Notice Inviting Tender

Renovation and modification works in various labs / Committee rooms in academic area at IIT Delhi during the year of 2026-2027 (Phase-I).
Sub Head: - Civil and Electrical Works.

Civil work amount	**: Rs. 3,11,25,760/-**
Electrical Work amount	**: Rs. 1,74,08,147/-**
Total Amount	**: Rs. 4,85,33,907/-**

(WORKS DEPARTMENT)

INDIAN INSTITUTE OF TECHNOLOGY DELHI

HAUZ KHAS, NEW DELHI

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

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Name of work: - Renovation and modification works in various labs / Committee rooms in academic area at IIT Delhi during the year of 2026-2027 (Phase-I).
Sub Head: - Civil and Electrical 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 92.**

EE (CD-III) **EE (ED-I)**

NIT approved for **Rs. 4,85,33,907/- (Rupees Four Crore Eighty Five Lakh Thirty Three Thousand Nine Hundred Seven Only)**

Institute Engineer

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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)/2026-27**
Name of Work	:	**Renovation and modification works in various labs / Committee rooms in academic area at IIT Delhi during the year of 2026-2027 (Phase-I)** **Sub Head: - Civil and Electrical Works.**
Estimated cost	:	**Rs. 4,85,33,907/-**
Earnest Money	:	**Rs. 9,70,679/-**
Performance Guarantee	:	**a) 5% of tendered Value or Estimated Cost Put to Tender (ECPT) (whichever is higher)** **b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above , shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.**
Security Deposit	:	**2.5% of gross work done, limited to maximum up to tender value.**
Warranty	:	**1 Year for all Civil and Electrical Works.** **5 years for lighting fixture.**
Period for completion	:	**18 Months**
Last date & time for submission of bids	:	**27/ 11 /2026 upto 15.00 Hrs.**
Date & Time of opening of Bids	:	**30/ 11 /2026 at 15.00 Hrs.**

The bid forms and other details can be obtained from the website **www.iitd.ac.in or 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: Rehabilitation/ Renovation (Furniture and Fixtures) 35.04.01 / (2021/007/0766)

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 30/11/2026** in the office of D.R. Store
5. Notice Boards.
6. Office Copy
7. Web site Administrator, I.I.T.D.

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PART 'A'

INDIAN INSTITUTE OF TECHNOLOGY DELHI
HAUZ KHAS: NEW DELHI – 110016
IITD/WORKS (SP-5466) /2026

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.)	Time for Completion
1	/IITD/EE(CD-III)/2026-27.	**Name of work: Renovation and modification works in various labs / Committee rooms in academic area at IIT Delhi during the year of 2026-2027 (Phase-I) Sub Head: - Civil and Electrical Works.**	**4,85,33,907/-**	**9,70,679/-**	**18 Months**

Last date and time of submission of financial & Technical bid : 27/11/2026 upto 3:00 pm (online)

Date and time of opening of Technical bid : 30/11/2026 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 (a) 5% of tendered Value or Estimated Cost Put to Tender (ECPT) (whichever is higher). (b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT** and the tendered amount in the form of Bank Guarantee or F.D.R. from a Nationalized/Scheduled Bank within 1**5** 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 **180 (One Eighty) 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. 3,88,28,000/-**or Two similar works each of value not less than **Rs. 2,91,21,000/-**or three similar works each of value not less than **Rs 1,94,14,000/-** during last 7 years ending on previous day of last day of submission of bids.

ii) **Earnest money of Rs. 9,70,679/-**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 work 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 on previous day of last day of submission of bids.

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 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 uploaded 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:

(a) The bidder is found ineligible if he fails to upload documents from 1 to 10 on tender notice page 6.

(b) 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.

(c) 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.

(d) The lowest bidder does not deposit physical EMD within a week of opening of tender.

(e) 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:

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 on Rs. 100/- Non judicial Stamp paper as per Notice Inviting Tender Condition 1.3 at page 8 of NIT. (Stamp Paper 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).**
6. Acceptance to execute INTEGRITY PACT.
7. Undertaking as per **'Sl. No. 20 on page No. 5'** 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. 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.
11. Annexure-I (duly filled & signed by the bidders)
12. Annexure-II (duly filled & signed by the bidders)
13. Annexure-III (duly filled & signed by the bidders)

Note: - All Documents mentioned S.N-1 to 10 are mandatory for technically qualifying and document mentioned 11 to 13 are not mandatory.

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

Budget Head: Rehabilitation/ Renovation (Furniture and Fixtures) 35.04.01 / (2021/007/0766)

Copy to: -

1. **Executive Engineer (CD-III) for information.**
2. **D.A. (Works Accounts)**
3. **D.R. (A/Cs) – for opening of tenders on 30/11/2026 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.**
8. **E-tendering Web.** http://eprocure.gov.in/eprocure/app or wwww.iitd.ac.in

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INDIAN INSTITUTE OF TECHNOLOGY DELHI
HAUZ KHAS: NEW DELHI – 110016
IITD-6 FOR e-TENDERING ANDTERM&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:
    (a) The bidder is found ineligible if he fails to upload documents from 1 to 10 on tender notice page 6.
    (b) 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.
    (c) 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.
    (d) The lowest bidder does not deposit physical EMD within a week of opening of tender.
    (e) The Bidder does not upload ESI & EPF Registration.

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 5 % (Five 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. 10688/-) 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 thereto.

    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.

Details of the item	**As per Tender Notice**
Earnest Money Deposit to be submitted	**Rs. 9,70,679/-**
Warranty	**As per Tender Notice, NIT & IITD form 8**
Performance security	**As per Tender Notice, NIT & IITD form 8**

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 and Electrical Works/Electrical Works/Fleet Management/ Computer Systems)		Civil and Electrical Works.
Source of Fund (Institute/Project)		**Rehabilitation/ Renovation (Furniture and Fixtures) 35.04.01 / (2021/007/0766)**
Is Multi Currency Allowed		No
Date of Issue/Publishing		19/11/2026 (15.00 Hrs)
Document Download/Sale Start Date		19/11/2026 (15.00 Hrs)
Document Download/Sale End Date		27/11/2026 (15.00 Hrs)
Date for Pre-Bid Conference		**Nil**
Venue of Pre-Bid Conference		---
Last Date and Time for Uploading of Bids		27/11/2026 (15.00 Hrs)
Date and Time of Opening of Technical Bids		30/11/2026 (15.00 Hrs)
Tender Fee	**NIL**	(To be paid through RTGS/NEFT/Offline Mode. 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)**or as per NIT/ Tender notice**
EMD	**Rs. 9,70,679/-**	
No. of Covers (1/2/3/4)		**02**
Bid Validity days (180/120/90/75/60/30)		**75 days (From the last date of Submission of bid)**
Address for Communication		**Office of the Executive Engineer (Civil Division-III), Room No- MZ-137, Main Building, IIT Delhi, Hauz Khas, New Delhi-110016**
Contact No.		**011-26596237**
Fax No.		**Nil**
Email Address		**a26516@admin.iitd.ac.in**

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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). 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) 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) The 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.	**Due date**: The tender must 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.	**Preparation of Bids**: 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.	**EMD (if applicable)**: **As per NIT**
4.	**Refund of EMD :- As per NIT**
5.	**Opening of the tender**: **As per Tender Notice, NIT & IITD form 8**
6.	**Acceptance/ Rejection of bids:** The competent authority of IIT Delhi reserves the right to reject any or all offers without assigning any reason.
7.	**Pre-qualification criteria: - Mentioned in Tender notice**
8.	**Performance Security**:-**Mentioned in Tender notice**
9.	**Force Majeure :- As per IITD form 8**
10.	**Risk & Cost Clause** : **As per IITD form 8**
11.	**Delivery and Documents: As per Tender Notice & NIT & IITD form 8**
12.	**Delayed delivery: As per Tender Notice & NIT & IITD form 8**
13.	**Prices**: **As per Tender Notice & NIT & IITD form 8**
14.	**Progress of Work** :**As per Tender Notice & NIT & IITD form 8**
15.	**Inspection and Tests: As per Tender Notice & NIT & IITD form 8**
16.	**Resolution of Disputes**: **As per Tender Notice & NIT & IITD form 8**
17.	**Applicable Law: As per Tender Notice & NIT & IITD form 8**
18.	**Supplier Integrity : As per Tender Notice & NIT & IITD form 8**
19.	**Training : As per Tender Notice & NIT & IITD form 8**
20.	**Installation & Demonstration : As per Tender Notice & NIT & IITD form 8**

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

C-----NIL ,I----NIL,O--- NIL

EE (CD-III) EE (ED-I) AEE (E) AEE (C) JE (E) JE (C)

Bid Submission

Online Bid Submission:

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

Bid Document – 1 (Following documents to be provided as single PDF file)			
Sl. No.	**Documents**	**Content**	**File Types**
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
Bid Document – 2			
Sl. No.	**TYPES**	**Content**	
1.	Financial Bid	Price bid should be submitted in Excel format.	.xls

I.I.T.D- 6 FOR e-TENDERING	I.I.T.D

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 and modification works in various labs / Committee rooms in academic area at IIT Delhi during the year of 2026-2027 (Phase-I).**

Sub Head: - Civil and Electrical 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**. 4,85,33,907/-**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 or 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.

   (iv) The lowest bidder does not deposit physical EMD within a week of opening of tender.

   (v) The Bidder does not upload ESI & EPF Registration

9. The contractor whose bid is accepted will be required to furnish **performance guarantee of 5% (Five 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. 10688/-) 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 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 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 2023 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 for bid for each of the minor component individually.

19.4 The eligible bidders shall quote rates 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 components shall be executed under one agreement.

19.7 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).

19.8 In case the main contractor changes any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of the Engineer-in-charge of minor component. The new agency/agencies shall also have an agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.

19.9 **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 a 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.

19.12A 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.

19.12B 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.

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

To,

……..,

……..,

……..

Subject: - Renovation and modification works in various labs / Committee rooms in academic area at IIT Delhi during the year of 2026-2027 (Phase-I)
Sub Head: - Civil and Electrical Works.
NIT No. /IITD/EE (CD-III)/2026-2027

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)

ACCEPTANCE TO EXECUTE INTEGRITY PACT	I.I.T.D

(To be signed by bidder and upload the scanned copy)

To,

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

Subject: - Renovation and modification works in various labs / Committee rooms in academic area at IIT Delhi during the year of 2026-2027 (Phase-I).
Sub Head: - Civil and Electrical 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 is accordance with terms and conditions of the tender/bid.

Yours faithfully

(Duly authorized signatory of the Bidder)

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

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.

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

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, 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)/Contract(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 aspart 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.

Article 6- Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 10 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.

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

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 substantiates his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by his 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 .....

SIGNATURE OF THE BANK

WITNESS ..... SEAL

(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 **Performance Guarantee of (a) 5% of tendered Value or Estimated Cost Put to Tender (ECPT) (whichever is higher). (b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee,** in addition to the requirement under (a) above , shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount 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 180 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

1. Name & Address of the bidder
2. Telephone no./ Telex no./ Fax no.
3. 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

4. Particulars of registration with various Government Bodies (attach attested photocopy) Organization/ Place of registration and Registration No.

   1.

   2.

   3.

5. Name and tiles of Directors & Officers with designation to be concerned with this work
   .....
   !
6. Designation of individuals authorized to act for the organization…
   !
7. 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
   .....
   !
8. 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
   .....
9. Past work experience in IIT Delhi will be considered in deciding the Technical bid…
   !

Signature of Bidder(S)

ANNEXURE-I
COMPLIANCE SHEET

TECHNICAL SPECIFICATION:

Sr. No.	Technical Bid Requirement As per Tender Notice & NIT & IITD form 8	Compliance Y/N
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 on Rs. 100/- Non Judicial Stamp paper as per Notice Inviting Tender Condition 1.3 page 8 of NIT. **(Stamp Paper 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.).**	
6	Acceptance to execute INTEGRITY PACT.	
7	Undertaking as per **Page-5/ Sl. No. 20'** 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	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.	
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	Any other documents given in NIT	
15	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. : _____

ANNEXURE-II

<< 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

Annexure-III

List of Govt. Organization/Dept.

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

Signature of

Bidder Name:_____

Designation:_____

Organization Name: _____

Contact No. : _____

C-----NIL ,I----NIL,O--- NIL

EE (CD-III) EE (ED-I) AEE (E) AEE (C) JE (E) JE (C)

I.I.T.D – 7/8 e-TENDERING	I.I.T.D

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 and modification works in various labs / Committee rooms in academic area at IIT Delhi during the year of 2026-2027 (Phase-I)**

Sub Head: - Civil and Electrical 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 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 12.3 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.

I.I.T.D – 7/8 e-TENDERING	I.I.T.D

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)

(c)

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

……..

Dated:

Designation …….

PROFORMA OF SCHEDULES	I.I.T.D

SCHEDULES (A to F)

(For Civil & Electrical works Component)

SCHEDULE 'A'

Schedule of quantities for **Civil and Electrical Works** 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 2023 for CPWD works along with correction on slips/amendments issued up to last date of submission of bid.

Name of Work	:	**Renovation and modification works in various labs / Committee rooms in academic area at IIT Delhi during the year of 2026-2027 (Phase-I)** **Sub Head: - Civil and Electrical Works.**
Estimated cost of work:	:	**Rs. 4,85,33,907/-**
Earnest Money:	:	**Rs. 9,70,679/-**
Performance Guarantee	:	**(a) 5% of tendered Value or Estimated Cost Put to Tender (ECPT) (whichever is higher).** **(b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above , shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.**
Security deposit	:	**2.5% of gross work done, limited to maximum up to tender value.**

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS:

1. Officer inviting tender	: :	Institute Engineer
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 & 12.3	:	See Clause-12

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:	:	DSR-2023 for Civil work - GST Correction Factor 0.973 + 3% cost Index and DSR-2025 (E&M) for Electrical, AC work with up-to-date correction slip on date of submission of bid & Market Rate.
2(v)	Department:	:	**Works department at I.I.T Delhi**

2(vi) IITD Form & CPWD GCC for Maintenance work 2023, modified & corrected up to last 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 Delay: : 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 milestone.
	NIL		

Time Allowed for execution of work : **18 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 : CMB Applicable

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. Civil Work -50.00 Lakhs
Electrical Work – 15.00 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 : **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	**Not Applicable**	
2.	Reinforcement bars		
3.	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 Electrical General Specification for electrical 2013 (internal and external) Corrected slips & manufacturers Specifications up to 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

	Type of work		**Maintenance work including works of up-gradation, aesthetic, special repair, addition/alteration**
12.1	The time for completion of the work shall, in the event of any deviations resulting in additional cost over the tendered value, be extended if requested by the contractor, as follows:	:	As per GCC 12.1 (i) & (ii)
12.2	Extra Items and Pricing Extra items are those which are not available in the contract.	**:**	As per GCC 12.2
12.3	Deviation, Deviated Quantities, Pricing		All the deviated quantities shall be paid at agreement rates

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 the 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 (of Major + Minor component)			
More than 1.5 cr. to 5 cr.	Graduate Engineer or Diploma Engineer	1+1	2 or 5 respectively	Project planning/ quality/ Site/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 2023 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 2023	

SPECIAL CONDITIONS

1. Non Judicial stamp paper worth **Rs. 100/- (Hundred 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 acquitted with the proposed work including specifications & its site and additional conditions carefully before quoting. No claim of any sort shall be entertained or 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 Works 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. All expenditure to be incurred for testing of samples e.g. packaging, sealing, transportation, loading, unloading etc. including testing charges 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 the contractor.

19. 1% labor cess or as applicable will be deducted from the bills of the contractor.

20. Water charges @1% and Electricity charges @0.50% Gross work done shall be deducted from bills of contractor if electricity and water provided by IIT Delhi. If the contractor makes his own arrangements, then nothing shall be deducted on account of electricity and water.

21. Agency has to take proper safety major during the execution of work.

22. Agency has to take proper safety major during the execution of work.

23. GCC form 7/8 shall form part of NIT and the bidder shall go through GCC 2023 CPWD before quoting rates and the same shall be deemed to be accepted by bidder if he participates in the tender.

24. The contractor shall submit the program 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. For item of water proofing Guarantee Bond shall be submitted by contractor as per format provided by IIT Delhi.

29. A separate amount @ 10% of the cost of water proofing work shall be retained as a security for the performance of water proofing work. This withheld amount shall be released Five years after the expiry of maintenance period, if the performance of the work done is found satisfactory. If any defect is noticed during the guarantee period, it shall be rectified by the contractor within 7 days of receipt of intimation of defects in the water proofing work. If the defects pointed out not attended within the specified period, the same will be got done from other agency at the risk & cost of contractor. This amount shall be in addition to the security deposit mentioned elsewhere in the contract form. The amount withheld may be released in full against bank Guarantee of equivalent amount in favor of the **Registrar Indian Institute of Technology Delhi** of the prescribed period as mentioned above.

30. The contractor shall submit a Bank Guarantee (BG) or Fixed Deposit Receipt (FDR), duly pledged in favor of IIT Delhi, issued by a Nationalized Bank, along with the warranty certificate the security deposit will only be released after submitting of above said B.G/FDR .the amount of FDR /B.G shall be 5% of the cumulative case of SITC LED Fixtures.

ADDITIONAL CONDITION

1. The Contractor shall not store/dump construction material or debris on metalled road.
2. The contractor shall get prior approval from Engineer-in-Charge for the area where the construction material or debris can be stored beyond the metalled road. This area shall not cause any obstruction to the free flow of traffic/inconvenience to the pedestrians. It should be ensured by the contractor that no accidents occur on account of such permissible storage.
3. The contractor shall ensure that all the trucks or vehicles of any kind which are used for construction purposes/or are carrying construction material fully covered. The contractor shall take every necessary precautions that the vehicles are properly cleaned and dust free to ensure that enroute their destination, the dust, sand or any other particles are not released in air/contaminate air.
4. The contractor shall provide mask to every worker working on the construction site and involved in loading, unloading and carriage of construction material and construction debris to prevent inhalation of dust particles.
5. The Contractor shall provide all medical help, investigation and treatment to the debris relatable to dust emission workers involved in the construction of building and carry of construction material and debris relatable to dust emission.
6. The contractor shall comply all the preventive and protective environmental steps as stated in the MoEF guidelines, 2010.
7. The Contractor shall use vehicles having pollution under control certificate. The emissions can be reduced by a large extent by reducing the speed of a vehicle to 20 kmph. Speed bumps shall be used to ensure speed reduction. In cases where speed reduction cannot effectively reduce fugitive dust, the contractor shall divert traffic to nearby paved areas.
8. There shall be no concretization of the trees within one meter of their circumference.
9. The contractor shall always use sufficient warning signs, lighting arrangements, protective tin sheets fencing, notice boards, night watchmen etc. to protect and warn the public to avoid any accidents at site however, any mishap occurs, the contractor shall be fully responsible for providing compensation or to face the legal consequences.
10. The contractor shall arrange and manage the staff, labour and T&P as per the requirement of site conditions. No compensation shall be payable to the contractor or his staff, labour remaining idle due to hindrance in the work or for any business loss, etc. in case o any stoppage of work or delay caused in the start or during progress of work due to any reason whatsoever and there are likely chances of the hindrances in the work. The contractor shall plan the work accordingly. Necessary recovery shall be made for not deploying technical staff as per G.C.C. (General condition of contract).
11. The contractor shall under no circumstances close any road or passage to traffic without the approval of concerned agency and the Engineer-in-charge.
12. DAMAGE FLOODS, RAINS OR ACCIDENT: The contractor shall take all precautions against damage to work by floods, rains, accidents or by any other causes which may occur at site. No compensation will be allowed to the contractor for his tools, plants or materials or executed work, which may be lost or get damaged by floods or rains or from other causes till work is inspected and declared completed by the Competent Authority. The contractor, however, shall be liable to make

good any plant or materials of any plant or materials of every description belonging to the department which may be lost or damaged by flood or rains or from any other cause, while under the charge of the contractor.

13. Work shall be carried out in such a manner, so as not to interfere with, or effect, retard or disturb the progress of any other on-going work in the adjoining areas, being executed by any other agency. Proper care should be taken to prevent damage to the overhead/underground electricity/gas/telephone/water & sewer line/other service lines etc. if any damages occur necessary restoration and implications will be the sole responsibility of contractor. Any claim arises due to above reasons will be borne by contractor.
14. The tendered /quoted item rate in the "Schedule of Quantities" shall be inclusive of all operations including de-silting /execution in or under water and or foul conditions, difficult site conditions /rehandling/deployment of appropriate machine and man power as per site conditions and nothing extra shall be admissible on any account whatsoever, beyond the quoted item rates of various items.
15. The contractor shall execute the work carefully and safely without any damage to the other structure/ equipment or injury to workman. He shall be fully responsible for any accident/casualty, theft etc. during the execution of this work till its completion.
16. Prevention of Nuisance and Pollution Control: - The contractor shall take all necessary precautions measures to prevent any nuisance or Inconvenience the owners, tenants or occupiers of adjacent properties and the public in general and to prevent any damage to such properties from pollutants like smoke, dust noise etc. The contractor shall use such methodology and equipment so as cause minimum environmental pollution of any kind during the execution of work and minimum hindrance road users and to occupants of the adjacent properties or other services running adjacent/near the vicinity of work. The contractor shall make good at his own cost and to the satisfaction of the Engineer-in-charge, any damage to road, paths, cross drainage works or public or private property whatsoever caused during the execution of the work or by vehicle /traffic brought thereon by the contractor, without any reservation, entirely to the satisfaction of Engineer-in-charge.

17. The executing agency shall take all the measures during executing of work to prevent air/water/garbage/pollution from the working site. If any or the monitoring agencies point out pollution contribution to environment or issue challan or other penalty same are to be paid /borne by the working agency. The department in no case reimburse such penalty or be party for such default.
18. The contractor shall take all adequate safety measures to ensure the safety of all workmen. It shall be the responsibility of the contractor to provide all safety equipments such as gum boots, safety helmets, safety belts, slings, gloves, mask oxygen cylinder, life jackets etc. to all workmen to avoid any mishap at site during the execution of the work. The contractor shall be held solely responsible in case of any mishap at site.
19. The contractor shall has to execute the work in the spirit of Prohibition of Employment as Manual Scavengers & their Rehabilitation Act, 2013 and in consonance with Hon'ble Supreme Court Judgment in WP (C) 583/2003 apart from the safety measures as stipulated under the Labour Laws / CPWD Form 8.
20. The contractor shall have to comply to the rule 3(1) of the PEMS Act 2013, as far as "possible, the intervention of manual cleaning / desilting / collecting of floating material other garbage / domestic waste will be avoided. All the maintenance work of drains will have to be completely switched over to mechanical machinery. If, necessary for the workers to go down in the drain in the context of

above referred work, only trained workers will be assigned this job after taking all precautionary safety measures. If the floating materials at some places are not possible to remove by mechanical machinery, then should be removed with the help of "punji or Jely" by manual labour standing outside the drain water.

21. The contractor shall submit a certificate before start of work, that "I am well versed with all safety rules and I will own all the responsibility in case of any mishappening during the execution of work".
22. It shall be the responsibility of the contractor not to cause any damage to existing pipeline/water line/sewer line/telephone line/electric wire line or any such feature in the drain, if any. In case any such feature is noticed by the contractor during the execution of the work the same shall be brought to the notice of the Engineer-in-charge in writing along with evidence.
23. Safety Code: It shall be responsibility of the contractor to follow Safety Code as per General Condition of Contract and take all safety measures & precaution to prevent any accident /mishap at site during the execution of work by providing all safety equipments to the workmen. In case of any accident at site, the contractor shall be directly held the responsible for the same.
24. The special conditions to comply the directives of Hon'ble NGT and issued vide O.M. No. DG/SE/CM/CIN/Misc./02 shall also form the part of this contract and shall have to be strictly adhered by the contractor during execution of work for which no extra payment shall be admissible.
25. SITE CLEARANCE: After physical completion of the work, the site shall be cleared off all the malba, construction material, tools and plants, labour huts, cement store or any other temporary construction raised by the contractor during the execution of work, at his own cost. No extra payment shall be made the contractor for clearance of the site.
26. It will be the responsibility of the contractor to ensure that no mosquito breeding at site takes place. In case any mosquito breeding is found at site, penalty deemed fit shall be imposed on the contractor.

CORRECTION SLIP

Corrections/modifications have been made in accordance with the CPWD Works Manual 2024."

Reference	Existing Provision	Modified Provision
Clause 5.2	**Performance Guarantee**	**Performance Guarantee**
SI. No. 1	No Change	No Change
SI. No. 2	PG shall be 5% of the contract amount as prescribed from time to time to be submitted in the form as prescribed in GCC. Performance Guarantee shall remain valid for a minimum period of Sixty days beyond the date of completion of all contractual obligations as per GCC. In case of contracts where supplementary agreement is drawn, the fresh PG shall be obtained from the contractor @ 5% of the amount of the supplementary agreement or as prescribed from time to time. The PG received against the original work shall be released as per contract conditions.	PG shall be 5% of the estimated cost put to tender (ECPT) or contract amount whichever is higher, or as prescribed from time to time, to be submitted in the form as prescribed in GCC. Performance Guarantee shall remain valid for a minimum period of Six Months beyond the date of completion of all contractual obligations as per GCC. In case of contracts where supplementary agreement is drawn, the fresh PG shall be obtained from the contractor @ 5% of the amount of the supplementary agreement of as prescribed from time to time. The PG received against the original work shall be released as per contract conditions.
SI. No. 3	No Change	No Change
SI. No. 4	No Provision	A bid will be treated as abnormally low if the quoted bid amount is lesser than 80% of estimated cost put to tender.
SI. No. 5	No Provision	Requirement of Additional Performance Guarantee (APG) : In case of abnormally low bids as defend above, the bidder shall be required to submit Additional Performance Guarantee (APG) in additional to the Standard Performance Guarantee (PG) . The amount of Additional Performance Guarantee (APG) shall be equivalent to the difference between the 80% amount of ECPT and quoted amount. (e.g. if ECPT is A and quoted amount is 0.7A then the amount of APG shall be 0.8A-0.7A) The Additional Performance Guarantee (APG) shall be in the prescribed format of Performance Guarantee and has ne submitted within the time of frame prescribed for submission of Performance Guarantee. The other terms and

		conditions of release etc. of APG shall be same as that of PG

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)***

PREFFERED LIST OF MAKES

1. The material shall be procured as per preference of Make in India Policy and Government of India circulars / guidelines issued time to time.

2. In case the makes of certain items are missing or not available in the preferred make list, the appropriate make shall be selected with the approval of the NIT/TS approving authority. The NIT approving authority may permit an equivalent or alternate make, provided that proper justification is submitted along with documentary evidence demonstrating the non-availability of the preferred make. If the approved equivalent or alternate make is of a lower rate, a cost adjustment in the form of recovery shall be applied at the time of approving the alternate or equivalent make. However, if the equivalent or alternate make is of a higher rate than the makes listed in the preferred make list, no cost adjustment shall be made.

3. The Contractor shall obtain prior approval from the Engineer-in- charge before placing order for any specific material or engaging any of the specialized agencies. The Contractor shall make a detailed submittal with catalogues and highlighted proposed specifications, as well as full details of the works proposed to be executed by the specialized agency, as specified.

4. All makes shall further confirm to standard specifications of each item as mentioned in technical specifications of tender documents.

5. The Engineer-In-Charge shall verify that manufacturers must have valid IS certification as on date for materials wherever applicable

A:- Civil Items

S. No.	Material	Preferred make
1	EWC seat covers	HINDWARE/ PARRYWARE/ CERA/ KEROVIT
2	C.P brass fittings/ Accessories	JAQUAR/ MARC/ KOHLAR /KEROVIT
3	PVC Seat Cover	PRAYAG/ POLYTUF/SHAKTI/ PEARL
4	PVC Fittings/ Accessories	PRAYAG/ PRIMA/SHAKTI/ PEARL
5	Cement (Grey) OPC/ PPC Grade-43	ACC/ L&T/J.K/ BIRLA/ULTRA TECH/ VIKRAM
6	Cement(White)	J.K/ BIRLA
7	Reinforcement Steel	PRIMARY MANUFACTURERS APPROVED BY MINISTRY OF STEEL/ SECONDARY MANUFACTURERS HAVING VALID BIS LICENSE (to be as per latest BIS provisions)
8	Structural Steel	PRIMARY MANUFACTURERS APPROVED BY MINISTRY OF STEEL/ SECONDARY MANUFACTURERS HAVING VALID BIS LICENSE (to be as per latest BIS provisions)
9	Stainless Steel (Grade 304)	JINDAL/ SAIL/ SALEM
10	Bricks	COMMERCIALLY AVAILABLE OR REQUIRED STRENGTH
11	Aluminum Sections	HINDALCO/ JINDAL/ MAHAVIR
12	Flush doors	CENTURY/ MERINO/ DURO BOARD/ GREEN
13	Laminates	GREENLAM/ DURO/ ARCHID/ MERINO/ CENTURY
14	Glass	SAINT GOBAIN/ MODI FLOAT/ ASAHI FLOAT
15	Ceramic Glazed tiles/ Border tiles	1ST QUALITY KAJARIA/ NITCO/ JOHNSON/ ORIENT/ SOMANY
16	Vitrified Tiles	JOHNSON/ KAJARIA/ ORIENT/ SOMANY
17	Interlocking Precast paver blocks/ Kerb Stone	HINDUSTAN TILES/ SWASTIK/ DALAL
18	Stainless Steel Hinges	JOLLY/ GARG/ AMIT/ ASJ/ SUPREME
19	Stainless Steel Nuts/ Bolts/ Screws	KUNDAN/ PUJA/ ATUL/ GKW
20	Paint/ primer/ oil bound distemper/ Acrylic paint/ plastic paint	1ST QUALITY PAINTS OF ASIAN/ BERGER/ NEROLAC/ SHALIMAR /DULUX
21	Water Proof Cement Paint/ Exterior Paint	1ST QUALITY PAINTS OF ASIAN PAINTS/ BERGER/ NEROLAC/ SHALIMAR /DULUX
22	Sanitary ware (Vitreous China) (European	HINDWARE/ PARRYWARE/ CERA/ KEROVIT

	Seats, Urinals, Wash Basins, etc.)	
23	G.I Pipes	TATA / JINDAL(HISSAR)/ BHUSHAN/ APL APPOLO
24	G.I Fittings	UNIK/ ZOLOTO/ AM
25	Stainless Steel Sink	NEELKANTH/ JAINA/ KINGSTON (COBRA)
26	Commercial Board/ PLY	MERINO/ DURO/ GREEN/ CENTURY/ KIT (SWASTIK)
27	CI Pipes/ Fittings	RIF/ NECO/ BENGAL IRON WORKS/ BC/ SKF
28	CI Pipes "Class LA"	NICO/ KESORAM/ ELECTRO STEEL/ KAPILANSH
29	Floor Spring	DORMA/ GODREJ/ HAFELE/ GEZE/ OZONE
30	Door Closer	SANDHU/ HARDWIN/DORMA/ GODREJ/ HAFELE/ GEZE/ OZONE
31	Mirror	ATUL/ MOIGUARD / SAINT GOBAIN/ AASHI
32	Vertical Blinds	VISTA/ MAC/ MARVEL DÉCOR/ SAINT GOBAIN/DECK DÉCOR
33	False Ceiling	ARMSTRONG/ SAINT GOBAIN/ META WORTH
34	Water proofing compound	SIKA/ FOSROC/ PIDILITE/ ASIAN/BASF/CICO
35	Particle Board	NOVA PAN/ BHUTAN BOARD/ ECO BOARD
36	Adhesive	FEVICOL/ VAMICOL/ DUNLOP/ VAM ORGANIC / kajaria
37	Tile Adhesive	PIDILITE/ FERROUSCRETE/ BALLENDURA/ CICO
38	Wall Putty	BIRLA /JK/ SARA
39	Epoxy Grout	BALLENDURA / KERAKOLL/ FERROUSCRETE
40	PVC Water storage tank (ISI marked)	SINTEX/ UNI PLAST/ POLYWELL
41	PVC insulated Water storage tank Heavy Duty 4/5 layer	SINTEX/ UNIPLAST/ POLYWELL/ EURO
42	Brass Ball Valve/ Gate Valve/ Float Valve / Butterfly valve	ZOLOTO/ AM/ LEADER/ SANT
43	Aluminium 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	ADHASHREE/ 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)	KAKTUS/ ZEP/ E- PACK/ LLOYED
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	Multicell Poly Carbonate Sheet	COXWELL, POLYGAL, DANPALON, 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	Laminate Wooden Flooring	VISTA/ ACTION TESA/ ARMSTRONG/ PERGO
59	Sun Control Film	3M/ GARWARE/ SAINT GOBAIN
60	Insulation (Mineral / rock wool)	UP TIWAGA LTD / ROCKWOOL IND./ F.G.P.
61	Fire Door	NAVAIR/ SHAKTI/ RADIANT/SIGNUM/PROMAT
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, RAMCO, HILUX, USG BORAL
65	Gypsum Board	GYPROC BY SAINT GOBAIN, USG BORAL, ARMSTRONG
66	Fiber Cement Board	EVEREST/ USG BORAL / VISAKA
67	CPVC Pipe Fitting & Solvent	SUPREME/ ASTRAL/ ASHIRWAD / PRINCE / PRAKASH
68	UPVC Pipes & Fittings	SFMC / SUPREME/ FINOLEX

C-----NIL ,I----NIL,O--- NIL

EE (CD-III) EE (ED-I) AEE (E) AEE (C) JE (E) JE (C)

69	UPVC Window	FENESTA / REHAU/ ENCRAFT/ (NCL Wintech)/ SAINT GOBAIN
70	Friction Stay Hinges	EARL- BIHARI/ EBCO/HETTICH
71	M.S Pipes	JINDAL/ APPOLO/ SWASTIK / TATA / SURYA
72	Gypsum Plaster	FERROUS CRETE (FERRO-500)/ GYPROC (ELITE-100)/ KERAKOL (K-100)
73	GRC Wall Tile / Jali	UNISTONE/ DALAL/ SWASTIK ALWAR / ULTRA
74	HDMR Board	CENTURY/ GREEN/ ACTION TESSA
75	High Pressure Laminate(HPL)	CENTURY/ GREEN / MERINO/TRESPA/ FUNDERMAX
76	Anchor Fastener(Mechanical/ Chemical)	HILTI/ MUNGO/CANON/ FISCHER/ WUERTH
77	Cupboard Lock	PLAZA/ GODREJ/ HETTICH/ HAFLEY
78	Rust remover / Rust converting primer /paint	FOSROC/SIKA/BASF/PIDILITE
79	polymer-based zinc rich primer	FOSROC/SIKA/BASF/PIDILITE
80	anticorrosive paint	FOSROC/SIKA/BASF/PIDILITE
81	Concrete penetrating HI-TECH Corrosion inhibitor	FOSROC/SIKA/BASF/PIDILITE
82	Thixotropic Epoxy repair mortar	FOSROC/SIKA/BASF/PIDILITE
83	Latex / SBR Polymer Compound	FOSROC/SIKA/BASF/PIDILITE
84	Low viscous epoxy resin grout	FOSROC/SIKA/BASF/PIDILITE
85	Epoxy resin for Concrete bond coat	FOSROC/SIKA/BASF/PIDILITE
86	Pre-batched non-shrink polymer modified mortar	FOSROC/SIKA/BASF/PIDILITE
87	Pre-batched Pre Mixed Non- Shrink Micro Concrete	FOSROC/SIKA/BASF/PIDILITE
88	Pre-batched Pre Mixed Non- metallic composite fiber wrapping system	FOSROC/SIKA/BASF/PIDILITE
89	Epoxy for rebar/shear anchor	FOSROC/SIKA/BASF/HILTI
90	Modular kitchen basket and accessories (SS-304 Grade)	HETTICH/ KITCH/ PLUM / PECOCK
91	Manhole cover /Grating	KK MANHOLE / DALAL / SWASTIK / HINDUSTAN
92	laminate wooden flooring	VISTA / ARMSTRONG / ACTION TESSA
93	Engineered wood Flooring	PERGO / JUNKERS / BOEN / SQUARFOOT
94	SS Pipe (304 grade) FOR WATER SUPLY	JINDAL / TATA / ALFA PRESS / VIEGA
95	Epoxy flooring	FOSROC / SIKA / BASF
96	Aluminum Factory Made System Window	Schueco Aluminum System Window, ETERNIA (HINDALCO), and NCL Alluro System (NCL Buildteck Ltd.
	FURNITURE	
97	Workstation	GODREJ INTERIO/ HAWORTH / STEEL CASE/ WIPRO/ FEATHERLITE/ HERMAN MLLER
98	Executive Table/ other table	GODREJ INTERIO/ HAWORTH / STEEL CASE/ WIPRO/ FEATHERLITE/ HERMAN MLLER
99	Chair / Audi Chair	GODREJ INTERIO/ HAWORTH / STEEL CASE/ WIPRO/ FEATHERLITE/ HERMAN MLLER
100	Lab Furniture's	KEWANEE / WALDNER / GODREJ/ WIPRO / FEATHERLITE
101	Hostel beds and cots	ZUARI / EVOK / GODREJ / WIPRO / FEATHERLITE
102	Hospital beds	HUNTLEY / STRIKER /GODREJ /WIPRO /FEATHERLITE
ITEMS FOR CLEAN ROOM / BSL / SRTERLIZATION / SPECIAL LAB FURNITURE		
103	Clean room Wall, Ceiling panel, coving	IClean/ Nicomac/ Clestra/ Channel Systems
104	Clean room Garment cabinet, shoe rack	IClean/ Kleainzaids/ Channel Systems
105	Cleanroom Doors, Return air riser	IClean/ Nicomac/ Clestra/ Channel Systems
106	Pass box, Air Shower	IClean/ Kleainzaids / Channel Systems
107	Utility Gas piping valves and Fittings (for clean room)	Shavo Technologies / Excel Gas/ GDS STARLING / Broen / Ratnamani
108	Utility Gas Pipe SS 304 Seamless (for clean	Excel Gas / Scoda / Venus / Dockweller

C-----NIL ,I----NIL,O--- NIL

EE (CD-III) EE (ED-I) AEE (E) AEE (C) JE (E) JE (C)

	room)	
110	SS 316 L Electo polished tubing	Dockweller / Valex / Sandvik / Ratnamani
110	Chilled water pump	Grundfos/ KBL / Beacon / Wilo
111	Insulation for pipe and valves	Armaflex/ K Flex/ A flex/ Supreme
112	Auto Air vent, Y strainer	Anergy / Zoloto / Lehry
113	3 way modulating valve, Flow switch	Siemens / Honeywell
114	Humidistat, Thermostat, DP Sensor	Siemens / Honeywell
115	Magnehalic gauge	Dwyer / Sensocon / Micro precision
116	Temperature Pressure gauge	H Guru / Wika / Febig
117	Pre Insulated Ducting	RR Engineers /Asawa / Paul
118	Thermal Insulation for GI ducting	Supreme/K. Flex/A Flex/Armaflex
119	HEPA Filters, HEPA terminal, BIBO unit	AAF/Camfil/ Thermadyne / Mechmaark
120	Building Management System	Honeybell / Siemens / Johnson
121	Biometric Access System	Siemens / Vantage / ExcelLex
122	Door Interlock	Honeywell/Vantage / Drishti / Ozone
123	Thyristor Heater	KEPL/Intercool/ Rapid Cool
124	Compressed Dry Air (Oil free type)	Atlas Copco / Chicago Pneumatics Ingersol Rand / Elgi
125	Antivibration mounting	Resistoflex/ Gerb / polybond
126	Variable Frequency Drive	ABB / Danfos / Fuji
127	Lab Casework	Kewaunee/GD-Waldner/Godrej/Citizen/ Lab india / lab guard
128	Fume Hoods	Kewaunee/GD-Waldner/Godrej/Citizen/ Lab india / lab guard
129	Utility Valves	Broen/Water Saver/FAR
130	VAV Controls	TEL
131	Spot Extractor	Fumex/ Alsident
132	Exaust blower	Colasit / Plastifier/ Seat
133	Acid storage	Kewaunee/ Justrite/Asecos
134	Solvent storage (FM)	Kewaunee/ Justrite/Asecos
135	Chemical storages	Kewaunee/GD-Waldner/Godrej/Citizen
136	Document Storages	Kewaunee/GD-Waldner/Godrej/Citizen/ Lab india / lab guard
137	Bio safety cabinet	Kewaunee/ Klenzaids/ Esco / Fisher
138	Laminar air flow	Kewaunee/ Klenzaids/ Esco / Fisher
139	Laboratory chairs (SS)	Kewaunee/GD-Waldner/Godrej/Citizen
140	Lab Stools (SS)	Kewaunee/Godrej/Citizen/Filtotech/Universal

B:- E & M Items

S. No	Description	Approved Makes
01	MCB(10KA)/ Isolators & MCB DB with End Box.	Legrand / Siemens/ Lauritz knudsen / ABB/ Schneider
02	MCCB	Legrand / Siemens/ Lauritz knudsen / ABB/ Schneider
03	MCCB BOX	Legrand / Siemens/ Lauritz knudsen / ABB/ Schneider
04	Modular type switch/ socket, TV socket, Fan Regulator.	Lauritz knudsen / ABB/ Wipro North West/ Legrand (Arteor/ Myrius)/ Schneider (Zencelo).
05	Steel conduit pipe and Accessories (ISI)	BEC/ AKG/ NIC / Steel Krafts
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 / Wire	Polycab / Finolex / Havells
08	LED Light Fixture	Philips/ Trilux/ Wipro
10	Ceiling Fans (BLDC) & Wall Fan	Havells/ Atomberg/ Bajaj/ Crompton.
10	Exhaust Fan/ Fresh Air Fan	Havells/ Bajaj/ Crompton.
11	Industrial type socket	Legrand / Siemens/ Lauritz knudsen / ABB/ Schneider
12	DLP U-PVC channel & accessories	Schneider / Legrand or Equivalent
13	Modular Plate & Cover Plate	Lauritz knudsen / ABB/ Wipro North West/ Legrand (Arteor/ Myrius)/ Schneider (Zencelo).
14	Distribution Board	Legrand / Siemens/ Lauritz knudsen / ABB/ Schneider.

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15	XLPE Alumium/ Copper conductor Armoured cable	Havells/ Polycab/ RR kabel/ KEI/ Universal
16	Multifunction Meter	Lauritz knudsen / AE/ Schneider/ Rishabh/ Siemens / ABB
17	Ammeter	Lauritz knudsen / AE/ Rishabh/ Schneider / ABB / Siemens
18	Voltmeter	Lauritz knudsen / AE/ Rishabh/ Schneider / ABB / Siemens
19	Frequency Meter	Lauritz knudsen / AE/ Rishabh/ Schneider / ABB / Siemens
20	CT's	AE/ KAPPA/ Pragati
21	Selector Switches	AE/ KAPPA/ Pragati
22	Contractors	Lauritz knudsen / Seimens/ GE power/ Legrand/ ABB / Siemens
23	Push button & Pilor lamps	Lauritz knudsen / Seimens/ Schneider / Siemens / ABB
24	LED indicating Lights	Lauritz knudsen / Seimens/ Schneider / Siemens / ABB
25	GI Pipe	Jindal Steel/ Jindal Hisar/ Sail/ Tata
26	DW HDPE Pipe	Reliance/ Duraline/ Hasti
27	Cat 6 LAN Cable	Legrand/ Molex/ Amp
28	Air conditioners	Mitsubishi / Hitachi/ Daikin/ Blue Star/ Panasonic/ Voltas
29	Access Control System	Bosch/ Honeywell/ HID/ Nextwatch
30	Intruder Alarm Systerm	Ademco/ bosch/ DSC/ Honeywell
31	Cable raceway floor/ wall mounted & Accessories(MS/G.I)	Legrand/ AKG/ BEC/ ESSAR/ Honeywell/ Godrej.
32	Sandwitch Bus trunking/ Rising Main	C&S/ Lauritz knudsen / Schneider/ ABB / Siemens
33	Telephone wire	Delton/ Finolex/ Havells/ Skytone
34	Occupancy Sensor	Wipro/ Schneider/ Honeywell/ Seimens/ Bosch
35	Gooseneck Microphone	Televic/ Beyerdynamic/ Bosch/ Bose/ Sennheiser
36	Amplifier	Crown/ Extrom/ Crestron
37	24 Port Switch	Cisco/ Netgear/ Hp/ Juniper
38	8 Port LIU	Legrand/ AMP/ Molex
39	16 Port Gigabit POE Switch	Netgear/ Juniper/ Cisco
40	HDMI/ USB Cable	AMX/ Crestron/ Manhatten
41	AV Speaker	JBL/ Bosch/ Bose/ Sony
42	CCTV Camera	Pelco/ Bosch/ Honeywell
43	DVR (Digital Video Recorder)	Bosch/ Honeywell/ Pelco
44	Fire Suppression System	Minimax/ Ceasefire/ Ansul
45	Fire Panel	Johnson Control (IFC)/ Notifier (UL) / Bosch (UL) / Mircom (UL) / Fike (UL).
46	PA System	Notifier/ Johnson Control/ Fike/ Cooper/ Bosch/ Honeywell
47	Addressable Heat/ Smoke detector/ Hooter/ RI/ Pullstation/	Johnson Control (IFC)/ Notifier (UL) / Bosch (UL) / Mircom (UL) / Fike (UL).
48	Conventional Heat/ Smoke detector/ Hooter/ RI/ Pullstation/	System Sensor/ Cooper/ GST/ Ravel/ Fike/ Essar/ Honeywell/ Bosch/ Bosch
49	Cable joint Kit	Raychem/ M-Seal/ Densons/ 3M

BID SUBMISSION

ONLINE BID SUBMISSION

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

Envelope – 1 (Following documents to be provided as single PDF file)			
Sl. No.	**Documents**	**Content**	**File Types**
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 filed return of GST.	.PDF
5.		**Affidavit on Rs. 100/- Non-judicial Stamp paper as per Notice Inviting Tender Condition 1.3 at page 8 of NIT. (Stamp Paper 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 **'Sl. No. 20 on page No. 5'** 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"**	.PDF
8.		ESI and EPF Registration.	PDF
9.		FORM "F" (Duly filled with all required details	.PDF
10		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
11		Annexure-I (duly filled & signed by the bidders)	PDF
12		Annexure-II (duly filled & signed by the bidders)	PDF
13		Annexure-III (duly filled & signed by the bidders)	PDF
14		Any other documents specified in NIT	PDF
Envelope – 2			
Sl. No.	TYPES	Content	
1.	Financial Bid	Price bid should be submitted in BOQ format.	.Xls

All the above documents shall be as per Tender Notice.

PART 'C'

SCHEDULE OF QUANTITY

Name of work: - Renovation and modification works in various labs / Committee rooms in academic area at IIT Delhi during the year of 2026-2027 (Phase-I).

Sub Head: - Civil and Electrical Works.

SLNo	Description	Qty	Unit	Rate	Amount
1	**Civil Woks**				
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
3	1:2:4 (1 Cement : 2 coarse sand (zone-Ill) derived from natural sources : 4 graded stone aggregate 40 mm nominal size derived from natural sources)	48.05	cum		
4	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
5	1:1.5:3(1 cement: 1.5 coarse sand (zone-Ill) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	15.87	cum		
6	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15 degree landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	8.04	cum		
7	Centering and shuttering including strutting, propping etc. and removal of form for				
8	Foundations, footings, bases of columns, etc. for mass concrete	273.60	sqm		
9	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
10	Thermo-Mechanically Treated bars of grade Fe-500D or more.	4232.21	kg		
11	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
12	Cement mortar 1:6(1 cement : 6 coarse sand)	68.87	cum		
13	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
14	Cement mortar 1:4(1 cement :4 coarse sand)	324.39	sqm		

15	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels.				
16	Granite stone slab of colour black, Cherry/Ruby red				
17	Area of slab upto 0.50 sqnn	160.65	sqm		
18	Area of slab over 0.50 sqm	162.27	sqm		
19	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.				
20	Granite work	453.00	metre		
21	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	50.00	each		
22	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
23	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	75.60	sqm		
24	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	75.60	sqm		
25	Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors (cost of glass excluded) (overall area of door shutter to be measured):				
26	Rectangular or square	75.60	sqm		
27	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete :				
28	125x64x1.90 mm	360.00	each		
29	100X58X1.90 mm	360.00	each		
30	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :				
31	250x10 mm	160.00	each		
32	Providing and fixing bright finished brass door latch with necessary screws etc. complete :				
33	300x16x5 mm	60.00	each		
34	250x16x5 mm	60.00	each		

35	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	20.00	each		
36	Providing and fixing bright finished brass handles with screws etc. complete:				
37	125 mm	260.00	each		
38	100 mm	260.00	each		
39	Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: Note :- Aluminum hinges shall not be used in wooden shutters, stainless steel hinges shall be preferred.				
40	125x75x4 mm	288.00	each		
41	100x75x4 mm	240.00	each		
42	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 :				
43	300x16 mm	40.00	each		
44	250x16 mm	40.00	each		
45	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
46	300x10 mm	80.00	each		
47	200x10 mm	80.00	each		
48	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
49	125 mm	160.00	each		
50	100 mm	160.00	each		
51	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.				
52	Twin rubber stopper	80.00	each		
53	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS: 1868) aluminium lever handles of approved quality with necessary screws etc. complete.	40.00	each		
54	Providing and fixing magnetic catcher of approved quality in cupboard/ ward robe shutters, including fixing with necessary screws etc. complete.				
55	Triple strip vertical type	236.00	each		

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56	Double strip (horizontal type)	236.00	each		
57	Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer- in-charge,	160.00	one set		
58	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.				
59	1.0 mm thick	1729.94	sqm		
60	Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all complete.				
61	With 12 mm mild steel U beading	70.80	sqm		
62	Providing and fixing stainless steel (SS-304 grade) friction hinges to the side/top hung uPVC windows, of approved quality, with necessary stainless steel screws etc. as per direction of Engineer-in-charge.				
63	350 x 19 x 1.9 mm	500.00	each		
64	Providing and fixing stainless steel sof closing spring hinges at 0 degree hinges (hydraulic type) of approved make/brand to cupboard shutters with full threaded steel screws including making necessary recess in board and finished etc. complete as per direction of Engineer-in-charge.	467.00	each		
65	Providing and fixing 2 mm thick 16 to 19 mm 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 direction of Engineer- in-charge.	8227.26	metre		
66	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.				
67	Hot finished welded type tubes	7972.38	kg		
68	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.				
69	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	2653.75	kg		

70	Providing and laying vitrified floor tiles in diferent sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.				
71	Size of Tile 600x600 mm	813.98	sqm		
72	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.				
73	Polished Granite stone slab of colour Black, Cherry/Ruby Red or equivalent	175.75	sqm		
74	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
75	110 mm diameter	140.00	metre		
76	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS :5382, leaving 10 mm gap for thermal expansion.				
77	Coupler				
78	110 mm	30.00	each		
79	Bend 87.5°				
80	110 mm bend	30.00	each		
81	Shoe (Plain)				
82	110 mm Shoe	30.00	each		

83	Providing and fixing false ceiling at all heights including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50 mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25 mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, difusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :				
84	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)	384.10	sqm		
85	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50 mm (base metal of minimum 0.45 mm thickness with total coating thickness of 0.05mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	270.50	sqm		

86	Providing and fixing precoated galvanised steel sheet roofing accessories of total coated thickness 0.50 mm (base metal of minimum 0.45 mm thickness with total coating thickness of 0.05 mm) with Zinc coating 120 gram per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :				
87	Ridges plain (500- 600mm)	41.00	metre		
88	Gutter (600 mm over all girth)	82.00	metre		
89	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 difusers, 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.				
90	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 grns/sqrn (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC (Noise Reduction Coeficient) 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.	279.91	sqm		
91	Providing and fixing thermal insulation with Resin Bonded rock wool conforming to IS: 8183, having density 48 kg/m3, 50 mm thick,wrapped in 200 G Virgin Polythene Bags fixed to wall with screw, rawel plug & washers and held and in position by criss cossing GI wire etc. complete as per directions of Engineer-in-Charge.	280.00	sqm		
92	12 mm cement plaster of mix:				
93	1:6(1 cement: 6 fine sand)	787.67	sqm		
94	French spirit polishing :				

95	Two or more coats on new works including a coat of wood filler	300.00	sqm		
96	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.	5143.49	sqm		
97	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.				
98	Two coats	5143.49	sqm		
99	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
100	Two coats	5143.49	sqm		
101	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.				
102	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	5143.49	sqm		
103	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.	5143.49	sqm		
104	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.				
105	With cement mortar 1:4 (1 cement : 4 fine sand)	130.20	sqm		
106	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
107	Nominal concrete 1:4:8 or leaner mix (including equivalent design mix)	9.40	cum		
108	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.				
109	In cement mortar	47.95	cum		
110	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
111	Of area 3 sq. metres and below	20.00	each		
112	Of area beyond 3 sq. metres	20.00	each		

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113	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
114	For thickness of tiles 10 mm to 25 mm	813.98	sqm		
115	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.	858.71	sqm		
116	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	288.12	cum		
117	Providing and laying 60 mm thick faciory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	290.70	sqm		
118	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40 mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required :				
119	Size 450x300x150 mm	20.00	each		
120	Size 600x450x200 mm	20.00	each		
121	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
122	Flexible pipe				
123	32 mm dia	30.00	each		
124	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. Internal work - Exposed on wall				
125	15 mm dia nominal bore	200.00	metre		
126	20 mm dia nominal bore	200.00	metre		
127	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, including making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :				
128	15 mm dia nominal bore	200.00	metre		
129	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :				
130	25 to 40 mm nominal bore	50.00	each		
131	Providing and fixing brass bib cock of approved quality :				
132	15 mm nominal bore	20.00	each		
133	Providing and fixing brass stop cock of approved quality :				

C-----NIL ,I----NIL,O--- NIL

134	15 mm nominal bore	20.00	each		
135	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
136	20 mm nominal bore	20.00	each		
137	Providing and fixing uplasticised PVC connection pipe with brass unions :				
138	30 cm length				
139	15 mm nominal bore	20.00	each		
140	45 cm length				
141	15 mm nominal bore	20.00	each		
142	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
143	For fixed portion				
144	Powder coated aluminium (minimum thickness of powder coating 50 micron)	5016.31	kg		
145	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)				
146	Powder coated aluminium (minimum thickness of powder coating 50 micron)	1631.86	kg		
147	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade l Type ll, 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.				
148	Pre-laminated particle board with decorative lamination on both sides	109.78	sqm		
149	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):				
150	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	197.48	sqm		

C-----NIL ,I----NIL,O--- NIL

151	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.				
152	With stainless steel cover plate minimum 1.25 mm thickness	30.00	each		
153	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.				
154	Upto 5 mm depth and 5 mm width	1000.00	metre		
155	Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6 mm thick clear float glass both side, having 12 mm air gap, including providing EPDM gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-charge complete.	21.72	sqm		
156	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).	500.00	kg		

157	Providing and fixing mineral fibre false ceiling tiles at all heights of size 595X595 mm of approved texture, design and pattern. The tiles should have Humidity Resistance (RH) of 99%, Light Reflectance ≥ 85%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Fire Performance as per (BS 476 pt - 6 &7)in true horizontal level suspended on interlocking T-Grid of hot dipped all round galvanized iron section of 0.33 mm thick (galvanized @120 gsm) comprising of main T runners of 15x32 mm of length 3000 mm, cross T of size 15x32 mm of length 1200 mm and secondary intermediate cross T of size 15x32 mm of length 600 mm to form grid module of size 600x600 mm suspended from ceiling using galvanized mild steel item (galvanised@80gsm) 50 mm long 8 mm outer diameter M-6 dash fasteners, 6 mm diameter fully threaded hanger rod up to 1000 mm length and L-shape level adjuster of size 85x25x2 mm, spaced at 1200 mm centre to centre along main 'T'. The system should rest on periphery walls /partitions with the help of GI perimeter wall angle of size24x24X3000 mm made of 0.40 mm thick sheet, to be fixed to the wall with help of plastic rawl plug at 450 mm centre to centre & 40 mm long dry wall S.S. screws. The exposed bottom portion of all T-sections used in false ceiling support system shall be pre-painted with polyester baked paint, for all heights. The work shall be carried out as per specifications, drawings and as per directions of the engineer-in-charge.				
158	With 20 mm thick beveled tegular mineral fibre false ceiling tile (NRC 0.7)	123.10	sqm		
159	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid board one side white color and other side of board laminted with PVC foil of minimum 14 micron thickness of approved design pasted with hot melt adhesive for cup boards, work stations and bathroom/ kitchen cabinet etc. of required sizes comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm2, modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel piano hinges/soft close clip on concealed hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge. (Note: stainless steel piano hinges/soft close clip on concealed hinges and necessary S.S screws shall be paid separately)				
160	18 mm thick	786.86	sqm		

161	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain white color board for backing of cup boards and bathroom/kitchen cabinets etc. of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm2, modulus of elasticity 850 N/ mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel screws etc. all as per direction of Engineer-In- Charge. (Note: stainless steel screws shall be paid separately)				
162	6 mm thick	140.41	sqm		
163	Providing and fixing 10 mm thick non - asbestos multipurpose cement board rainforced with cellulose fiber manufactured through autoclaving process (high pressure steam cured) as per IS:14862 of Everest industries Ltd or equivalent make , over the exidting MS frame work (to be paid in basic items) with 25 mm counter sunk ribbed hard screws @200m center to center.	333.50	sqm		
164	Providing and fixing 50 mm thick sandwich roof puff panel (factory made only) as per specification as follow. A) trapezoidal steel sheet having minimum 30mm crest depth, polyester top coat & alkyd backer. Zinc coating shall be 120g/sqm as per IS-277. Top coat polyester 15-18 microns over 5-7 micron epoxy primer. b) Insulation: High density puff insulation. c) Inner sheet: Colour coated galvanized slightly ribbed. Thickness 0.50mm (TCT) minimum 15-18 micron top coat polester coation, zinc coating 120g/sqm as per IS-277 Grade of steel: Minimum 240 Mpa(both sheets). sheet should have protective guard film of 25 micron minimum to avoid scretches during transportations and should be supplied in single lenght upto 12 meter or as desired by Engineer-In Charge. the sheet shall be fixed using self drilling/self tapping screws with EPDM seal, completed upto any pitch in horizontal/ vertical or curved surfaces exccluding the cost purlins, rafters and trusses and including cutting to size and shape wherever required. work to be executed as per the instructions of Engineer-In-Charge.	230.40	sqm		

165	Providing and fixing roller blinds, the febric should be screen openness of 5% and composition of 75% PVC 25% polyster 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	392.96	Sqm		
166	Providing and fixing 6mm thick ply wood sheet approved make and brandonly as per ISI in cupboard including necessary glue and nails etc. complete as per direction of Engineer- In-Charge.	261.36	Sqm		
167	Providing and fixing cupboard shutters with 18-19mm thick commercial block board of approved make and brand as per make list confirming to IS : 1659 with necessary screws ,nails and fevicol and adhives etc. complete as per direction of Engineer In Charge.	488.04	Sqm		
168	Providing and fixing cupboard inside shelves, sides, back portion, drawers etc. with 18-19mm thick commercial block of approved make and brand as per make list confriming to IS : 1659 with necessary srews ,nails and fevicol and adhives etc including necessary fixing arrangement and as per site requirement and dirction of Engineer in-charge all complete . (All exposed edges of block board to be lipped with 3 mm thick teak wood beading/ margin.)	555.10	Sqm		
169	Supplying of self adhesive sun controlled film of high performance energy management on window glass panes and other locations confirming to ASTM-D-1044 standards and confirming to following properties make of GARWARE- Defendo Charcoal 25 or equivalent of 3-M. i. Glare Reduction upto 74% ii. Total Solar Energy Rejection upto 69% iii. Visible Light Transmittance minimum 23% iv. thickness- 2 Mil v. Visible Light Reflectance upto 40%	164.83	Sqm		
170	Providing and laying unglazed matt finished heavy duty homogenous body 15-16 mm thick vitrified tiles having water absorption less than 0.5% and confirming to IS-15622 & IS.-of size- 600x600 mm of approved make and brand (kajaria / Jonson /orient / somany) laid on 20 mm thick base on cement mortar 1:4 (1 cement : 4 Coarse Sand)/ 6 mm thick (Avg.) base cement based high polymer modified quick set tile adhesive (water based) confirming to IS- 15477, including grouting of joints with white cement and matching pigment etc. complete as per direction of Engineer-in-Charge.	245.06	Sqm		

171	Providing & laying 12 mm thick laminate wooden flooring of grade- AC 5 of planks sizes of 1800mm length and 100 mm of width, in approved colour, texture and finish. The flooring shall be fixed with a tongue and groove interlocking system, with underlay of 4mm thick expanded polyethene foam sheets having a density 40kg/cum, including all accessories, skirtings wherever required and cutting in required size & shape as per site requirement. The wooden planks shall have a minimum density of 850-900 kg/m^3, all complete as per the direction of the Engineer-in-charge.	494.51	Sqm		
172	Credit of old iron scrap like steel windows/door frame, MS grills ,MS bars , GI pipe and fitting etc	1000.00	Kg		
173	Credit of old wooden scrap liike old flush doors with wooden frames etc	40.00	Each		
174	Credit of old scrap aluminium sections of various size and thickness.	500.00	Kg		
175	Electrical Works				
176	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS/HFFR 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/HFFR PVC insulated copper conductor single core cable etc. as required.				
177	Group C	600.00	Point		
178	Wiring for twin control light point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS/HFFR PVC insulated copper conductor single core cable etc .as required.	20.00	Point		
179	Wiring for light/ power plug with 2X4 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable in surface/ recessed steel conduit along with 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	1200.00	Meter		
180	Wiring for light/ power plug with 4X4 sq. mm FRLS/HFFR PVC insulated copper conductor single core cable in surface/ recessed steel conduit along with 2 Nos. 4 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable for loop earthing as required.	1000.00	Meter		
181	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.				
182	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	600.00	Meter		
183	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	300.00	Meter		
184	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	100.00	Meter		
185	2 X 16 sq. mm + 1 X 6 sq. mm earth wire	100.00	Meter		
186	4 X 2.5 sq. mm + 2 X 2.5 sq. mm earth wire	200.00	Meter		

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187	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	300.00	Meter		
188	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	100.00	Meter		
189	Supplying and drawing following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
190	3 x 1.5 sq. mm	200.00	Meter		
191	3 x 2.5 sq. mm	1000.00	Meter		
192	6 x 2.5 sq. mm	600.00	Meter		
193	3 x 4 sq. mm	800.00	Meter		
194	6 x 4 sq. mm	800.00	Meter		
195	3 x 6 sq. mm	200.00	Meter		
196	6 x 6 sq. mm	100.00	Meter		
197	Supplying and drawing following pair 0.5 mm dia FRLS/HFFR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				
198	1 Pair	200.00	Meter		
199	2 Pair	100.00	Meter		
200	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.				
201	20 mm	150.00	Meter		
202	25 mm	100.00	Meter		
203	32 mm	70.00	Meter		
204	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.				
205	20 mm	150.00	Meter		
206	25 mm	100.00	Meter		
207	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
208	5/6 A switch	500.00	Each		
209	2 way 5/6 A switch	20.00	Each		
210	15/16 A switch	600.00	Each		
211	3 pin 5/6 A socket outlet	500.00	Each		
212	6 pin 15/16 A socket outlet	600.00	Each		
213	Telephone socket outlet	40.00	Each		
214	Bell push	10.00	Each		
215	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.	250.00	Each		

216	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	30.00	Each		
217	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required.				
218	1 or 2 Module (75mmX75mm)	60.00	Each		
219	3 Module (100mmX75mm)	120.00	Each		
220	6 Module (200mmX75mm)	150.00	Each		
221	8 Module (125mmX125mm)	100.00	Each		
222	12 Module (200mmX150mm)	120.00	Each		
223	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	50.00	Each		
224	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	50.00	Each		
225	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	100.00	Each		
226	Supplying and fixing extra conduit down rod of 20 cm length G.I. pipe 15 mm dia, heavy gauge including painting etc. as required. (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	50.00	Each		
227	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/HFFR PVC insulated copper conductor single core cable in surface/ recessed steel conduit, and earthing the point with 1.5 sq. mm FRLS/HFFR PVC insulated copper conductor single core cable etc. as required.				
228	Group C	100.00	Point		
229	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 A modular socket outlet and 2 nos. 5/6 A modular switch, connections etc. as required. (For light plugs to be used in non residential buildings).	50.00	Each		
230	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	50.00	Each		

231	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, Ics=100% Icu and Operational Voltage 690V etc. as required.				
232	100 A,30KA,FPMCCB	10.00	Each		
233	125 A,36KA,FPMCCB	10.00	Each		
234	200 A,36KA,FPMCCB	10.00	Each		
235	250 A,36KA,FPMCCB	4.00	Each		
236	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)				
237	8 way , Double door	20.00	Each		
238	12 way , Double door	15.00	Each		
239	16 way, Double door	10.00	Each		
240	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator).				
241	8 way (4 + 24), Double door	3.00	Each		
242	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
243	4 way (4 + 12), Double door	10.00	Each		
244	8 way (4 + 24), Double door	10.00	Each		
245	12 way (4 + 36), Double door	8.00	Each		
246	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
247	Single pole	1088.00	Each		
248	Double pole	45.00	Each		
249	Triple pole	30.00	Each		
250	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	20.00	Each		

251	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
252	40 A	20.00	Each		
253	63 A	25.00	Each		
254	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
255	63 A	10.00	Each		
256	100 A	10.00	Each		
257	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.				
258	63 A	5.00	Each		
259	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, 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.				
260	63 A	5.00	Each		
261	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.	20.00	Each		
262	Supplying and fixing TP sheet steel enclosure on surface/ recess along with 16/25/32 A 415 V "C" curve TP MCB complete with connections, testing and commissioning etc. as required.	20.00	Each		
263	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top along with 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.	50.00	Each		
264	Supplying and fixing 20 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top along with 20 A "C" curve, TPMCB, 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.	50.00	Each		

265	Supplying and fixing 30 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top along with 30 A "C" curve, TPMCB, 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.	30.00	Each		
266	Supplying and fixing Cable End Box (Loose Wire Box) suitable for triple pole and neutral, sheet steel, Vertical MCB distribution board, 415 Volts, on surface/ recess, complete with testing and commissioning etc. as required.	20.00	Each		
267	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 from the ceiling with two numbers GI Suspenders i/c base of suitable size GI angle, GI bolts & nuts, fastner etc as required.				
268	150 mm width X 50 mm depth X 1.6 mm thickness	50.00	Meter		
269	300 mm width X 50 mm depth X 1.6 mm thickness	50.00	Meter		
270	450 mm width X 50 mm depth X 2.0 mm thickness	30.00	Meter		
271	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "bends" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with two numbers GI Suspenders i/c base of suitable size GI angle, GI bolts & nuts, fastner etc as required.				
272	150 mm width X 50 mm depth X 1.6 mm thickness	3.00	Each		
273	300 mm width X 50 mm depth X 1.6 mm thickness	3.00	Each		
274	450 mm width X 50 mm depth X 2.0 mm thickness	3.00	Each		
275	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "Tee" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with two numbers GI Suspenders i/c base of suitable size GI angle, GI bolts & nuts, fastner etc as required.				
276	150 mm width X 50 mm depth X 1.6 mm thickness	3.00	Each		
277	300 mm width X 50 mm depth X 1.6 mm thickness	3.00	Each		
278	450 mm width X 50 mm depth X 2.0 mm thickness	3.00	Each		
279	Earthing with G.I. earth pipe 4.5 Meter 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.	12.00	Set		

C-----NIL ,I----NIL,O--- NIL

280	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 Meter long etc. with charcoal/ coke and salt as required.	10.00	Set		
281	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 Meter long etc. with charcoal/ coke and salt as required.	15.00	Set		
282	Supplying and laying 6 SWG G.I. wire at 0.50 Meter below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	100.00	Meter		
283	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)	30.00	Meter		
284	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	30.00	Meter		
285	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	200.00	Meter		
286	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	200.00	Meter		
287	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	300.00	Meter		
288	Providing and fixing earth bus of 50 mm X 5 mm copper strip on surface for connections etc. as required.	1.00	Meter		
289	Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required.	30.00	Each		
290	Supplying, Installation, Testing and commissioning of Microwave technology based occupancy sensor having high performance, non regulating programmable type, suitable for connected load upto 10Amp , for mounting height up to 3 meter and for 5m X 20m coverage area along with necessary fixing arrangements i/c programming at site etc. complete as required.	5.00	Each		
291	Supplying, Installation, Testing and commissioning of Astronomical time switch of following configuration to be mounted in feeder pillars / Lighting DBs for automatic switching On & OFF of street lights at sun set & sun rise or twilight(Auto ON, Auto OFF, Auto modes) with manual override facility with 12/24 hour display format with suitable battery and indication for relay status i/c programming at site complete as required.				

C-----NIL ,I----NIL,O--- NIL

EE (CD-III) EE (ED-I) AEE (E) AEE (C) JE (E) JE (C)

292	1 output per phase and suitable for single phase supply	3.00	Each		
293	LED Down lighter (COB Type) (System lumen efficacy ≥120 lm/Watt) Supplying, Installation, Testing & Commissioning of LED Recessed/surface Down lighter (Round / square/ Rectangular) COB Type of following body material and construction as per IS : 10322 with driver as per the requirement with Driver efficiency >85%, Operating voltage AC 140-270 Volt, frequency 50/60 hz, Operating temp range -5 0C to 40 0C, internal surge protection of 2.5 KV with Short & Open circuit protection ,THD < 10% , P. F.≥0.95, IP20, CRI >80 , UGR (Unified Glare Rating) < 19, Flicker free (flicker should be below 5 %), life time (LED, Driver & electrical circuitry), life time of minimum 50000 Burning Hours with, 70% of initial Lumen maintained till life ends , CCT 3000°K / 4000°K / 5700°K /6500°K (As per ANSI Bin), SDCM(Standard Deviation Colour Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard. Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. OEM must have its own in house NABL lab setup for all testing facilities for LED fixtures. "complete in all respect i/c external connections with 1.5 sq mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy ≥120 <135 lm/Watt output . LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted Shape size and CCT shall be as approved by Engineer-in- Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C). Powder coated die cast /Extruded aluminium Body including trim with Aluminium Reflector				
294	12 -15 watt	100.00	Each		
295	18 watt	50.00	Each		
296	LED Panel light 2x2 ft., (System lumen efficacy>135 lm/Watt) Supplying, installation, of Panel light 2x2 f., Operating voltage AC 140-270 Volt, frequency 50/60 Hz, Operating temp range 5 °C to 40 °C, IP20, CRI>80, UGR (Unified Glare Rating) < 19, Flicker free, System lumen eficacy>135 lm/Watt as approved by Engineer-in-Charge				
297	36 watt	450.00	Each		
298	LED Batten light (System lumen efficacy ? 105 <120 lm/Watt). Supplying, Installation, of LED surface mounted Batten light of following body material and construction Operating voltage AC 140- 270 Volt, frequency 50/60 Hz, (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C). Powder coated die cast /Extruded				
299	18- 22 Watt	50.00	Each		

C-----NIL ,I----NIL,O--- NIL

EE (CD-III) EE (ED-I) AEE (E) AEE (C) JE (E) JE (C)

300	LED Flood Light, powder coated pressure die cast aluminium (System lumen efficacy >135 lm/Watt) Supplying, Installation, Testing & Commissioning of Flood Light, powder coated pressure die cast aluminium body with built in or separate driver as per the requirement with Driver efficiency >85%, Input voltage: Input voltage: 140-270 Volt AC, frequency 50/60 hz, Operating temp range -5 0C to 50 0C, internal surge protection of 5 KV L,N,E as per IEC 61000-4-5, Driver efficiency >85%,THD < 10% as per IEC 61000-3-2, P. F.≥0.95, IP-66,IK-10, CRI >70, under voltage and over voltage protection, EMI-EMC as per CISPR-15, lenses for beam angle 30 deg-120deg as per the application and the project requirement., suitable tilt able fitting, life time (LED, Driver & electrical circuitry) of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report, CCT 3000°K / 4000°K / 5700°K /6500°K (As per ANSI Bin) , SDCM(Standard Deviation Colour Matching) <5, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard complete in all respect i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy >135 lm/Watt output. LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C).				
301	70 watt	20.00	Each		

C-----NIL ,I----NIL,O--- NIL

EE (CD-III) EE (ED-I) AEE (E) AEE (C) JE (E) JE (C)

302	LED Smart Street light fixture, powder coated pressure die cast aluminium (System. System lumen efficacy >135 lm/Watt). Supplying, installation, Testing & Commissioning of Smart Street light LED fixture, powder coated pressure die cast aluminium body with built in or separate driver as per the requirement (< 700ma), Input voltage: 140-270 Volt AC, frequency 50/60 hz, Operating temp range -5 °C to 50 °C, internal surge protection of 5 KV L,N,E as per IEC 61000-4-5, Driver efficiency >85%,THD < 10% as per IEC 61000-3-2, P.F.≥0.95, IP-66,IK- 08, CRI >70, under voltage and over voltage protection, EMI- EMC as per CISPR-15, lenses for beam angle as per IESNA type I/II/III as per the width of the road and the project requirement., suitable to fit in up to 65mm dia pipe, life time of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report, CCT 3000°K / 4000°K / 5700°K /6500°K (As per ANSI Bin), Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard complete in all respect i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy >135 lm/Watt output . LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted.. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 900C) Smart inbuilt controller shall have following features. 1. Control and monitor LED luminaries with bi directional control(Status, Fault, Alarm, dimming level, wattage, energy) 2.to measure voltage, current, power, power factor, apparent energy, active energy, operating hours 3.Inbuilt ambient light sensor, motion sensor based on Passive Infra Red (PIR). 4. Wi-Fi LoRA/Zigbee/Powerline with ethernet network based IOT feature as per site requirement or engineer in charge. 5.should be controlled through auto/ manual 6. Programmable level of not less than 48 different light intensity settings, 7. inbuilt repeater & relay signals function to other controllers				
303	72 watt	20.00	Each		

C-----NIL ,I----NIL,O--- NIL

EE (CD-III) EE (ED-I) AEE (E) AEE (C) JE (E) JE (C)

304	Brush Less Direct Current (BLDC) Fan with Remote Supply, Installation, Testing and Commissioning of ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. metal(Aluminium alloy) blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, steel/Al body. Power Factor not less than 0.9, Service Value (CM/M/W) minimum as below, 350 RPM (tolerance as per IS : 374-2019), THD (Total Harmonic Distortion) less than 10%, remote (preferably mobile app based) for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 0C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC supply Ceiling Fan compliant to IS 374:2019 fan i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required.				
305	1200mm, service value ≥ 6.0 CM/Min/Watt, air delivery 210 CM/Min (Minimum)	200.00	Each		
306	1400mm, service value ≥ 6.0 CM/Min/Watt, air delivery 245 CM/Min (Minimum)	50.00	Each		
307	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.				
308	3½ X 35 sq. mm (32mm)	16.00	Each		
309	3½ X 50 sq. mm (35mm)	16.00	Each		
310	3½ X 70 sq. mm (38mm)	10.00	Each		
311	3½ X 150 sq. mm (50mm)	10.00	Each		
312	4 X 16 sq. mm (28mm)	20.00	Each		
313	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.				
314	90 mm dia (OD-90 mm & ID-76 mm nominal)	10.00	Meter		
315	INTELLIGENT FIRE ALARM SYSTEM				

316	Supplying, installation, testing and commissioning of micro processor based intelligent addressable main fire alarm panel, central processing unit with the following loop modules and capable of supporting not less than 240 devices (including detectors) and minimum 120 detectors per loop and loop length up to 2 km, network communication card, minimum 320 character graphics/ LCD display with touch screen or other keypad and minimum 4000 events history log in the non volatile memory (EPROM), power supply unit (230 ± 5 % V, 50 hz), 48 hrs back-up with 24 volt sealed maintenance free batteries with automatic charger. The panel shall have facility to connect printer to printout log and facility to have seamless integration with analog/digital voice evacuation system (which is part of the schedule of work under SH: PA System) and shall be complete with all accessories . The panel shall be compatible for IBMS system with open protocol BACnet/ Modbus over IP complete as per specifications.				
317	Two Loop Panel.	2.00	Each		
318	Supplying, installation, testing & commissioning of intelligent analog addressable photothermal detector complete with mounting base complete as required.	100.00	Each		
319	Supplying, installation, testing & commissioning of response indicator on surface/recessed MS Box having two LED, metallic cover complete with all connections etc as required.	60.00	Each		
320	Supplying, installation, testing & commissioning of intelligent addressable programmable sounder complete as required.	5.00	Each		
321	Supplying, installation, testing & commissioning of fault isolator complete with base as required.	5.00	Each		
322	Supplying, installation, testing & commissioning of intelligent addressable thermal detector with rate of rise cum fixed temperature thermistor complete with base as required.	5.00	Each		
323	Supplying, installation, testing & commissioning of addressable manual call point complete as required.	5.00	Each		
324	CABLING & WIRING				
325	Supplying & laying of 2x1.5 sqmm fire alarm armoured cable, 600/1000V rated with annealed copper conductor having XLPE insulation, steel wire armouring & FRLS/HFFR outer sheath complete as required.	300.00	Meter		
326	Supplying, drawing, Installation, Testing and commissioning of Cat6A UTP 4 pair, 23 AWG solid copper cable in existing conduit/ on surface, The outer Cable Diameter should be 7.5 + 2 mm. Cable should have been tested and verified by UL/ ETL.				
327	1 Run of cable	300.00	Meter		
328	2 Run of cable	200.00	Meter		
329	3 Run of cable	100.00	Meter		

C-----NIL ,I----NIL,O--- NIL

330	LED Light Fixtures				
331	Supplying and installation of LED High bay light with energy saving, environmental friendly, long life, exclusive innovative die-cast aluminium IP65, suitable for ceiling mounted(Surface/ suspended) Lighting with following features:- Suitable for operating voltage and frequency: 130-300 Va.c, 50 Hz.; wattage 100 Watts; Nominal surge protection 2.5 kV; IP 65. THD<10 %	10.00	Each		
332	Providing and fixing DLP plastic trunking of size 105 mm x 50 mm on surface as reqd.[Make Legrand]				
333	PVC trunking without cover of size 105 x 50 mm size	500.00	Metre		
334	PVC trunking full cover of size 85 mm size	500.00	Metre		
335	PVC trunking Left or right End cap	40.00	Each		
336	PVC trunking Internal angle adjustable from 80°-100°	15.00	Each		
337	PVC trunking External angle adjustable from 60°-120	15.00	Each		
338	PVC trunking 90°Flat angle	15.00	Each		
339	PVC trunking Cover joint for 85 mm width	15.00	Each		
340	PVC trunking base/body joint	15.00	Each		
341	6/8 Modules clip on frame with finishing plate for 85 mm cover	150.00	Each		
342	Modular 5/6 amps switch on the existing modular plate & switch box / channel including connection	150.00	Each		
343	Modular 5/6 amps socket on the existing moudular plate & switch box including connection.	150.00	Each		
344	Modular 16A/20 amps switch on the existing modular plate & switch box / channel including connection	200.00	Each		
345	Modular 6/16 amps multi socket on the existing moudular plate & switch box including connection.	200.00	Each		
346	Information data socket RJ45 with shutter with moudular plate	30.00	Each		
347	Telephone socket RJ11 with shutter with moudular plate	20.00	Each		
348	3 Modules clip on frame with finishing plate for 85 mm cover.	50.00	Each		
349	Supplying, installation DLP mini- trunking 32mm x 20mm with independent cover etc. complete as reqd.[Make Legrand]				
350	PVC mini trunking with independent cover of size 32mm x 20mm size.	200.00	Metre		
351	PVC mini trunking End cap left or right.	10.00	Metre		
352	PVC mini trunking Internal/ External angle from 60°-120°	10.00	Each		
353	PVC mini trunking Flat angle from 85°-95°	10.00	Each		
354	PVC mini trunking Flat junction	10.00	Each		
355	Dismantling/ Disconnecting old damages services.				
356	Dismantling, disconnecting old damaged unserviceable fl fitting/ exhaust fan/ ceiling fan/ bulkhead fitting with bracket etc. as reqd.	20.00	Each		
357	Dismantling of switch / socket /regulator etc. with wooden board as reqd.	20.00	Each		

C-----NIL ,I----NIL,O--- NIL

358	Dismantling damaged DB/TPN Switches/ loose wire boxes along with all accessories as required.	20.00	Each		
359	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].				
360	4 X 16 sq. mm	100.00	Metre		
361	3½ X 35 sq. mm	80.00	Metre		
362	3½ X 50 sq. mm	50.00	Metre		
363	3½ X 70 sq. mm	50.00	Metre		
364	3½ X 150 sq. mm	50.00	Metre		
365	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].				
366	4 X 16 sq. mm	250.00	Metre		
367	3½ X 35 sq. mm	200.00	Metre		
368	3½ X 50 sq. mm	200.00	Metre		
369	3½ X 70 sq. mm	150.00	Metre		
370	3½ X 150 sq. mm	150.00	Metre		
371	Fans.				
372	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	50.00	Each		
373	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	50.00	Each		
374	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 sq. mm FRLS PVC insulated, copper conductor single/ multi core cable and making good the damage , testing and commissioning etc. as required.	30.00	Each		
375	Supplying and fixing of 300 mm size heavy duty 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 sq. mm FRLS PVC insulated, copper conductor single/ multi core cable and making good the damage , testing and commissioning etc. as required.	30.00	Each		

376	Supplying and fixing of 450 mm size heavy duty 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 sq. mm FRLS PVC insulated, copper conductor single/ multi core cable and making good the damage , testing and commissioning etc. as required.	20.00	Each		
377	Supplying and fixing fan hook incuding making the arrangement in slab structure to hanging the fan hook including fabrication, welding, painting etc. complete as reqd.	20.00	Each		
378	Supply and installation of SS enclosure duly powder Coated paint for housing incomming MCCB 4P, of appropiate size with incomming 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	10.00	Each		
379	Supply and installation of SS enclosure duly powder Coated paint for housing incomming MCCB 4P, of appropiate size with incomming and outgoing opening, suitable to accommodate upto 300sqmm, 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. (Make: L&T / Schneider / Legrand / Havells / C&S / Siemen / ABB)	10.00	Each		
380	Providing and fixing DLP plastic trunking of size 150 mm x 50 mm on surface as reqd.[Make Legrand]				
381	DLP plastic trunking of size 150 mm x 50 mm without cover	200.00	Metre		
382	PVC trunking full cover of size 85 mm size	200.00	Metre		
383	PVC trunking full cover of size 40 mm size	200.00	Metre		
384	Clip on Partition (Plastic)	200.00	Metre		
385	PVC trunking Left or right End cap	10.00	Each		
386	PVC trunking Internal angle adjustable from 80°-100°	10.00	Each		
387	PVC trunking External angle adjustable from 60°-120°	10.00	Each		
388	PVC trunking 90°Flat angle	10.00	Each		
389	PVC trunking Cover joint	10.00	Each		
390	PVC trunking base/body joint	10.00	Each		
391	6/8 Modules clip on frame with finishing plate for 85 mm cover	50.00	Each		
392	1 Modules clip on frame with finishing plate for 40 mm cover	50.00	Each		
393	Modular 16A/20 amps switch on the existing modular plate & switch box / channel including connection	100.00	Each		
394	Modular 6/16 amps multi socket on the existing moudular plate & switch box including connection.	100.00	Each		

395	Supply, Making, Testing & commissioning of Advance maintenance free Chemical Gel Earthing of single pipe Technology(copper) of 3 mtr. long 50 mm dia fiiled with highly conducting metallic compound with the permanent sealings at the both the ends with the lead terminal 32x10mm at the top along with 50kgs of chemical gel for (mixture of sulphate, Silica, Alumina, Iron Oxide, Titanium Oxide, Magnesium Oxide, Sodium Oxide, Zinc Oxide etc.) Resitance lowering grounding Minerals. The loss on ignition by mass of the chemical compound should be tested and certified by any International accredited and BIS (Bureau of Indian Standard) accredited laboratory. The Chemical earth electrode manufacturer shall be an ISO 9001:2008 & ISO 14001:2001 certified organization. The Testing laboratory should be ISO 14001 certified. The JK CHEMRODE shall be duly tested & certified by CPRI (Central Power Research Institute) Govt. of India for a minimum short circuit current of 30 KA rms. The Chemical Earth electrode manufacturer shall be an ISO 9001:2008 & ISO 14001:2004 certified organisation. along with Heavy duty polyplastic weather proof earth pit/ chamber.	15.00	Each		
396	Electrical Panel board				
397	Design, Fabrication, Supplying, testing & commissioning of front operated cubicle type compartmentalized, front access free standing, dust and vermin proof (IP 54) panel board of 1650x 1200x 400 mm size suitable for use at 415 volt, 3 phase, 4 wire, 50 hertz system suitable for fault level of required value symmetrical at 415 volts, made out of 2mm thick CRCA MS sheet with hinged, gasketed (metal based neoprene) and lockable doors having structural reinforcement with suitable angle/channel/ T/ Flat/ sections including 3 mm thick gland plates on top and bottom and lifting hooks and GI earth strip of required size with 2 nos. earthing terminal and powder coated paint finish of approved shade over metal surface cleaned and treated with seven tank process complete with frame duly erection in ground and interconnection with copper conductor etc. as specification, as complete as required confirming to IS8623:93 as below. [Note:- The panel should be IS 8623:93, IEC 61439 part-1 and II manufacturer has to produces the relevant test certificate as per IEC code for the same failing which panel shall be rejected) and CPRI Approved.] Incoming (a) 250 amp, 4P, 36KA, 50HZ, 415V, AC MCCB with thermal magnetic based releases for O/C & S/C protection = 01 Nos. Bus Bar Electrolytic high conductivity aluminium, three phase and neutral busbars rated at 400 amps having a maximum current density of 120 A/sq cm suitable to with stand	2.00	Each		

	symmetrical fault level of 35 kA. at 415 Volts. The Neutral busbar is to be of 100% capacity. Outgoing (a) 160 amps, 4P, 36KA, 50HZ, 415V, AC MCCB with thermal magnetic based releases for O/C & S/C protection = 01 Nos. (b) 125 amps, 4P, 36KA, 50HZ, 415V, AC MCCB with thermal magnetic based releases for O/C & S/C protection = 02 Nos. (c) 63 amps, 4P, 36KA, 50HZ, 415V, AC MCCB with thermal magnetic based releases for O/C & S/C protection = 04Nos. (d) Earthing studs 2 Nos (e) Danger plate – 01 Nos Metering (a) Digital Ammeter - 01 Nos with accuracy class 1.0 (b) Digital Voltmeter - 01 Nos with accuracy class 1.0 (c) RYB indicating lamp (d) Suitable CT's (e) Rotatory handle in each switch				
398	Supplying and laying of PVC innersheathed, XLPE insulated copper 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) [conforming to I.S-7098(Part 1) 1988.				
399	4 X 16 sq. mm	200.00	Metre		
400	4 X 25 sq. mm	200.00	Metre		
401	4 X 35 sq. mm	200.00	Metre		
402	[--] Less Credit for Dismantled Materials.(These are tentative, may vary as per actual.)				
403	Less buyback of old light fixture etc. on as is where is basis.	100.00	Each		
404	Less buyback of 5/15 Amp Switch/ socket etc. on as is where is basis.	100.00	Each		
405	Less buyback of old aluminium wiring on as is where is basis.	5.00	Lot		
406	Less buyback of Old DB box/ Steel enclosure etc. on as is where is basis.	10.00	Each		
407	Less buyback of Old and unserviceable MCB/ MCCB etc. on as is where is basis.	10.00	Each		

Special Conditions: -

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 in parts or phases as per directions of Engineer in Charge and nothing extra on this amount shall be paid to contractor.
5. Quoted rates of participating agencies shall be inclusive of GST.
6. The rates for different items of work shall apply for all heights & depths, Leads & Lifts and nothing extra shall be paid on these accounts.
7. Engineer-in-charge may foreclose the work wherever desire, In such eventually, payment of gross work done up to foreclosure date, PG of the contractor shall be refunded, but no payment on account of interest, loss & profit of damages etc. or any other claim shall be payable at all security deposit shall release after completion of defect liability period starting from foreclosure date.