up to a maximum period as specified in schedule 'F' on written request of the contractor stating the reason for delays in procuring the Performance Guarantee, to the satisfaction of the Engineer-in-Charge. This guarantee shall be in the form of Cash (in case guarantee amount is less than Rs. 10,000/-) or Deposit at Call receipt of any scheduled bank/Banker's Cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay Order of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the form annexed hereto. In case a fixed deposit receipt of any Bank is furnished by the contractor to the Government as part of the performance guarantee and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the Government to make good the deficit.
- ii. **The Performance Guarantee shall be initially valid up to the stipulated date of completion plus 60 Days** beyond that. In case the time for completion of work gets enlarged, the contractor shall get the validity of Performance Guarantee extended to cover such enlarged time for completion of work. 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.
- iii. The Engineer-in-Charge shall not make a claim under the performance guarantee except for amounts to which the BOG is entitled under the contract (not withstanding and/or without prejudice to any other provisions in the contract agreement) in the event of:
  - a. Failure by the contractor to extend the validity of the Performance Guarantee as described herein above, in which event the Engineer-in-Charge may claim the full amount of the Performance Guarantee.
  - b. Failure by the contractor to pay BOG any amount due, either as agreed by the contractor or determined under any of the Clauses/Conditions of the agreement, within 30 days of the service of notice to this effect by Engineer-in-Charge.
- iv. In the event of the contract being determined or rescinded under provision of any of the Clause/Condition of the agreement, the performance guarantee shall stand forfeited in full and shall be absolutely at the disposal of the BOG.



**FORM "F"**  
**STRUCTURE & ORGANISATION**

- v. Name & Address of the bidder
- vi. Telephone no./ Telex no./ Fax no.
- vii. Legal status of the bidder (attach copies of original document defining the legal status)
- a. An Individual
  - b. A proprietary firm
  - c. A firm in partnership
  - d. A limited company or Corporation
- viii. Particulars of registration with various Government Bodies (attach attested photocopy)  
Organization/ Place of registration and Registration No.
- 1.
  - 2.
  - 3.
- ix. Name and titles of Directors & Officers with designation to be concerned with this work  
.....  
!
- x. Designation of individuals authorized to act for the organization...  
!
- xi. Has the bidder or any constituent partner in case of partnership firm, ever abandoned the awarded work before its completion?  
If so, give name of the project and reasons for abandonment  
.....  
!
- xii. Has the bidder or any constituent partner in case of partnership firm, ever been debarred/ blacklisted for tendering in any organization at any time? If so, give details  
.....
- xiii. Past work experience in IIT Delhi will be considered in deciding the Technical bid... !

Signature of Bidder(S)

**ANNEXURE-I  
COMPLIANCE SHEET**

**TECHNICAL SPECIFICATION:**

<b>S.No.</b>	<b>Technical Bid Requirement As per Tender Notice &amp; NIT &amp; IITD form 8</b>	<b>Compliance Y/N</b>
1	Demand Draft/Pay order or Banker`s Cheque /Deposit at Call Receipt/FDR of any Scheduled Bank against EMD.	
2	Enlistment order of contractor.	
3	Certificate of work experience.	
4	Certificate of Registration for GST and acknowledgement of up to date filed return of GST.	
5	Affidavit as per Notice Inviting Tender Condition 1.3 page 7 of NIT. <b>(Affidavit shall be purchased/ notarized between date of publishing and last date of submission of bids beside this NIT/Tender ID and name of work must be mentioned on the Affidavit.)</b>	
6	Acceptance to execute INTEGRITY PACT.	
7	Undertaking as per <b>page-5/ Sl. No. 20'</b> on firm`s letter head.  <b>“the physical EMD shall be deposited by me / us with the Authority inviting the tender, in case I / we become the lowest tenderer, within a week of the opening of financial bid, otherwise, department may reject the tender and also take action to debar me / us from tendering in any form in IIT Delhi”</b>	
8	ESI & EPF registration.	
9	FORM “F” (Duly filled with all required details).	
10	Tender Fee of Rs. 1500/- to be deposited through RTGS to Registrar IIT Delhi as per detail given in schedule page-10 and its proof to be uploaded with technical bid	
11	Annexure-1 (Dully Filled & signed by the bidders)	
12	Annexure 2 (Dully Filled & signed by the bidders)	
13	Annexure 3 (Dully Filled & signed by the bidders)	
14	In case of Partnership firm if all the papers of tender not signed by all the partners than a power of attorney authorizing the person who has signed the tender paper must be uploaded with the tender documents.	
15	Any other documents given in NIT	
16	BOQ	

I have also enclosed all relevant documents in support of my claims, (as above) in the following pages.

**Signature of Bidder**

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Organization Name:** \_\_\_\_\_

**Contact No. :** \_\_\_\_\_

**<< Organization Letter Head >>  
DECLARATION SHEET**

We, \_\_\_\_\_ hereby certify that all the information and data furnished by our organization with regard to this tender specification are true and complete to the best of our knowledge. I have gone through the specification, conditions and stipulations in details and agree to comply with the requirements and intent of specification.

This is certified that our organization has been registered as per Tender Notice & NIT & IITD form 8Tender. We further certified that our organization meets all the conditions of eligibility criteria laid down in this tender document.

We, further specifically certify that our organization has not been Black Listed/De Listed or put to any Holiday by any Institutional Agency/ Govt. Department/ Public Sector Undertaking in the last three years.	NAME & ADDRESS of the Vendor/ Manufacturer / Agent
1. Phone	As per Tender Notice & NIT
2. Fax	
3. E-mail	
4. Contact Person Name	
5. Mobile Number	
6. GST Number	
7. PAN Number	
8.(In case of on-line payment of Tender Fees) UTR No. (For Tender Fee)	
9.(In case of on-line payment of EMD) UTR No. (For EMD)	

**(Signature of the Tenderer)**

**Name:**

**Seal of the Company**

## List of Govt. Organization/Deptt.

List of Government Organizations for whom the Bidder has undertaken such work As per Tender Notice & NIT & ITD form 8		
Name of the organization	Name of Contact Person	Contact No.
<b>AS PER TENDER NOTICE</b>		

Signature of

Bidder Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Organization Name: \_\_\_\_\_

Contact No. : \_\_\_\_\_

**PART-B**

INDIAN INSTITUTE OF TECHNOLOGY DELHI

HAUZ KHAS, NEW DELHI - 110016

**Item Rate Tender & Contract for Composite Work**

Tender for the work of **Renovation & modification of Second floor ISTE building for setup of various Labs in West Campus at IIT Delhi. Sub Head: - Civil, Electrical and A.C. works.**

To be submitted by **as per tender notice** to

(i) To be opened in presence of bidders who may be present at **as per tender notice**

in the office of **D.R. (Store)**

Issued to .....

Signature of officer issuing the documents .....

Designation.....

Date of Issue .....

**TENDER**

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the The Board of Governors, I.I.T. Delhi, Hauz Khas, New Delhi - 16 within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

We agree to keep the tender open for **Seventy Five (75)** days from last date of submission of bid.

A sum of **as per tender notice** is hereby forwarded in Banker Cheque or Demand Draft or Fixed Deposit receipt of a schedule bank drawn in favour of IIT Delhi as earnest money. If I/We, fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the said The Board of Governors,

I.I.T. Delhi, Hauz Khas, New Delhi - 16 or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that The Board of Governors, I.I.T. Delhi, Hauz Khas, New Delhi - 16 or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.5 of the tender form. Further, I/We agree that in case of forfeiture of Earnest Money & Performance Guarantee as aforesaid. I/We shall be debarred for participation in the re-tendering process of the work.

<b>I.I.T.D – 7/8 e-TENDERING</b>	<b>I.I.T.D</b>
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**I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in I.I.T.D in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.**

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated:

Signature of Contractor

Witness:

Postal Address

Address:

Occupation:

### ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for an on behalf of The Board of Governors, I.I.T. Delhi, Hauz Khas, New Delhi - 16 for a sum of

(Rupees...  
.....  
).

The letters referred to below shall form part of this contract agreement: -

(a)

(b)

a.

For & on behalf of Board of Governors, IIT Delhi Signature

.....

Dated:

Designation .....

**SCHEDULES (A to F)****(For Civil, Electrical and A.C. Component)****SCHEDULE 'A'**

Schedule of quantities for Civil, Electrical and A.C. Work as attached.

**SCHEDULE 'B'**

Schedule of materials to be issued to the contractor

S.No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of issue
1	2	3	4	5
-----NIL-----				

**SCHEDULE 'C'**

Tools and plants to be hired to the contractor

S.No.	Description	Hire charges per day	Place of Issue
1	2	3	4
-----NIL-----			

**SCHEDULE 'D'**

Extra schedule for specific requirement/document for the work, if any. Nil.

**SCHEDULE 'E'**

Reference to General Conditions of contract : GCC for Maintenance work 2020 for CPWD works along with correction on slips/amendments issued up to last date of submission of bid.



Name of Work	:	<b>Renovation &amp; modification of Second floor ISTE building for setup of various Labs in West Campus at IIT Delhi. Sub Head: - Civil, Electrical and A.C. works.</b>
Estimated cost of work:	:	<b>Rs. 75,25,032/-</b>
Earnest Money:	:	<b>Rs. 1,50,501/-</b>
Performance Guarantee	:	3% of tendered Value
Security deposit	:	2.5 % of tendered value

### **SCHEDULE 'F'**

#### **GENERAL RULES & DIRECTIONS:**

- |    |                                                                                                                                                 |   |                            |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------|---|----------------------------|
| 1. | Officer inviting tender                                                                                                                         | : | Executive Engineer[CD-III] |
| 2  | .Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.5 | : | See below                  |

#### **Definitions:**

- |        |                                                                                                         |   |                                                                                                                                                                                             |
|--------|---------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2(i)   | Engineer-in-Charge                                                                                      | : | Executive Engineer [CD-III]                                                                                                                                                                 |
| 2(ii)  | Accepting Authority                                                                                     | : | Institute Engineer                                                                                                                                                                          |
| 2(iii) | Percentage on cost of materials and Labour to cover all overheads and profits:                          | : | 15%                                                                                                                                                                                         |
| 2(iv)  | Standard Schedule of Rates:                                                                             | : | <b>DSR-2021 for Civil + 7% cost Index on Civil &amp; Electrical works on DSR-2022 and GST factor 1.0633 with up to date correction slip on date of submission of bid &amp; Market Rate.</b> |
| 2(v)   | Department:                                                                                             | : | <b>Works department at I.I.T Delhi</b>                                                                                                                                                      |
| 2(vi)  | . IITD Form & CPWD GCC for Maintenance work 2020, modified & Corrected up to date of submission of bid. | : |                                                                                                                                                                                             |

**Clause 1**

- (i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance : 15 days
- (ii) Maximum allowable extension with late fee @ 0.1 % per day of Performance guarantee amount beyond the period provided in (i) above, : 1 to 15 days

**Clause 2**

Authority for fixing compensation under clause 2: : Institute Engineer

**Clause 5**

Number of days from the date of issue of letter of acceptance for reckoning date of start: : 10 (Ten) days

**MILE STONE CHART**

Sl. No.	Description of mile stone (financial terms)	Period for completion from date of start in days/months	Withheld amount for non-achievement of mile stone.
1	1/8 <sup>th</sup> (of the whole work)	1/4 <sup>th</sup> (of the whole work)	In the event of not achieving the necessary progress as assessed from the running payment, 1% of the Tender value of work will be withheld for failure of each milestone.
2	3/8 <sup>th</sup> (of the whole work)	1/3 <sup>th</sup> (of the whole work)	
3	3/4 <sup>th</sup> (of the whole work)	3/4 <sup>th</sup> (of the whole work)	
4	Full	Full	

Allowed for execution of work : **02 Months**

Authority to decide:

- (i) Extension of Time : Institute Engineer
- (ii) Rescheduling of mile stones : Institute Engineer
- (iii) Shifting of Date of start in case of Delay in handing over of site : Institute Engineer

**Clause (6 or 6A) : Clause 6A**

**Clause 7**

Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment: : Minimum Rs. 20.00 Lakhs

**Clause -7A**: **As per Institute Policy**

No running account bill shall be paid for the work till the applicable labour licences, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable are submitted by the contractor to the Engineer-in-Charge.

**Clause 10A**

List of testing equipment to be provided by the contractor at site lab : **Not Applicable**

**Clause 10B**: **Not Applicable****Clause 10C**

Component of labour expressed as percent of value of work: **25%** for civil work & **15%** for Electrical work

**Clause 10CA**: **Not Applicable**

S. No.	Material Covered under this clause	Nearest Materials (other than cement, reinforcement bars and the structural steel) for which All India Wholesale Price Index to be followed	Base Price of all Materials covered under clause 10 CA* (July 2022)
1.	Cement	<b>Not Applicable</b>	
2.	Cement		
3.	Reinforcement bars		
4.	Structural steel		

**Clause 10CC**

Clause 10 CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column

**Not Applicable****Clause 11**

Specifications to be followed for execution of work :

**CPWD specifications 2019 Vol I and Vol II and CPWD Specification 2013** for Electrical works corrected slips & manufacturers Specifications upto the last date of bid submission/uploading of tender. Detailed nomenclature of items & specifications for market rate items as per Engineer-in-charge

**Clause 12**

	<b>Type of work</b>		<b>Maintenance work including works of up-gradation, aesthetic, special repair, addition/alteration</b>
12.2 & 12.5	Deviation limit beyond which clauses 12.2 & 12.5 shall apply for building work	:	100%
12.5 (I)	Deviation Limit beyond which clauses 12.2 & 12.5 shall applicable for foundation work (Except items mentioned in earthwork subhead of DSR and related items)	:	100%
12.5 (II)	Deviation Limit for Items in earth work subhead of DSR and related items	:	100%

**Clause 16**

Competent Authority for deciding reduced rates : Institute Engineer

**Clause 18**

List of mandatory machinery, tools & plants to be deployed by the contractor at site : As per requirement

**Clause 25**

Constitution of Dispute Redressal Committee (DRC)	
Chairman	NIL
Member	
Member	

**Note:** The above constitution of Dispute Redressal Committee is subject to change, for which necessary notification shall be issued by the competent authority of the department, if required.

**Clause 32**

Requirement of Technical Staff(s) & Recovery Rate

Cost of Work (Rs. In Crore)	Requirement of Technical Staff		Minimum Experience (Years)	Designation	Rate at which recovery shall be made from the Contractor in the event of not fulfilling provision of clause 32
	Qualification	Number			
More than 15 Lakh to 1.5 Cr.	Graduate Engineer or Diploma Engineer	1	2 or 5 Respectively	Project planning/ quality/ billing Engineer	Rs. 15,000/- per month per person

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.

Diploma Holder with minimum 10 years relevant experience with a reputed construction company can be treated at par with graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50 % of requirement of degree Engineer.

**Clause 38**

i)	Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2021 with up to date correction printed by C.P.W.D.	
ii)	Variations permissible on theoretical quantities	
a)	Cement:	
	For works with estimated cost put to tender not more than Rs.5 lakh.	3% plus/minus. (Three percent)
	For works with estimated cost put to tender more than Rs.5 lakh	2% plus/minus. (Two percent)
b)	Bitumen all works.	2.5% plus & only & nil on minus side
c)	Steel Reinforcement and structural steel sections for each diameter, section and category	2% plus/minus (Two percent)
d)	All other materials	
e)	Schedule for determining theoretical consumption of Brick work on the basis of DSR 2021	

### **SPECIAL CONDITIONS**

1. Non Judicial stamp paper worth Rs. 10/- (Ten Rupees only) will be submitted by contractor which will have to be signed as token of acceptance.
2. No T & P would be supplied by the Institute and contractor will have to make his own arrangement.
3. The contractors are advised to get acquainted with the proposed work including specifications & its site and additional conditions carefully before quoting. No claim of any sort shall be entertained on account of any site conditions and ignorance of specifications & additional conditions. The work shall be carried out as per the availability of site.
4. The work shall be carried out as per CPWD specifications for civil and electrical work with up – to date correction slips unless otherwise specified in the nomenclature of individual item or in the specification, additional conditions where specifications are silent, the decision of Engineer-in-Charge shall be final and binding on contractor.
5. The rates quoted by the contractor shall be taken as net and nothing extra shall be paid on any account i.e Royalty, Cartage, GST & stacking of material required at places etc. The rates for different items of work shall apply for Heights & Depths, Leads & Lifts unless otherwise specified in the agreement or specifications applicable in the agreement.
6. Any damage done by the contractor to any existing item / any part of the building during the course of execution of work shall be made good by at his own cost.
7. Articles manufactured by the reputed firms as per approved make list and as approved by Engineer-in-charge shall only be used at work.
8. The sample of material required in the work brought at site shall be submitted prior Technical specification of individual item and got approval of material from Engineer –in-Charge before use in execution of work.
9. The sample of material required for Testing shall be provided at free of cost by the contractor. Testing charges if any shall be borne by the IITD if satisfactory report and if test results are unsatisfactory than testing charges shall be deducted from bills of contractor. All other expenditure to be incurred for taking sample, conveyance, packing etc. shall be borne by the contractor.
10. The contractor shall submit a detailed program of work within 3 days of the date of award of work. The Engineer – in- Charge can modify the program and the contractors have to work accordingly.
11. The contractor shall make his own arrangement for getting the permission with respect to trucks from the Traffic Police.
12. No payment shall be made to contractor for any damage caused by the rain, snowfall or any other natural causes what so ever during the execution of work.
13. Some restrictions may be imposed by the security staff of IIT Delhi etc. on the working and or movement of labour & material. No labour camp/ huts shall be allowed in IIT Campus. The contractor shall make his own arrangement for labour huts outside the campus. However constructions of cement godown and Chowkidar’s hut in the Campus shall be permitted. The contractor shall be bound to follow all such restrictions/ instructions and nothing shall be payable on this account.
14. The contractor shall be fully responsible for the safe custody of the material issued or brought at site by him for doing the work.
15. The Malba / Garbage generated at site due to construction activities shall be removed from the site immediately & shall be disposed of by the contractor to the approved dumping site of MCD and all statutory approvals from local bodies shall be a sole responsibility of contractor.
16. The contractor shall clean the site thoroughly of scaffolding materials, rubbish, equipment’s left out of his work & dress the site around the building to the complete satisfaction of the Engineer-in-Charge before the work is treated as completed.

17. Contractor has to quote against the item of schedule of credit of material. The contractor cannot quote either minus rate or Zero rate for these items.
18. Income tax and other taxes as applicable shall be deducted from the bills of contractor.
19. 1% labour cess or as applicable will be deducted from the bills of contractor.
20. Water charges @1% and Electricity charges @0.50% of gross work done shall be deducted from bills of contractor if electricity and water provided by IIT Delhi.
21. Agency has to take proper safety major during the execution of work.
22. **GCC form 7/8 shall form part of NIT and the bidder shall go through GCC 2020 CPWD before quoting rates and the same shall be deemed to be accepted by bidder if he participates in the tender.**
23. ESI & EPF shall be reimbursed as per norms on production of original receipt of ESI & EPF from contractor specific to this work. .
24. The contractor shall submit the programme of execution of work as per clause 5 of GCC of IIT form 7/8 of NIT including list of workers to be deployed by contractor for this work.
25. Contractor shall be responsible for keeping site free of any kind of mosquito breeding. If it is found that breeding is taking place the entire responsibility shall be of contractor to bear challan etc. done by local bodies.
26. GST shall considered as inclusive in quoted rate of agency.
27. Electrical work will be executed only through the agency who is having valid electrical license and the copy of valid electrical license will be submitted before start of work
28. Specialized Work:
  - 28.1 The following works are considered as specialized work.
    - (a). Water Proofing .
    - (d) Stone cladding work.
    - (e) Aluminum work.
    - (d) Air conditioner work.
  - 28.2 The above specialized work shall be carried by specialized agencies if they have experience of :
    - (a) 03 similar work of 40% value of specialized work component of Tendered amount.
    - (b) 02 similar work of 60% value of specialized work component of Tendered amount.
    - (c) 01 similar work of 80% value of specialized work component of Tendered amount.
  - 28.3 In case agency himself has executed these work of required magnitude. He shall be treated as specialized agency.



**FORM OF WATER PROOFING WORKS GUARANTEE BOND ON STAMP PAPER**

This agreement made this.....day of two thousand...

..... between

M/s.....(hereinafter called the Guarantor of the one part) and the BOG IIT Delhi (hereinafter called the Govt. of the other part).

Whereas this agreement is supplementary to the contract (hereinafter called the Contract) dated..... made between the Guarantor of the one part and Govt. of the other part, whereby the contractor inter alia, undertook to render the Buildings and structures in the said contract recited completely water and leak proof.

And whereas the Guarantor agreed to give a guarantee to the effect that the said structure will remain waterproof for **Five years** to be reckoned from the date after the maintenance period prescribed in the contract expires.

During this period of guarantee the Guarantor shall make good all defects and for that matter, shall replace at his risk and cost such members as may be damaged by water and in case of any other defect being found he shall render the building waterproof at his cost to the satisfaction of the Engineer-in- Charge and shall commence the works of such rectification within seven days from the date of issuing notice from the Engineer-in-Charge calling upon him to rectify the defects failing which the work shall be got done by the Department by some other contractor at the Guarantor’s cost and risk and in the latter case the decision of the Engineer-in-charge as to the cost, recoverable from the Guarantor shall be final and binding.

That if the Guarantor fails to execute the waterproofing or commits breaches hereunder then the Guarantor will indemnify principal and his successors against all loss, damage, cost, expense or otherwise which may be incurred by him by reason of any default on the part of the Guarantor in performance and observance of this supplemental agreement. As to the amount of loss and/or damage and/or cost incurred by the Government the decision of the Engineer-in-charge will be final and binding on the parties.

In witness whereof of these presents have been executed by the Obligor...

..... and

by..... For and on behalf of the BOG IIT Delhi on the day, month and year first above written.

SIGNED, SEALED and delivered by OBLIGOR in presence of- 1. 2.

SIGNED for and on behalf of BOG IIT Delhi by ..... in the presence of- 1. 2.

*Blanks to be filled by Contractor/EE(CD-III)*

**LIST OF APPROVED MAKES FOR CIVIL & ELECTRICAL WORKS****A Civil Items**

S. No.	Description	Approved Makes
1	EWC Seat Covers	HINDWARE/PARRYWARE/ CERA
2	C.P Brass Fittings/ Accessories	JAQUAR, MARC, KOHLAR
3	Cement (Grey) OPC/ PPC Grade-43	ACC/ L&T/ J.K./ BIRLA/ ULTRA TECH/ VIKRAM
4	Cement (White)	J.K./ BIRLA
5	Reinforcement Steel	PRIMARY MANUFACTURERS APPROVED BY MINISTRY OF STEEL/ SECONDARY MANUFACTURER HAVING VALID BIS LICENSE (TO BE AS PER LATEST BIS PROVISIONS)
6	Structural Steel	PRIMARY MANUFACTURERS APPROVED BY MINISTRY OF STEEL/ SECONDARY MANUFACTURER HAVING VALID BIS LICENSE (TO BE AS PER LATEST BIS PROVISIONS)
7	Stainless Steel (Grade 304)	JINDAL/ SAIL/ SALEM
8	Bricks	COMMERCIALY AVAILABLE OR REQUIRED STRENGTH
9	Aluminum Sections	HINDALCO/ JINDAL/ MAHAVIR
10	Flush Doors	CENTURY/ MERINO/ DURO BOARD/ GREEN
11	Laminates	GREENLAM/ DURO/ ARCHID/ MERINO/ DECOLAM/ CENTURY
12	Glass	SAINT GOBIN/ MODI FLOAT/ ASAHI FLOAT
13	Ceramic Glazed tiles/ Border tiles	1ST QUALITY KAJARIA / NITCO/ JOHNSON/ ORIENT/ SOMANY
14	Vitrified Tiles	JOHNSON/ KAJARIA/ ORIENT/ SOMANY
15	Interlocking precast paver blocks/ Kerb Stone	HINDUSTAN TILES/ SWASTIK/ DALAL
16	Stainless Steel Hinges	JOLLY/ GARG/ AMIT/ ASI/ SUPREME
17	Stainless Steel Nuts bolts / Screws	KUNDAN/ PUJA/ ATUL/ GKW
18	Paint/ Primer/ Oil bound distemper/ Acrylic paint/ Plastic paint	1ST QUALITY PAINTS OF ASIAN/ BERGER/ NEROLAC/ SHALIMAR/ DULUX
19	Water Proof Cement Paint/ Exterior Paint	1ST QUALITY PAINTS OF ASIAN/ BERGER/ NEROLAC/ SHALIMAR/ DULUX
20	Sanitary ware (Vitreous China) (European	HINDWARE/ PARRYWARE/ CERA

	Seats, Urinals, Wash Basins, etc.)	
21	G.I. Pipes	TATA/ JINDAL(HISSAR)/ BHUSHAN/ APL APPOLO/ TT SWASTIK
22	G.I. Fittings	UNIK/ ZOLOTO/ AM
23	Stainless Steel Sink	NEELKANTH/ JAINA/ KINGSTON (COBRA)/ PRAYAG
24	Commercial Board/ Ply	MERINO/ DURO/ GREEN/ CENTURY/ KIT (SWASTIK)
25	CI Pipes/ Fittings & Manhole covers	RIF/ NECO/ BENGAL IRON WORKS/ BC/ SKF
26	CI Pipes “Class LA”	NICO/ KESORAM/ ELECTRO STEEL/ KAPILANSH
27	Floor Spring	DOORKING/ EVERITE/ SANDHU
28	Door Closer	EVERITE/ SANDHU/ HARDWIN
29	Mirror	ATUL/ MODIGUARD/ SAINT GOBAIN/ AASHI
30	Vertical Blinds	VISTA/ MAC/ MARVEL DÉCOR/ SAINT GOBAIN
31	False Ceiling	ARMSTROBG/ SAINT GOBAIN/ META WORTH
32	Water Proofing Compound	CICO/ FOSROC/ PIDILITE/ ECMAS/ ASIAN
33	Polymer Compound	CICO/ PIDILITE/ FOSROC/ ECMAS/ ASIAN
34	Particle Board	NOVA PAN/ BHUTAN BOARD/ ECO BOARD
35	Rust Remover/ Anticorrosive	FOSROC/ CICO/ PIDILITE/ ECMAS/ ASIAN
36	Crystalline Cementious Waterproofing compound	XYPEX / KRYTONE/ PENETRON
37	Tile Adhesive	PIDILITE/ FERROUSCRETE/ BALLNDURA/ CICO
38	Wall Putty	BIRLA / JK/ SARA
39	Epoxy Grout	BALLENDURA/ KERAKOLL/ FERROUSCRETE
40	PVC Water storage tank (ISI marked)	SINTEC/ UNI PLAST/ POLYWELL
41	PVC insulated water storage tank Heavy duty 4/5 layer	SINTEX/ UNI PLAST/ POLYWELL/ EURO
42	Brass Ball Valve/ Gate Valve/ Float Valve	ZOLOTO/ AM/ LEADER/ SANT
43	Aluminum Door Fittings	CLASSIC/ EVEREST/ ARGENT
44	Brass Bib/ Stop Cock	AGI/ ELITE/ SHAKTI/ SANT/ LEADER/ PRIMA
45	Thermoplastic Paint	CBM/ CMS/ S.N. INDUSTRIES
46	Plaster of Paris Putty	ADHARSHREE/ SHREE RAM/ J.K./ BIRLA
47	Rcc Pipe	LAKSHMI/ SOOD & SOOD/ JAIN & CO. / DIWAN SPUN PIPES
48	Pvc Pipe	PRAKASH/ PRINCE/ SUPREME
49	Sandwich Roof Panel (Puff Panel)	JSW, BHUSHAN, D-META
50	WPC Board And MPC Board	FLORESTA, ECOSTE, RAJ SHREE

51	WPC Door Frame	FLORESTA, ECOSTE, RAJ SHREE
52	Self Closing Hinges	HETTICH, KITCH, PLUM
53	Poly Carbonate Sheet	GE LEXAN / POLYGAL/ TUFLITE
54	Acp Panel	ALSTRONG/ ALUCOBOND/ EUROBOND/ ALUDECOR
55	Acoustic Wooden/ Fabric Paneling	ARMSTRONG/ ANUTONE/CREDENCE/ TOPAKUSTIC
56	Polyvinyl Flooring	ARMSTRONG / POLY FLOR/ TARKETT
57	Glow Stud, Solar Power Stud	ROAD STAR / 3M / DARK EYE /EVERY DENNISON
58	Wooden Flooring	VISTA/ ACTION TESA/ ARMSTRONG/ PERGO
59	Sun Control Film	3M/ GARWARE/ SAINT GOBAIN
60	Insulation	UP TWIGA LTD OR EQUIVALENT
61	Fire Door	NAVAIR/ SHAKTI/ GODREJ/ RADIANT
62	Flush Door Shutters Of Various Thickness	MERINO/ DURO/ GREEN/ CENTURY/ KIT (SWASTIK)
63	Open Cell false Ceiling	ARMSTRONG / CREDENCE / HUNTER DOUGLAS
64	Calcium Silicate False Ceiling	Aerolite / USG Boral / Ramco Hilux
64	Gypsum Board	Gyproc by Saint-Gobin / USG Boral / Armstrong
	<b>Furniture</b>	
65	Work Station	GODREJ INTERIO/ HAWORTH/ STEELCASE/ WIPRO/ FEATHERLITE/HERMAN MILLER
66	Executive Table/ Other Table	GODREJ INTERIO/ HAWORTH/ STEELCASE/ WIPRO/ FEATHERLITE/ HERMAN MILLER
67	Chair/ Audi Chair	GODREJ INTERIO/ HAWORTH/ STEELCASE/ WIPRO/ FEATHERLITE/ HERMAN MILLER
68	Lab Furniture's	KEWANEE/ WALDNER/ GODREJ/ WIPRO/ FEATHERLITE
69	Hostel Beds And Cots	ZUARI/ EVOK/ GODREJ/ WIPRO/ FEATHERLITE
70	Hospital Beds	HUNTLEY/ STRIKER/ GODREJ/ WIPRO/ FEATHERLITE
	<b>Electrical</b>	
01	MCB(10KA) & MCB DB	Legrand /Havells/ Siemens/ Standard/Crompton/ L&T / GM/ C&S
02	MCCB	Legrand /Havells/ Siemens/Crompton/ L&T / C&S/ GE Power Control
03	MCCB BOX	Legrand /Havells/ Siemens/Crompton/ L&T / C&S/ GE Power Control
04	Modular type switch/ socket, TV socket,	Havells Crabtree / L&T/ MDS/ Wipro North West/ Legrand/GM / Polycab/ Schneider
05	Steel conduit pipe and Accessories (ISI)	BEC/ AKG/ NIC
04	PVC conduit pipe and Accessories(ISI)	BEC/ AKG/ NIC
05	Junction Boxes/ MS Boxes	Havells Crabtree / Anchor / North West / Legrand
06	Bushes	PVC/ Nylon
07	FRLS PVC insulated copper conductor cable	Polycab / Finolex / Havells/ KEI
08	LED Light Fixture	Philips/ Panasonic/ Bajaj/ Wipro/ Osram/Crompton/ Havells/ Halonix
09	Ceiling Fans (Double ball bearing) & Wall Fan	Havells/ Atomberg/ Bajaj/ Usha/ Orient/ Halonix.
10	Exhaust Fan (Double Ball Bearing)	Crompton Greaves / GE / Almonard / Usha/ Havells/ Orient

11	Industrial type socket	Schneider / L&T/ ABB / Legrand
12	DLP U-PVC channel & accessories	Schneider / Legrand
13	Modular Plate & Cover Plate	Havells Crabtree / L&T/ MDS/ Wipro North West/ Legrand/GM / Polycab/ Schneider
14	Distribution Board	Legrand /Havells/ Siemens/ Standard/Crompton/ L&T / GM/ C&S
15	XLPE Alumium/ Copper conductor Armoured cable	Havells/ Gloster/ Polycab/ RR kabel/ KEI/ Universal
16	Multifunction Meter	L&T/ AE/ Universal/ ABB/ Siemens/ Kirloskar
17	Ammeter	L&T/ AE/ Universal/ ABB/ Siemens/ Kirloskar
18	Voltmeter	L&T/ AE/ Universal/ ABB/ Siemens/ Kirloskar
19	Frequency Meter	L&T/ AE/ Universal/ ABB/ Siemens/ Kirloskar
20	CT's	L&T/AE/ KAPPA/ Pragati
21	Selector Switches	L&T/AE/ KAPPA/ Pragati
22	Contractors	L&T/ GR power controls/ Crompton/ Havells/ Legrand
23	Push button & Pilor lamps	L&T/ Vishnoo/ BCH
24	LED indicating Lights	L&T/ Siemens/ Kaycee/ Crompton/ Vaishno
25	GI Pipe	Jindal Steel/ Jindal Hisar
26	DW HDPE Pipe	Reliance/ Duraline/ Hasti
27	Cat 6 LAN Cable	D-Link
28	Air conditioners	Mitsubishi/ O general/ Hitachi/ Daikin / Panasonic / blue Star / carrier / voltage / Godrej / LG

## **BID SUBMISSION**

### **ONLINE BID SUBMISSION**

The Online bids (complete in all respect) must be uploaded online in **two** Envelops as explained below: -

<b>Envelope – 1</b>			
(Following documents to be provided as single PDF file)			
<b>Sl. No.</b>	<b>Documents</b>	<b>Content</b>	<b>File Types</b>
1.	Technical Bid	Demand Draft/Pay order or Banker`s Cheque /Deposit at Call Receipt/FDR of any Scheduled Bank against EMD.	.PDF
2.		Enlistment order of contractor.	.PDF
3.		Attested certificate of work experience.	.PDF
4.		Certificate of Registration of GST and acknowledgment of up to date field return of GST.	.PDF
5.		Affidavit as per Notice Inviting Tender Condition 1.2.2 page 18 of NIT. (Affidavit shall be purchased/ notarized between date of publishing and last date of submission of bids beside this NIT/Tender ID and name of work must be mentioned on the affidavit.)	.PDF
6.		Acceptance to execute INTEGRITY PACT.	.PDF
7.		Undertaking as per on firm`s letter head.  <b>“the physical EMD shall be deposited by me / us with the Authority inviting the tender, in case I / we become the lowest tenderer, within a week of the opening of financial bid, otherwise, department may reject the tender and also take action to debar me / us from tendering in any form in IIT Delhi”</b>	.PDF
8.		ESI and EPF Registration.	PDF
9.		FORM "F" (Duly filled with all required details	.PDF
10.		Proof of tender fees	.PDF
11		In case of Partnership firm if all the papers of tender not signed by all the partners than a power of attorney authorizing the person who has signed the tender paper must be uploaded with the tender documents.	PDF
12		Annexure-I (duly filled & signed by the bidders)	PDF
13		Annexure-II (duly filled & signed by the bidders)	PDF
14		Annexure-III (duly filled & signed by the bidders)	PDF
15		Any other documents specified in NIT	PDF
<b>Envelope – 2</b>			
<b>Sl. No.</b>	<b>TYPES</b>	<b>Content</b>	
1.	Financial Bid	Price bid should be submitted in BOQ format.	.Xls

All above documents shall be as per Tender Notice.

**PART 'C'**  
**A SCHEDULE OF QUANTITY**

**Name of work: - Renovation & modification of Second floor ISTE building for setup of various Labs in West Campus at IIT Delhi.**

**Sub Head: - Civil, Electrical and A.C. Works.**

S.No	Description	Qty	Unit	Rate	Amount
<b>Sub Head :-1 (Civil Work)</b>					
1	By Mechanical Transport including loading,unloading and stacking				
1.1	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge.	132.00	cum		
2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:				
2.1	1:1½:3 (1 cement : 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	1.07	cum		
3	Centering and shuttering including strutting, propping etc. and removal of form work for :				
3.1	Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	7.10	sqm		
4	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISi, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	20.00	each		
5	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :				
5.1	300x16 mm	20.00	each		
5.2	250x16 mm	20.00	each		
6	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
6.1	300x10 mm	20.00	each		

C---NIL

I----NIL

O---NIL

EE (CD-III)

E.E. (Elct.)

JE (C)

AE (E)

6.2	250x10 mm	20.00	each		
7	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
7.1	125 mm	30.00	each		
7.2	100 mm	30.00	each		
8	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				
8.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	10.00	sqm		
9	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.				
9.1	Twin rubber stopper	30.00	each		
10	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.				
10.1	1.0 mm thick	190.08	sqm		
11	Providing and fixing cupboard shutter with 19mm thick one side decorative and other side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand including 2mm thick PVC edge banding tape with hot glue by edge bending machine etc. with auto closing spring loaded hinges (hydraulic type) etc. complete as per direction of Engineer- in-charge.(Payment of providing and fixing auto closing hinges shall be paid separately)	30.24	sqm		
12	Providing and fixing 19mm thick both side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand boxes,shelves,racks,almirah,cupboard and drawer etc. including necessary nails,screws etc. complete as per direction of Engineer-in-charge.	77.40	sqm		
13	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete.				
13.1	100mm	144.00	each		
14	Providing and fixing stainless steel soft closing spring hinges at 0 degree hinges (hydraulic type) of approved make/brand to cupboard shutters with full threaded steel screws including making necessary	114.00	each		



	recess in board and finished etc. complete as per direction of Engineer-in-charge.				
15	Providing and fixing 2mm thick 16 to 19mm wide PVC edge binding tape of approved quality for cupboard/wardrobe shutters including necessary synthetic resin hot pressed to edges on binding machine etc. complete as per directions of Engineer-in-charge.	386.40	metre		
16	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
16.1	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	518.00	kg		
17	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
17.1	Hot finished welded type tubes	2456.00	kg		
18	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	6.00	each		
19	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections ( galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x				

	0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.				
19.1	GI Metal Ceiling Lay in perforated Tegular edge global white color tiles of size 595x595 mm and 0.5 mm thick with 8 mm drop; made of GI sheet having galvanizing of 100 gms/sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC (Noise Reduction Coefficient ) of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation, and backed with a black Glass fiber acoustical fleece.	319.00	sqm		
20	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :				
20.1	Water thinnable cement primer	999.00	sqm		
21	Finishing walls with Acrylic Smooth exterior paint of required shade :				
21.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	999.00	sqm		
22	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
22.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	500.00	sqm		
23	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.	999.00	sqm		
24	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	999.00	sqm		
25	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade				
25.1	Old work (one or more coats applied @ 0.83 ltr/10 sqm).	1014.00	sqm		
26	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.				
26.1	With cement mortar 1:4 (1 cement : 4 fine sand)	100.00	sqm		
27	Dismantling 15 to 40 mm dia G.I. pipe including stacking of dismantled pipes (within 50 metres lead)	15.00	metre		

	as per direction of Engineer- in-Charge.(a) Internal Work- Exposed on wall				
28	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
28.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	1.00	cum		
29	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.	0.16	cum		
30	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
30.1	In cement mortar	1.00	cum		
31	Dismantling dressed stone work ashlar face stone work, marble work or precast concrete work manually/ by mechanical means including stacking of serviceable and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge :				
31.1	In cement mortar	2.00	cum		
32	Demolishing brick tile covering in terracing including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	298.00	sqm		
33	Demolishing mud phaska in terracing and disposal of material within 50 metres lead.	39.00	cum		
34	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	321.00	sqm		
35	Providing and fixing white vitreous china pedestal type water closet(European type W.C. pan) with seat and lid, 10 litre low level whiteP.V.C. flushing cistern, including flush pipe, with manually controlleddevice (handle lever), conforming to IS : 7231, with all fittings andfixtures complete, including cutting and making good the walls andfloors wherever required :				
35.1	W.C. pan with ISI marked white solid plastic seat and lid	1.00	each		
36	Providing and fixing white vitreous china flat back half stall urinal ofsize 580x380x350 mm with white PVC automatic flushing cistern,with fittings, standard size C.P. brass flush pipe, spreaders withunions and clamps (all in C.P. brass) with waste fitting as per IS :2556, C.I. trap with outlet grating and other couplings in C.P. brass,including painting of fittings and cutting and making good the wallsand floors wherever required :				

36.1	Single half stall urinal with 5 litre P.V.C. automaticflushing cistern	1.00	each		
37	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brasspillar taps, 32 mm C.P. brass waste of standard pattern, includingpainting of fittings and brackets, cutting and making good the wallswherever require:				
37.1	White Vitreous China Flat back wash basin size 450x300 mm with single 15mm C.P. brass pillar tap	1.00	each		
38	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto1 metre long with S.S. triangular plate to European type W.C. ofquality and make as approved by Engineer - in - charge.	1.00	each		
39	Providing and fixing 600x450 mm beveled edge mirror of superiorglass (of approved quality) complete with 6 mm thick hard boardground fixed to wooden cleats with C.P. brass screws and washerscomplete.	2.00	each		
40	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :				
40.1	15 mm dia nominal bore	20.00	metre		
41	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
41.1	15 mm nominal bore	2.00	each		
42	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
42.1	15mm nominal bore	4.00	each		
43	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
43.1	For fixed portion				
43.1.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	1855.00	kg		
43.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever				

	required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
43.2.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	909.00	kg		
44	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.				
44.1	Pre-laminated particle board with decorative lamination on both sides	379.00	sqm		
45	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				
45.1	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	379.00	sqm		
46	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.				
46.1	With stainless steel cover plate minimum 1.25 mm thickness	15.00	each		
47	Providing and fixing aluminium round shape handle of outer dia 100 mm with SS screws etc. complete as per direction of Engineer-in-charge				
47.1	Powder coated minimum thickness 50 micron aluminium	10.00	each		
48	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound				

	conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand ) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer- in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test.“All above operations to be done in order and as directed and specified by the Engineer-in-Charge :				
48.1	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	298.00	sqm		
49	Grading roof for water proofing treatment with				
49.1	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	3.00	cum		
50	Providing and fixing 6mm thick both side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand boxes,shelves,racks,almirah,cupboard and drawer etc. including necessary nails,screws etc. complete as per direction of Engineer-in-charge.	91.00	Sqm		
51	Providing and fixing C.P. Health Faucet with 1 Mtr long tube & Hook complete as per the direction of Engineer in-charge. (Make - Jaquar (Fusion series)/ Roca- (Victoria Series) or equivalent of Kohler)	1.00	Each		
52	Providing and fixing roller blinds, the fabric should be screen openness of 5% and composition of 75% PVC 25% polyester with fabric weight of 465 GSM with fire resistance grade of NSPA 701, BS 586 part-II with anodized aluminium channel weight, bracket and hangers etc. the fabric will be approved colour and shed of approved manufacturer complete. Make (VISTA/MAC/Marvel)	32.00	Sqm		
53	Providing and fixing self adhesive frosted/decorative film/suncontrol film on glass partition and glass door and window of approved design and make complete as per direction of Engineer-in-Charge.	57.00	Sqm		

54	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	20.00	per bag of cement of 50 kg		
55	Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in-charge.	4.00	each		
56	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	4000.00	per litre		
57	Providing and fixing sliding arrangement in racks/cupboards/cabinets shutter by with stainless steel rollers to run inside C or E aluminium channel section (The payment of C or E channel shall be made separately)	25.00	each		
58	Providing and fixing of external wall system on Light gauge steel frame work with outer face cement boards as per standard sizes fixed with self- drilling / taping screws / fasteners @ 60cm c/c of approved make. A groove of 2 mm to 3mm shall be maintained and grooves shall be sealed with silicon based sealant. The board shall be fixed in a staggered pattern. Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick or 8 to 10 gauge of length varying from 25 to 45 mm and. Internal face 12.5 mm thick gypsum plaster board fixed on cement board as per standard sizes fixed with self- drilling / taping screws / fasteners @ 60cm c/c of approved make, proper taping and jointing to be done using fiber mesh tape and epoxy and acrylic based jointing compound for seamless finish.(cost of frame work to be paid for separately)				
58.1	Outer face- Outer face having 6mm thick fiber cement board Type A, Category-IV as per IS:14862:2000 fixed on 9mm thick fiber cement board, Type A, Category-IV as per IS:14862:2000 (high pressure steam cured) Inner Face- 12.5 mm thick gypsum plaster board conforming to IS 2095:2011 fixed on 8 mm thick fibre cement board of Type B, Category-III conforming to IS:14862:2000 (High pressure steam cured)	33.35	sqm		
<b>Sub Head :-2 (Electrical Work )</b>					
59	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point				

	with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
59.1	Group C	25.00	Point		
60	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	150.00	Metre		
61	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 2 Nos. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	130.00	Metre		
62	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.				
62.1	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	80.00	Metre		
62.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	100.00	Metre		
62.3	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	20.00	Metre		
62.4	4 X 2.5 sq. mm + 2 X 2.5 sq. mm earth wire	30.00	Metre		
63	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
63.1	3 x 2.5 sq. mm	100.00	Metre		
63.2	3 x 4 sq. mm	100.00	Metre		
63.3	6 x 4 sq. mm	50.00	Metre		
64	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				
64.1	2 Pair	80.00	Metre		
65	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.				
65.1	25 mm	40.00	Metre		
65.2	32 mm	40.00	Metre		
66	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
66.1	20 mm	50.00	Metre		
66.2	25 mm	30.00	Metre		
67	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
67.1	5/6 A switch	52.00	Each		
67.2	2 way 5/6 A switch	4.00	Each		



67.3	15/16 A switch	52.00	Each		
67.4	3 pin 5/6 A socket outlet	52.00	Each		
67.5	6 pin 15/16 A socket outlet	52.00	Each		
67.6	Telephone socket outlet	4.00	Each		
68	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	4.00	Each		
69	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	10.00	Each		
70	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				
70.1	1 or 2 Module (75mmX75mm)	8.00	Each		
70.2	3 Module (100mmX75mm)	40.00	Each		
70.3	6 Module (200mmX75mm)	20.00	Each		
70.4	8 Module (125mmX125mm)	4.00	Each		
70.5	12 Module (200mmX150mm)	4.00	Each		
71	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	10.00	Each		
72	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required.				
72.1	1 run of cable	100.00	Metre		
73	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.				
73.1	Group C	10.00	Point		
74	Providing and fixing following rating and breaking capacity 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.				
74.1	100 A, 16 KA, TPMCCB	1.00	Each		
74.2	125 A, 16 KA, TPMCCB	1.00	Each		
75	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
75.1	8 way , Double door	1.00	Each		
75.2	12 way , Double door	1.00	Each		
76	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MOB distribution board of sheet steel, dust protected, duly				

	powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer ) as required . (Note : Vertical type MOB TPDB is normally used where 3 phase outlets are required.)				
76.1	12 way (4 + 36), Double door	1.00	Each		
77	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MOB DB complete with connections, testing and commissioning etc. as required.				
77.1	Single pole	47.00	Each		
77.2	Double pole	4.00	Each		
77.3	Triple pole	3.00	Each		
78	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
78.1	40A	1.00	Each		
78.2	63A	1.00	Each		
79	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 25/32 A 240 V "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	4.00	Each		
80	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 A "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	5.00	Each		
81	Supplying and fixing Cable End Box (Loose Wire Box) suitable for following single pole and neutral, sheet steel, MCB distribution board, 240 Volts, on surface/ recess, complete with testing and commissioning etc. as required.				
81.1	For 8 way, Double door SPN MCBDB	2.00	Each		
82	Supplying and fixing Cable End Box (Loose Wire Box) suitable for following triple pole and neutral, sheet steel, MCB distribution board, 415 Volts, on surface/ recess, complete with testing and commissioning etc.as required.				
82.1	For 8 way, Double door TPN MCBDB	1.00	Each		
83	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	1.00	Each		
84	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing	2.00	Set		

	masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.				
85	Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm)	20.00	Metre		
86	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	20.00	Metre		
87	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	30.00	Metre		
88	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	30.00	Metre		
89	Providing and fixing 6 SWG dia GI. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ subnain wiring/ cable as required.	140.00	Metre		
90	Providing and fixing earth bus of 50 mm X 5 mm copper strip on surface for connections etc. as required.	0.5	Metre		
91	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
91.1	3.5 X 50 sq. mm (35mm)	2.00	Each		
91.2	4 X 16 sq. mm (28mm)	4.00	Each		
92	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLOC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min , 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	6.00	Each		
93	LED Light Fixtures				
93.1	Supplying and installation of Surface mounting LED batten for T8 LED retro fit Lamp with 20 Watt LED tube light single side connection complete fixture with following features:- Suitable for operating voltage and frequency: 130-300 V.a.c, 50 Hz.; wattage 20 Watts; Length 1200mm(+/-6%); Output lumens	6.00	Each		

	not less than 2000 lm; CCT 6500K; Nominal surge protection 2.5 kV; Power factor not less than 0.9, IP 54. Length 4 feet.;				
93.2	Supplying and installation of Recess/ Surface mounting LED luminaire equipped with CRCA powder coating housing, anti glare polycarbonate diffuser with energy efficient electronic driver with following features:- Suitable for operating voltage and frequency: 130-300 Va.c, 50 Hz.; wattage not more than 36 Watts; Output lumens not less than 3300 lm; CCT 6000K; Dimension in mm (595X595); Nominal surge protection 2.5 kV; Power factor not less than 0.9; Minimum IP protection 20	20.00	Each		
93.3	Supplying and installation of Recess/Surface mounting round LED luminaire equipped with die-cast aluminium / CRCA housing, anti glare polycarbonate diffuser with energy efficient electronic driver with following features:- Suitable for operating voltage and frequency: 130-300 Va.c, 50 Hz.; wattage not more than 12 Watts; Output lumens not less than 650 lm; CCT 6000K; Nominal surge protection 2.5 kV; Power factor not less than 0.9; Minimum IP protection 54	10.00	Each		
94	Providing and fixing DLP plastic trunking of size 105 mm x 50 mm on surface as reqd.[Make Legrand]				
94.1	PVC trunking without cover of size 105 x 50 mm size	50.00	Metre		
94.2	PVC trunking full cover of size 85 mm size	50.00	Metre		
94.3	PVC trunking Left or right End cap	10.00	Each		
94.4	PVC trunking Internal angle adjustable from 80°-100°	5.00	Each		
94.5	PVC trunking External angle adjustable from 60°-120	6.00	Each		
94.6	PVC trunking 90° Flat angle	6.00	Each		
94.7	PVC trunking Cover joint for 85 mm width	6.00	Each		
94.8	PVC trunking base/body joint	6.00	Each		
94.9	6/8 Modules clip on frame with finishing plate for 85 mm cover	30.00	Each		
94.10	Modular 5/6 amps switch on the existing modular plate & switch box / channel including connection	30.00	Each		
94.11	Modular 5/6 amps socket on the existing modular plate & switch box including connection.	30.00	Each		
94.12	Modular 16A/20 amps switch on the existing modular plate & switch box / channel including connection	30.00	Each		
94.13	Modular 6/16 amps multi socket on the existing modular plate & switch box including connection.	30.00	Each		
94.14	RJ45 Connector	5.00	Each		
95	Supplying, installation DLP mini- trunking 32mm x 20mm with independent cover etc. complete as reqd.[Make Legrand]				
95.1	PVC mini trunking with independent cover of size 32mm x 20mm size.	20.00	Metre		
95.2	PVC mini trunking End cap left or right.	5.00	Metre		

95.3	PVC mini trunking Internal/ External angle from 60°-120°	5.00	Each		
95.4	PVC mini trunking Flat angle from 85°-95°	5.00	Each		
95.5	PVC mini trunking Flat junction	5.00	Each		
96	Dismantling/ Disconnecting old damages services.				
96.1	Dismantling, disconnecting old damaged unserviceable fl fitting/ exhaust fan/ ceiling fan/ bulkhead fitting with bracket etc. as reqd.	10.00	Each		
96.2	Dismantling of switch / socket /regulator etc. with wooden board as reqd.	10.00	Each		
96.3	Dismantling damaged DB/TPN Switches/ loose wire boxes along with all accessories as required.	1.00	Each		
97	Supplying and laying of PVC insulated, PVC sheathed XLPE aluminium conductor armored cable of Following size, 1.1 KV grade, direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required. etc. as required [conforming to I.S-1554/1/8]				
97.1	4 X 16 sq. mm	1.00	Metre		
97.2	3½ X 50 sq. mm	1.00	Metre		
98	Supplying and laying of PVC insulated, PVC sheathed XLPE aluminium conductor armored cable of Following size, 1.1 KV grade in the existing RCC/ HUME/ METAL pipe as required. [conforming to I.S-1554/1/8].				
98.1	4 X 16 sq. mm	2.00	Metre		
98.2	3½ X 50 sq. mm	2.00	Metre		
99	supplying and laying and Fixing of PVC insulated, PVC sheathed XLPE aluminium conductor armored cable of Following size, 1.1 KV grade on wall surface as required.Upto 35 sq. mm (clamped with 1 mm thick saddle)Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm [conforming to I.S-1554/1/8].				
99.1	4 X 16 sq. mm	20.00	Metre		
99.2	3½ X 50 sq. mm	50.00	Metre		
100	Fans.				
100.1	Supplying and fixing of 450mm Wall mount fan complete with all accessories for use on 220/240 volts 50 HZ, single phase A/C Supply including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor single/ multi core cable etc as reqd	2.00	Each		
100.2	Supplying and fixing of 250 mm size fresh air fan complete with suitable size louvers with all accessories suitable for use on 230 V , 50 Hz supply in the existing opening, including making good the damage , connection, testing and commissioning etc. as required.as required	3.00	Each		
100.3	Supplying and fixing of 250 mm size exhaust fan complete with suitable size louvers with all accessories suitable for use on 230 V , 50 Hz supply in the existing opening, including connection with 1.5	2.00	Each		

	sq. mm FRLS PVC insulated, copper conductor single/ multi core cable and making good the damage , testing and commissioning etc. as required.				
101	Supply and installation of SS enclosure duly powder Coated paint for housing incoming MCCB 4P, of appropriate size with incoming and outgoing opening, suitable to accommodate upto 70sqmm, 3.5 core aluminium armoured cable,with louvers for heat dissipation and mounting hole for easy wall mounting. (matter: AC / Normal / Emergency Power) etc. as required	1.00	Each		
<b>Sub Head :-3 (Air Conditioning Work )</b>					
102	Supply, Installation, Testing and Commissioning of following capacity <b><u>Split type Air Conditioner unit for cooling</u></b> comprising factory built evaporator and condenser unit with remote controller with battery, as per following specifications: <b><u>Star Rating: 5 Star; Compressor: Rotary type inverter inbuilt for variable speed operation; Refrigerant: Ecofriendly; Material of evaporator &amp; Condenser : Copper; Suitable for operation on 230 volt, 50Hz, ac supply; warranty of machine: not less than 1 year; warranty of compressor: not less than 5 years. The work shall include making suitable opening in the wall / glass for drawing of refrigerant pipes, power connections to indoor and outdoor units, sealing the holes properly on the wall, mending good the damages, etc. including supplying and fixing of prototype adjustable readymade stand made of steel for resting condenser unit either on flat surface or on wall [as per site requirement - either floor mounted or wall mounted], having adequate strength for carrying load of condenser unit, duly prepainted with anticorrosive paint, nuts, bolts, fasteners, grouting / properly securing from accidental fall, fasteners, etc. complete as required. (Note: cost of refrigerant pipes and power chord are not included) [Acceptable make of AC: Mitsubishi / O General / Hitachi / Panasonic / Blue Star / Carrier / Voltas / Vester / Godrej / Daikin / LG]</u></b>				
102.1	Rated cooling capacity: 1.5 TR (not less than 5250 watt)	4.00	Each		
103	Supply, Installation, Testing and Commissioning of following capacity <b><u>Window type Air Conditioner</u></b> unit comprising factory built evaporator and condenser unit with remote controller with battery, in the existing window, properly sealing the gap of window with insulation, complete with electrical connections etc. anti vibration pad as required for installation as per following specification: <b><u>Star Rating: 5 Star; Compressor: Rotary type inverter inbuilt for variable speed operation; Refrigerant: Ecofriendly; Material of evaporator &amp; Condenser :</u></b>				

	Copper; Suitable for operation on 230 volt, 50Hz, ac supply; warranty of machine: not less than 1 year; warranty of compressor: not less than 5 years [Acceptable make: Mitsubishi / O General / Hitachi / Panasonic / Blue Star / Carrier / Voltas / Vester / Godrej / Daikin / LG]				
103.1	Rated cooling capacity: 1.5 TR (not less than 5250 watt)	2.00	Each		
104	Supplying and laying ISI marked <b>25 mm dia pvc pipe</b> (flexible & braided type) for drain line, including providing insulation wherever necessary, proper saddling, etc. complete as required. (Acceptable make: Astral / Supreme / Finolex / Prince / Savera / Ashirvad / Apollo)	30.00	Metre		
105	Supplying and laying of ISI marked FRLS <b>4 core x 2.5 sqmm</b> PVC insulated industrial flexible copper conductor cable of 1.1 kV grade conforming to IS 694:2010 including making connections etc. as required. (Acceptable make: Havells / Finolex / Polycab / RR Kabel / KEI / Sterlite / Shilpi / Anchor / Universal)	90.00	Metre		
106	Supplying and <b>charging of refrigerant</b> (R-32 / R407 / R410) as applicable for AC unit for topping up where pipe lines are lengthy etc. as required.	1.00	Kg		
107	Supplying and fixing of 10 mm thick <b>wooden board</b> of suitable size for fixing of indoor unit of split AC on aluminium channel including making holes, providing screws etc. as required.	4.00	Nos.		
	<b>Total cost of Non-DSR items</b>				
108	Supply, Installation, testing and commissioning including vaccumiazation and nitrogen testing of following nominal sizes of <b>copper refrigerant piping</b> for split AC unit, complete with fittings, with suitable adjustable ring type hanger supports (wherever required), including accessories, as per specifications etc. as required : NOTE: (1)In copper piping and piping circuit joints are not allowed [Acceptable make of copper pipes : Uniflow / Manibhadra / Ganpati / Mexflow / Mandev / Indigo / Godrej / Visiaro) Acceptable make of tubular insulation: Visiaro / Marshland / Avi Global / Armaflex / Aajjo / Dynamic / Uttam]				
108.1	6.4 mm (1/4 inch) dia (OD) (soft drawn) with with nitrile rubber tube (foam) insulation of not less than 9 mm thick	40.00	Metre		
108.2	12.7 mm (1/2 inch) dia (OD) (soft drawn) with with nitrile rubber tube (foam) insulation of not less than 9 mm thick	30.00	Metre		
108.3	15.86 mm (5/8 inch) dia (OD) (soft drawn) with with nitrile rubber tube (foam) insulation of not less than 9 mm thick	10.00	Metre		
109	Supplying and laying of ISI marked medium class <b>PVC pipe of 25 mm dia</b> for draining of sweated	30.00	Metre		

	water from AC evaporator unit including providing tee, joints, elbows, insulation wherever necessary etc. complete as required. (Acceptable make: Astral / Supreme / Finolex / Prince / Savera / Ashirvad / Apollo)				
<b>110</b>	<b>GI TRAY SUPPORT</b> : Supplying and installing following size of perforated Hot Dipped Galvanised Iron Cable tray (galvanisation thickness not less than 50 microns) with perforation not more than 17.5% in convenient sections, joined with connectors, suspended / supported from the ceiling / wall with GI suspenders including GI bolts and nuts, GI C-Channels, etc. as required. Size: 100 mm width X 50 mm depth X 1.6 mm thickness	5.00	Metre		
<b>111</b>	Supplying and fixing <b>DP sheet steel enclosure</b> on surface/ recess along with 16/20 A 240 V "C" curve DP MCB complete with connections, testing and commissioning etc. as required. (for supplying of power to AC units) (Acceptable make: Havells / C&S / L&T / ABB / Standard / GM / Legrand / Schneider / Siemens)	6.00	Each		
	<b>Total</b>				

1. No labour huts shall be allowed in IIT Campus and nothing shall be paid extra on this account.
2. The contractor must visit the site of work /buildings before quoting the rates.
3. No labour to stay in IIT Campus nothing shall be paid extra on this account.
4. Site shall be available as per directions of Engineer in Charge.
5. Quoted rates of participating agencies shall be inclusive of GST.