



Notice Inviting Tender

**Renovation of toilets in Himadri hostel at IIT Delhi.
Civil & Electrical Work.**

Civil Work Amount	:	Rs. 2,19,25,333.00
Electrical Work Amount	:	Rs. 30,93,934.00
Total Work Amount	:	Rs. 2,50,19,267.00

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

INDEX

Name of Work: Renovation of toilets in Himadri hostel at IIT Delhi.

Sub Head : Civil & Electrical Work.

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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 74.**

Assistant Engineer (Civil)

NIT approved for Rs.2,50,19,267/- (Rupees Two Crore Fifty Lakh Ninteen Thousand Two Hundred Sixty-Seven Only).

Executive Engineer (ED-1)

Executive Engineer (CD-III)

Institute Engineer

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

Notice Inviting e -Tender

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

NIT No.	:	/IITD/EE(CD-III)/2026-27
Name of Work	:	Renovation of toilets in Himadri hostel at IIT Delhi. Sub Head- Civil & Electrical Work
Estimated cost	:	Rs. 2,50,19,267/-
Earnest Money	:	Rs. 5,00,386/-
Performance Guarantee	:	a. 5% of Estimated Cost put to Tender (ECPT) or contract amount, whichever is higher. b. Where the tender 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, limiting maximum up to tender value.
Period for completion	:	12 Months
Late date & time for submission of bids	:	12/08/2026 up to 15.00 Hrs.
Date & Time of opening of Bids	:	13/08/2026 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(2021/007/0710)

Copy to: -

1. Institute Engineer, for information.
2. Executive Engineer (CD-III) for information.
3. D.R. (Works Accounts)
4. D.R. (A/Cs) – for opening of uploaded documents at **3:00 PM on 13/08/2026** in the office of D.R. Store
5. Notice Boards.
6. Office Copy
7. Web site Administrator, I.I.T.D.

PART 'A'
INDIAN INSTITUTE OF TECHNOLOGY DELHI
HAUZ KHAS, NEW DELHI – 110016
IITD/WORKS (SP-5364)/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 / Railways for **Civil & Electrical Work / Building works / Building & Roads / Composite works** of the following work:

S. No.	NIT No.	Name of Work	Estimated Cost (Rs.)	Earnest Money (Rs.)	Time for Completion
1	/IITD/EE(CD-III)/2026-27	Renovation of toilets in Himadri hostel at IIT Delhi. Sub Head :-Civil & Electrical Work.	2,50,19,267/-	5,00,386/- (to be returned after submission of PG)	12 Months

Last date and time of submission of financial & Technical bid

: 12/08/2026 up to 3:00 pm (online)

Date and time of opening of Technical bid : 13/08/2026 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.

- The successful bidder shall be required to submit 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 **15 days** of issue of letter of intent before award of work. In case of failure by the Contractor to supply the performance guarantee within the specified period, full earnest money will be forfeited, and the tender shall be treated as void. The performance guarantee shall be initially valid up to the date of completion plus **180 (One Eighty)** days beyond that.
- Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted.
 - Firms/Contractors must have completed satisfactorily one similar work of value not less than **Rs.2,00,16,000/-** or two similar works each of value not less than **Rs.1,50,12,000/-** or three similar works each of value not less than **Rs.1,00,08,000/-** during last 7 years ending last day of the month previous to the one in which tender is invited.
 - Earnest money of Rs.5,00,386/-** in the form of Banker's Cheque or Demand Draft or Fixed Deposit Receipt of a scheduled bank or through online mode i.e. RTGS/ NEFT in favor of **Registrar, I.I.T. Delhi** with UTR details. No relaxation in EMD will be allowed for MSMEs and MSEs as per the CPWD Manual.
- "Similar Work" shall mean composite work consisting of Civil and E & M.
- 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.
- Information and Instructions for bidders posted on website shall form part of bid document.
- 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, work done only under Government/ Central Public Sector Undertaking / State Public Sector Undertaking / 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 the work executed shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum calculated from the 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 the bids he will receive the competitor bid sheets.
14. Contractor can upload documents in the form of JPG format and PDF format.
15. Contractor must ensure to quote rate of each item, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).
16. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
17. In e-Tendering intending bidder can quote his rates in figures only. The rates in words against amount of each item and total is generated automatically. Therefore, the rate quoted by the bidder in figures will be taken as final.
18. The bid can only be submitted after uploading the mandatory scanned documents such as Demand Draft or Pay order or Banker's Cheque or Deposit at call Receipt or Fixed Deposit Receipts and towards cost of EMD in favor of **Registrar IIT Delhi** to be deposited with <http://eprocure.gov.in/eprocure/app> / NEFT facility.
19. **The physical EMD of the scanned copy of EMD uploaded shall be deposited by the lowest tenderer within a week after opening of financial bid failing which the tender shall be rejected.**
20. The following undertaking in this regard shall be up-loaded by the intending bidders: **"The physical EMD shall be deposited by me / us with the Authority inviting the tender, in case I / We become the lowest tenderer, within a week of the opening of financial bid, otherwise, department may reject the tender and also take action to debar me / us from tendering in any form in IIT Delhi"**
21. Copy of enlistment order and certificate of work experience and other documents as specified in the Press Notice / web notice shall be scanned and up-loaded to the e-Tendering website within the period of bid submission. However, certified / original copy of all the scanned and up-loaded documents as specified in press notice web / notice shall have to be submitted by the lowest bidder only along with physical EMD of the scanned copy of EMD uploaded within a week physically in the office of e-tendering authority and it shall be sole responsibility of lowest bidder.
22. Online bid documents submitted by intending bidders shall be opened only of those bidders whose 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 a revised financial

bid it shall be mandatory to submit a 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 and 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 the last date of submission of bid.

26. The 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 or through RTGS/ NEFT with UTR details/offline mode, 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. (Affidavit shall be purchased / notarized between date of publishing and last date of submission of bids beside this NIT / Tender ID and name of work must be mentioned on the affidavit.).**
6. Acceptance to execute INTEGRITY PACT.
7. Undertaking as per 'S.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, then 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.No. 1 to 10 are mandatory for technical qualification and documents mentioned at S.No. 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(2021/007/0710)

Copy to: -

1. Institute Engineer, for information.
2. D.R. (Works Accounts)
3. D.R. (A/Cs) – for opening of tenders **on 13/08/2026 at 3:00 PM** in the office of D.R. Store.
4. NIT: - Publicity on Website on Institute as well as on CPP portal <http://eprocure.gov.in> may be ensured as per instruction issued.
5. E-tendering Web. <http://eprocure.gov.in/eprocure/app> or www.iitd.ac.in

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

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

1. The enlistment of the contractors should be valid on the last date of submission of tenders. In case the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tenders.
 - 1.1 The work is estimated to cost **as per tender notice**. This estimate, however, is given merely as a rough guide.
 - 1.2 Details of criteria for eligibility As Indicated in “INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e- TENDERING FORMING PART OF NIT AND TO BE POSTED ON WEBSITE”
 - 1.3 **To become eligible for the issue of tender, the tenderer shall have to furnish an affidavit on Rs.100/-nonjudicial stamp paper 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 the Department before the 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/app> or iitd.ac.in or e-procure.gov.in **free** of cost.
6. After submission of the bid the contractor can re-submit the revised bid any number of times but before the 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 a revised financial bid, then it shall be mandatory to submit a 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 a bank guarantee also. In such case, 50% of earnest money or Rs.20 lakh, whichever is less, will have to be deposited in shape prescribed above, and balance in shape of Bank Guarantee of any scheduled bank which is to be scanned and uploaded by the intending bidders. Interested contractor who wish to participate in the bid has also to make following payments in the form of Demand Draft/Pay order or Banker’s Cheque of any Scheduled Bank and to be scanned and uploaded to the e-Tendering website within the period of bid submission:
<http://eprocure.gov.in/eprocure/app>.
10. The bid submitted shall become invalid if:
 - (i) The bidders are found not eligible.
 - (ii) The bidders do not upload all the documents (including GST registration/ **other documents as per Tender Notice**) as stipulated in the bid document.
 - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically in the office of tender opening authority.
 - (iv) The lowest bidder does not deposit physical EMD within a week of opening of tender.
11. The time & date of submission & opening of financial bid of contractors qualifying the **criteria as per Tender Notice** shall be communicated to them at a later date.
12. The contractor whose bid is accepted, will be required to furnish performance guarantee of **(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 within the period specified in Schedule F. 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 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 the Board of Governors reserves to himself the right to accept 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 as 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. 5,00,386/-
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 & Electrical Works/Electrical Works/Fleet Management/ Computer Systems)	Civil & Electrical Work	
Source of Fund (Institute/Project)	Rehabilitation /Renovation (Furniture And Fixtures)35.04.01(2021/007/0710)	
Is Multi Currency Allowed	No	
Date of Issue/Publishing	05/08/2026 (15.00 Hrs)	
Document Download/Sale Start Date	05/08/2026 (15.00 Hrs)	
Document Download/Sale End Date	12/08/2026 (15.00 Hrs)	
Date for Pre-Bid Conference	Nil	
Venue of Pre-Bid Conference	---	
Last Date and Time for Uploading of Bids	12/08/2026 (15.00 Hrs)	
Date and Time of Opening of Technical Bids	13/08/2026 (15.00 Hrs)	
EMD	Rs.5,00,386/-	(To be paid through RTGS/NEFT/Offline Mode. IIT Delhi Bank details are as under:) Name of the Bank A/C : Registrar IIT Delhi. Account 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) <u>or as per NIT/ Tender notice</u>
No. of Covers (1/2/3/4)	02	
Bid Validity days (30/75)	75 days (From the last date of Submission of bid)	
Address for Communication	Office of the Executive Engineer (CD-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	

EE (CD-III)

EE(ED-1)

AEE(E)

AE(C)

JE(E)

Instructions for Online Bid Submission:

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

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

REGISTRATION

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

SEARCHING FOR TENDER DOCUMENTS

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

PREPARATION OF BIDS

1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black and white option.
4. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

1. Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before

the bid submission time. Bidder will be responsible for any delay due to other issues.

2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
3. Bidder has to select the payment option as “on-line” to pay the EMD as applicable and enter details of the instrument. Whenever EMD is sought, bidders need to pay the EMD separately on-line through RTGS (Refer to Schedule, **Page No.10**).
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 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 <http://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 has to be submitted online 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. The 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

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, IIT 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 & Electrical Work / Building work/ Building & Road / Composite works for the work of “**Renovation of toilets in Himadri hostel at IIT Delhi. Sub Head-Civil & Electrical Work.**”

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 tender.

1.1 The work is estimated to cost **Rs.2,50,19,267/-** 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 the 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 indicate 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 the 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 the 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 the 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

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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 the revised bid any number of times but before the 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 a revised financial bid, then it shall be mandatory to submit a revised financial bid. If not submitted, then the tender submitted earlier shall become invalid.
9. 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.
10. 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
11. The contractor whose bid is accepted, will be required to furnish **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 within the period specified in Schedule F.** 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 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.
12. 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

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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.

13. 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 conditions are not fulfilled or any condition including that of conditional rebate is put forth by the bidder shall be summarily rejected.
14. 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.
15. The competent authority on behalf of the Board of Governors reserves for himself the right to accept the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted.
16. 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 as 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 people 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 the bidding process in future in IIT Delhi.
17. 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.
18. The bid for the works shall remain open for acceptance for a period of **Seventy Five (75)** days from the last date of submission of bid, if any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the IIT Delhi shall, without prejudice to any other right or remedy, the bidder shall be debarred for tendering in IIT Delhi for a period of one year.
19. This notice inviting a 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:-
 - a) 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.
20. In case any discrepancy is noticed between the documents as uploaded at the time of submission of the bid online and hard copies as submitted physically in the office of Executive Engineer, then the bid submitted shall become invalid and the IIT Delhi shall without prejudice to any other right or remedy, the bidder shall be debarred for tendering in IIT Delhi for a period of one year.
21. **For composite Bid:**
 - 21.1 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 to the combined estimate cost put to tender for the composite bid.
 - 21.2 The bid document will include the following three components: -

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PART A :	IITD-6, IITD-7/8 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. (Institute Engineer/EE Engineer-in-charge of major components 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.
21.3	The bidder must associate himself with experienced agencies of the appropriate class eligible of bid for each of the minor components individually.
21.4	The eligible bidders shall quote rates for all items of major component as well as for all items of minor component of work.
21.5	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. One such signed set of agreement shall be handed over to EE (ED-I) in charge of minor component. EE (CD-III) of major component will operate Part-A of schedule of quantity and EE (ED-I) in charge of minor component shall operate Part-B of schedule of quantity.
21.6	Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.
21.7	Security Deposit will be worked out separately for each component corresponding to the tender value of the respective component of works.
21.8	The main contractor has to associate agency(s) for minor component (s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency (s) to Engineer-in-charge of minor component(s) within prescribed time, Name of agency (s) to be associated shall be approved by Engineer-in-charge of minor component(s).
21.9	In case the main contractor wants to change 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 Engineer-In-Charge can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.
21.10	The main contractor has to enter into an 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 [CD-III] and EE (ED-I), in charge of major and minor component. In case of change of associate contractor, the main contractor has to enter into agreement with the new contractor associated by him.
21.11	Running payment for the major component shall be processed by EE (CD-III) of major component to the main contractor. Running payment of minor components shall be made by EE (ED-I) of minor component directly to the main contractor.
21.12	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.
21.13	Final bill of whole work shall be finalized and paid by the EE(CD-III) of major component. EE (ED-I), 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**IITD**

To,

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.....

Subject: -NIT No/IITD/EE (CD-III)/2026-27 for the work of “Renovation of toilets in Himadri hostel at IIT Delhi. Sub Head-Civil & Electrical Work.”

Dear Sir,

It is hereby 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	IITD
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(To be signed by bidder and upload the scanned copy)

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

Subject: -Submission of Bid for the work of: Renovation of toilets in Himadri hostel at IIT Delhi.
Sub Head: - Civil & Electrical Work.

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 line with Article 1 of the enclosed Integrity Agreement.

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

Yours faithfully

(Duly authorized signatory of the Bidder)

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

INTEGRITY AGREEMENT

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

BETWEEN

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

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

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

AND

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

WHEREAS the Principal / Owner has floated the Tender (NIT No.) (Hereinafter referred to as

“**Tender/Bid**”) and intends to award, under laid down organizational procedure, contract for

.....

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

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

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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 endeavour 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)

3. 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.
4. 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.

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- 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 participates 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.
- 5. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 6. 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.**
- 7. 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 an 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 an 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

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

**On non- Judicial stamp paper of minimum Rs.100/-
(Guarantee offered by Bank to IIT Delhi in connection with the execution of contracts)**

FORM OF BANK GUARANTEE FOR EARNEST MONEY DEPOSIT / PERFORMANCE GUARANTEE.

Ref. _____ No. _____

Bank Guarantee No. _____

Dated: _____

To
The Registrar
Indian Institute of Technology Delhi,
Hauz Khas, New Delhi – 110 016

Dear Sir,

- Whereas the Executive Engineer (name of division) IIT Delhi on behalf of the Board of Governors, IIT Delhi (hereinafter called "The Government") has invited bids under.....(NIT number) dated..... for (Name of Work) The Government has further agreed to accept an irrevocable Bank Guarantee for Rs. (Rupees only) valid up to (date)*..... as **Earnest Money Deposit** from (name and address of the contractor) (herein called "the Contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT.

OR**

Whereas the Executive Engineer (name of division), IIT Delhi on behalf of the Board of Governors, IIT Delhi (hereinafter called "The Government") has entered into an agreement bearing number with(name and address of the contractor) (hereinafter called "the Contractor") for execution of work..... .. (name of work). The Government has further agreed to accept an irrevocable Bank Guarantee for Rs. (Rupees only) valid up to (date) as **Performance Guarantee / Security Deposit / Mobilization Advance** from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement

- We, (indicate the name of the bank) (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs (Rupees ... only) on demand by the Government within 10 days of the demand.
- We, (indicate the name of the bank), do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs (Rupees.....only).
- We, (indicate the name of the Bank), further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.
- We, (indicate the name of the Bank), further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to

vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Contractor or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. We, (indicate the name of the Bank), further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.
7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.
8. We, (indicate the name of the Bank), undertake not to revoke this guarantee except with the consent of the Government in writing.
9. This Bank Guarantee shall be valid up to unless extended on demand by the Government.
Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs.(Rupees only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

(Signature)

Full Name:

Designation:

Name & Address of Bank (in legible letters):

Stamps of Attorney as per Power of Attorney No.:

Dated: _____

Witness: 1

Witness: 2

Signature

Signature

Full Name and Address

Full Name and Address

***Date to be worked out on the basis of validity period of 180 from the date of submission of tender.**

****In paragraph 1, strike out the portion not applicable. Bank Guarantee will be made either for earnest money or for performance guarantee/security deposit/mobilization advance, as the case may be.**

PERFORMANCE GUARANTEE

1. **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 in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract agreement, (not withstanding and/or without prejudice to any other provisions in the contract) within period specified in Schedule 'F' from the date of issue of letter of acceptance.** This period can be further extended by the Engineer-in-Charge up to a maximum period as specified in schedule 'F' on written request of the contractor stating the reason for delays in procuring the Performance Guarantee, to the satisfaction of the Engineer-in-Charge. This guarantee shall be in the form of Cash (in case guarantee amount is less than Rs. 10,000/-) or Deposit at Call receipt of any scheduled bank/Banker's Cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay Order of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the form annexed hereto. In case a fixed deposit receipt of any Bank is furnished by the contractor to the Government as part of the performance guarantee and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the Government to make good the deficit.
2. **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 the completion certificate for the work by the competent authority, the performance guarantee shall be returned to the contractor, without any interest.
3. 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.
4. 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 titles 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 the 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

S.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 as per Notice Inviting Tender Condition 1.3 page 8 of NIT. (Affidavit shall be purchased/ notarized between date of publishing and last date of submission of bids beside this NIT/Tender ID and name of work must be mentioned on the Affidavit)	
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.	Valid Electrical License.	
12.	Annexure-1 (Dully Filled & signed by the bidders)	
13.	Annexure 2 (Dully Filled & signed by the bidders)	
14.	Annexure 3 (Dully Filled & signed by the bidders)	
15.	Any other documents given in NIT	
16.	BOQ	

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

Signature of Bidder(S)

Name: _____

Designation: _____

Organization Name: _____

Contact No. : _____

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

I/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/We have gone through the specifications, 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 the Tender Notice & NIT & IITD form 8Tender. I/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	
9.(In case of on-line payment of EMD) UTR No. (For EMD)	

(Signature of the Tenderer)

Name:

Seal of the Company

PART-B

IITD – 7/8 E-TENDERING	IITD
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INDIAN INSTITUTE OF TECHNOLOGY DELHI

HAUZ KHAS, NEW DELHI - 110016

Item Rate Tender & Contract for Composite Work

Tender for the work of: **Name of work: Renovation of toilets in Himadri hostel at IIT Delhi.**

Sub Head: -Civil & Electrical Work.

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

.....

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

.....

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

Issued to

Signature of officer issuing the documents

Designation.....

Date of Issue

TENDER

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

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

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

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

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

IITD – 7/8 E-TENDERING**IITD**

I/We undertake and confirm that eligible similar work(s) has/have not been executed through another contractor on a back-to-back basis. Further that, if such a violation comes to the notice of the 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 the Department before the 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:

IITD – 7/8 E-TENDERING	IITD
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ACCEPTANCE

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

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

(a)

(b)

(a)

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

.....

Dated:

Designation

PROFORMA OF SCHEDULES**IITD****SCHEDULES (A to F)****(For Civil & Electrical Component)****SCHEDULE 'A'**

Schedule of quantities.

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 by 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 of toilets in Himadri hostel at IIT Delhi. Sub Head: -Civil & Electrical Work.
Estimated cost of work:	:	Rs.2,50,19,267/-
Earnest Money:	:	Rs. 5,00,386/-
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 the gross work done, limiting maximum up to tender value.

SCHEDULE 'F'**GENERAL RULES & DIRECTIONS:**

- | | | | |
|----|--|---|-----------------------------|
| 1. | Officer inviting tender | : | Executive Engineer [CD-III] |
| 2. | Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.5 | : | See Clause-12 |

Definitions:

- | | | | |
|--------|--|---|--|
| 2(i) | Engineer-in-Charge | : | Executive Engineer (CD-III) |
| 2(ii) | Accepting Authority | : | Executive Engineer (CD-III) |
| 2(iii) | Percentage on cost of materials and Labour to cover all overheads and profits: | : | 15% |
| 2(iv) | Standard Schedule of Rates: | : | Civil & Electrical Work: DSR-2023 for Civil work - GST Correction Factor 0.973 + 3% cost Index and DSR-2025 (E&M) for Electrical 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, : 5 days

Clause 2

Authority for fixing compensation under clause 2: : Institute Engineer

Clause 5

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

MILESTONE CHART

Sl. No.	Description of milestone (financial terms)	Period for completion from date of start in days/months	Withheld amount for non- achievement of milestone.
	NA	NA	NA
	NA	NA	
	NA	NA	
	NA	NA	

Time Allowed for execution of work : **12 Months**

Authority to decide:

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

Clause (6) : Applicable (Computerized MB)

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 -30.00 Lakhs
Electrical work- 2.50 Lakhs

Clause -7A

: **As per Institute Policy**

No running account bill shall be paid for the work till the applicable labour licenses, 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 percentage 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.	Cement		
3.	Reinforcement bars		
4.	Structural steel		

Clause 10CC

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

Not Applicable

Clause 11

Specifications to be followed for execution of work. : CPWD specifications 2019 Vol I and Vol II for Civil & Electrical Work with up-to-date correction slips & manufacturers Specifications up to last date of submission of bid/uploading of tender.
Detailed nomenclature of items & specifications for market rate items as per directions of 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: Any dispute arising out of or in connection with this agreement shall be subject to the exclusive jurisdiction of the courts of Delhi, India. The parties agree not to refer any such dispute to arbitration.

Clause 32**Requirement of Technical Staff(s) & Recovery Rate**

Cost of Work (Rs. In Crores)	Requirement of Technical Staff		Minimum experience (Years)	Designation of the Technical Staff	Rate at which recovery shall be made from contractor in the event of not fulfilling the provision of clause 32
	Qualification	Number			
More than 1.5 Cr to 5.0 cr.	Graduate Engineer or Diploma Engineer	01(Civil) +01 (E&M)	2 or 5 respectively	Project Manager Cum 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.25 lakh.	3% plus/minus. (Three percent)
	For works with estimated cost put to tender more than Rs.25 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	Nil

SPECIAL CONDITIONS

1. Non-Judicial stamp paper worth Rs.100/- (Ten Hundred only) will be submitted by the contractor which will have to be signed as token of acceptance.
2. No T & P will be supplied by the Institute and the contractor will have to make his own arrangement.
3. The contractors are advised to get acquainted with the proposed work including specifications & its site and additional conditions carefully before quoting. No claim of any sort shall be entertained on account of any site conditions and ignorance of specifications & additional conditions. The work shall be carried out as per the availability of site.
4. The work shall be carried out as per CPWD specifications for civil and electrical work with up – to date correction slips unless otherwise specified in the nomenclature of individual item or in the specification, additional conditions where specifications are silent, the decision of Engineer-in-Charge shall be final and binding on contractor.
5. The rates quoted by the contractor shall be taken as net and nothing extra shall be paid on any account i.e Royalty, Cartage, GST & stacking of material required at places etc. The rates for different items of work shall apply for Heights & Depths, Leads & Lifts unless otherwise specified in the agreement or specifications applicable in the agreement.
6. Any damage done by the contractor to any existing item / any part of the building during the course of execution of work shall be made good by at his own cost.
7. Articles manufactured by the reputed firms as per approved make list and as approved by Engineer-in-charge shall only be used at work.
8. The sample of material required in the work brought at site shall be submitted prior technical specification of individual item and got approval of material from Engineer –in-Charge before use in execution of work.
9. **The sample materials required for the testing shall be provided free of cost by the contractor. All other expenditure to be incurred on taking samples, conveyance, packing and testing charges etc. shall be borne by the contractor.**
10. The contractor shall submit a detailed program of work within 3 days of the date of award of work. The Engineer-In-Charge can modify the program, and the contractors have to work accordingly.
11. The contractor shall make his own arrangement to get permission with respect to trucks from the Traffic Police.
12. No payment shall be made to the contractor for any damage caused by the rain, snowfall or any other natural causes whatsoever 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 and 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, construction 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 to 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 off 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. The 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% labour cess or as applicable will be deducted from the bills of the contractor.
20. Water charges 1% and Electricity charges @0.50% of gross work done shall be deducted from bills of the contractor, if electricity and water provided by IIT Delhi.
21. Agency has to take proper safety majors during the execution of work.
22. **GCC form 7/8 shall form part of NIT, and the bidder shall go through GCC 2020 CPWD before quoting rates and the same shall be deemed to be accepted by bidder if he participates in the tender.**
23. The 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.
24. GST shall consider as inclusive in quoted rate of agency.

FORM OF WATER PROOFING WORKS GUARANTEE BOND ON STAMP PAPER

This agreement made this....day of two thousand....between M/s....(Hereinafter called the Guarantor of the one part) and the BOG IIT Delhi (hereinafter called the Govt. of the other part).

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

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

NOW THE GUARANTOR hereby guarantees that water proofing treatment given by him will render the structures completely leak-proof and the minimum life of such water proofing treatment shall be five years to be reckoned from the date after the maintenance period prescribed in the contract.

Provided that the guarantor will not be responsible for leakage caused by earthquake or structural defects or misuse of roof or alteration and for such purpose:

- (a) Misuse of roof shall mean any operation which will damage proofing treatment, like chopping of firewood and things of the same nature which might cause damage to the roof;
- (b) Alteration shall mean construction of an additional storey or a part of the roof or construction adjoining to existing roof whereby proofing treatment is removed in parts;
- (c) The decision of the Engineer-in-Charge with regard to cause of leakage shall be final.

During this period of guarantee the guarantor shall make good all defects and in case of any defect being found, render the building water-proof to the satisfaction of the Engineer-in-Charge at his cost, and shall commence the work for such rectification within seven days from the date of issue of the 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. The decision of the Engineer- in-Charge as to the cost, payable by the Guarantor shall be final and binding.

That if GUARANTOR fails to execute the water proofing or commits breach thereunder then the GUARANTOR will indemnify the 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 supplementary 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)

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 or 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
SI. No. 4	No Provision	4. A bid will be treated as abnormally low if the quoted bid amount is lesser than 80% of the estimated cost put to tender.
SI. No. 5	No Provision	5. Requirement of Additional Performance Guarantee (APG): In case of abnormally low bids as defined above, the bidder shall be required to submit Additional Performance Guarantee (APG) in addition 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 to be submitted within the time frame prescribed for submission of Performance Guarantee. The other terms and conditions of release etc. of APG shall be same as that of PG.

LIST OF PREFERRED MAKES FOR CIVIL & ELECTRICAL ITEMS

S. No.	Description	Approved Makes
1.	EWC Seat Covers	HINDWARE/PARRYWARE/ CERA / KEROVIT
2.	C.P Brass Fittings/ Accessories	JAQUAR / MARC / KOHLAR / KEROVIT
3.	PVC Seat Covers	PRAYAG / POLYTUF / SHAKTI / PEARL
4.	PVC Fitting / 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 MANUFACTURER HAVING VALID BIS LICENSE (TO BE AS PER LATEST BIS PROVISIONS)
8.	Structural Steel	PRIMARY MANUFACTURERS APPROVED BY MINISTRY OF STEEL / SECONDARY MANUFACTURER 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 GOBIN/ 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.	Waterproof Cement Paint/ Exterior Paint	1ST QUALITY PAINTS OF ASIAN PAINTS / BERGER/ NEROLAC/SHALIMAR/ DULUX
22.	Sanitary ware (Vitreous China) (European Seats, Urinals, Wash Basins, etc.)	HINDWARE/ PARRYWARE/ CERA / KEROVIT
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/ MODIGUARD/ SAINT GOBAIN/ AASHI
32.	Vertical Blinds	VISTA/ MAC/ MARVEL DÉCOR/ SAINT GOBAIN / DECK DECOR
33.	False Ceiling	ARMSTROBG/ SAINT GOBAIN/ META WORTH

S. No.	Description	Approved Makes
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 / KAJARIYA
37.	Tile Adhesive	PIDILITE/ FERROUSCRETE/ BALLNDURA/ CICO
38.	Wall Putty	BIRLA / JK/ SARA
39.	Epoxy Grout	BALLENDURA/ KERAKOLL/ FERROUSCRETE
40.	PVC Water storage tank (ISI marked)	SINTEX/ UNI PLAST/ POLYWELL
41.	PVC insulated water storage tank Heavy duty. 4/5 layer	SINTEX/ UNI PLAST/ POLYWELL/ EURO
42.	Brass Ball Valve/ Gate Valve/ Float Valve	ZOLOTO/ AM/ LEADER/ SANT
43.	Aluminum Door Fittings	CLASSIC/ EVEREST/ ARGENT
44.	Brass Bib / Stop Cock	AGI/ ELITE/ SHAKTI/ SANT/ LEADER/ PRIMA
45.	Thermoplastic Paint	CBM/ CMS/ S.N. INDUSTRIES
46.	Plaster of Paris Putty	ADHARSHREE/ SHREE RAM/ J.K./ BIRLA
47.	Rcc Pipe	LAKSHMI/ SOOD & SOOD/ JAIN & CO. / DIWAN SPUN PIPES
48.	Pvc Pipe	PRAKASH/ PRINCE/ SUPREME
49.	Sandwich Roof Panel (Puff Panel)	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.	Poly Carbonate Sheet	GE LEXAN / POLYGAL/ TUFLITE
54.	Acp Panel	ALSTRONG/ ALUCOBOND/EUROBOND/ ALUDECOR
55.	Acoustic Wooden/ Fabric Paneling	ARMSTRONG/ ANUTONE/CREDENCE/ TOPAKUSTIC
56.	Polyvinyl Flooring	ARMSTRONG / POLY FLOR/ TARKETT
57.	Glow Stud, Solar Power Stud	ROAD STAR / 3M / DARK EYE /EVERY DENNISON
58.	Laminate Wooden Flooring	VISTA/ ACTION TESA/ ARMSTRONG/ PERGO
59.	Sun Control Film	3M/ GARWARE/ SAINT GOBAIN
60.	Insulation (Mineral/Rock Wool)	UP TWIGA 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.	Fibre Cement Board	EVEREST / USG BORAL / VISAKA
67.	CPVC Pipe Fitting & Solvent	SUPREME / ASTRAL / ASHIRWAD / PRINCE / PRAKASH
68.	UPVC Pipes & Fittings	SFMC / SUPREME / FINOLEX
69.	UPVC Window	FENESTA / REHAU / ENCRAFT / (NCL Wintech) / SAINT GOBAIN
70.	Friction Stay Hinges	EARL. VIHARI / 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

S. No.	Description	Approved Makes
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 / PECKOCK
91.	Manhole cover / Grating	KK MANGOLE / DALAL / SWASTIK / HINDUSTAN
92.	Laminate Wooden flooring	VISTA / ARMSTRONG / ACTION TESSA
93.	Engineered wood Flooring	PERGO / JUNKEPS / BOEN / SQUARFOOT
94.	SS Pipe (304 Grade) FOR WATER SUPPLY	JINDAL / TATA / ALFA PRESS / VIEGA
95.	Epoxy flooring	FOSROC / SIKA / BASF

E & M Items

S. No	Description	Approved Makes
1.	MCB(10KA)/ Isolators & MCB DB with End Box.	Legrand / Siemens/ Lauritz knudsen / ABB/ Schneider
2.	MCCB	Legrand / Siemens/ Lauritz knudsen / Havells/ C&S
3.	MCCB BOX	Legrand / Siemens/ Lauritz knudsen / Havells/ C&S
4.	Modular type switch/ socket, TV socket, Fan Regulator.	Lauritz knudsen / ABB/ Wipro North West/ Legrand (Arteor/ Myrius)/ Schneider (Zencelo),Anchor-ROMA.
5.	Steel conduit pipe and Accessories (ISI)	BEC/ AKG/ NIC / Steel Krafts
6.	PVC conduit pipe and Accessories(ISI)	BEC/ AKG/ NIC
7.	Junction Boxes/ MS Boxes	Lauritz knudsen / ABB/ Wipro North West/ Legrand (Arteor/ Myrius)/ Schneider (Zencelo),Anchor-ROMA
8.	Electronic Fan Regulator	Lauritz knudsen / ABB/ Wipro North West/ Legrand (Arteor/ Myrius)/ Schneider (Zencelo),Anchor-ROMA.
9.	FRLS PVC insulated copper conductor cable / Wire	Polycab / Finolex / Havells/KEI
10.	LED Light Fixture	Philips/ Trilux/ Crompton/ Wipro/ Havells
11.	Ceiling Fans (BLDC) & Wall Fan	Havells/ Atomberg/ Bajaj/ Crompton/USHA.
12.	Exhaust Fan/ Fresh Air Fan	Havells/ Bajaj/ Crompton/USHA.
13.	Industrial type socket	Legrand / Siemens/ Lauritz knudsen / ABB/ Schneider
14.	DLP U-PVC channel & accessories	Schneider / Legrand or Equivalent
15.	Modular Plate & Cover Plate	Lauritz knudsen / ABB/ Wipro North West/ Legrand (Arteor/ Myrius)/ Schneider (Zencelo),Anchor-ROMA
16.	Distribution Board	Legrand / Siemens/ Lauritz knudsen / ABB/ Schneider.
17.	XLPE Alumium/ Copper conductor Armoured Power cables	Havells/ Polycab/ RR kabel/ KEI/ Universal
18.	Digital Multifunction Meter	Lauritz knudsen / AE/ Schneider/ Rishabh/ HPL
19.	Ammeter	Lauritz knudsen / AE/ Rishabh/ Kaycee / Meco / Enercom
20.	Voltmeter	Lauritz knudsen / AE/ Rishabh/ Kaycee / Meco / Enercom
21.	Frequency Meter	Digitron / AE/ Rishabh/ Meco / Keltron

S. No	Description	Approved Makes
22	CT's	AE/ KAPPA/ Pragati
23	Selector Switches	AE/ Kaycee/ Vaishno
24	Contractors	Lauritz knudsen / Seimens/ GE power/ Legrand/ Havells
25	Push button	Lauritz knudsen / BCH/ Siemens / Vaishno
26	Indicating LED Lamp	Lauritz knudsen / Seimens/ AE / Kaycee
27	GI Pipe	Jindal / SAIL/ Tata
28	HDPE Pipe	Reliance/ Duraline/ Hasti
29	Cat 6 LAN Cable	Legrand/ Molex/ Amp
30	Access Control System	Bosch/ Honeywell/ Nextwatch/GE-Casi
31	Intruder Alarm System	Ademco/ Bosch/ DSC/ Honeywell
32	Cable raceway floor/ wall mounted & Accessories(MS/G.I)	Legrand/ AKG/ BEC/ ESSAR/ Honeywell/ Godrej.
33	Sandwitch Bus trunking/ Rising Main	C&S/ Lauritz knudsen / Schneider/ ABB
34	Telephone wire	Delton/ Finolex/ Havells/ Skytone
35	Occupancy Sensor	Wipro/ Schneider/ Honeywell/ Seimens/ Bosch
36	Gooseneck Microphone	Televic/ Beyerdynamic/ Bosch/ Bose/ Sennheiser
37	Amplifier	Crown/ Extrom/ Crestron
38	24 Port Switch	Cisco/ Netgear/ Hp/ Juniper
39	8 Port LIU	Legrand/ AMP/ Molex
40	16 Port Gigabit POE Switch	Netgear/ Juniper/ Cisco
41	HDMI/ USB Cable	AMX/ Crestron/ Manhattan
42	AV Speaker	JBL/ Bosch/ Bose/ Sony
43	CCTV Camera	Pelco/ Bosch/ Honeywell
44	DVR (Digital Video Recorder)	Bosch/ Honeywell/ Pelco
45	Fire Suppression System	Minimax/ Ceasefire/ Ansul
46	Fire Panel	Johnson Control / Notifier / Bosch / Fike.
47	PA System	Notifier/ Johnson Control/ Fike/ Cooper/ Bosch
48	Addressable Heat/ Smoke detector/ Hooter/ RI/ Pull station/	Johnson Control/ Notifier / Bosch / Mircom / Fike.
49	Conventional Heat/ Smoke detector/ Hooter/ RI/ Pull station/	System Sensor/ Cooper/ GST/ Ravel/ Fike/ Essar/ Honeywell/ Bosch/ Bental
50	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 field return of GST.	.PDF
5.		Affidavit as per Notice Inviting Tender Condition 1.3 at page no. 8 of NIT. (Affidavit shall be purchased/ notarized between date of publishing and last date of submission of bids beside this NIT/Tender ID and name of work must be mentioned on the affidavit.).	.PDF
6.		Acceptance to execute INTEGRITY PACT.	.PDF
7.		Undertaking as per on firm`s letter head. “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.		Valid Electrical License.	
12.		Annexure-I (duly filled & signed by the bidders)	.PDF
13.		Annexure-II (duly filled & signed by the bidders)	.PDF
14.		Annexure-III (duly filled & signed by the bidders)	.PDF
15.		Any other documents specified in NIT	.PDF
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 of toilets in Himadri hostel at IIT Delhi.

Sub Head: Civil & Electrical Work.

S.No	Description	Qty	Unit	Rate	Amount
1.	Carriage of Materials				
2.	By Mechanical Transport including loading, unloading and stacking				
3.	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge. Note - Item to be applicable in urban areas having directions for restricted hours for movement/plying of load carrying motor vehicle of 3.5 cum or more.	200	cum		
4.	EARTH WORK				
5.	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
6.	All kinds of soil.	5	cum		
7.	CEMENT CONCRETE (CAST IN SITU)				
8.	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
9.	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	113.2	cum		
10.	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources: 8 graded stone aggregate 40 mm nominal size derived from natural sources)	10	cum		
11.	REINFORCED CEMENT CONCRETE				
12.	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement:				

13.	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)	4.7	cum		
14.	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
15.	Thermo-Mechanically Treated bars of grade Fe-500D or more.	100	kg		
16.	MASONRY WORK				
17.	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 :				
18.	Cement mortar 1:4(1 cement :4 coarse sand)	10.82	cum		
19.	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.				
20.	Cement mortar 1:4(1 cement :4 coarse sand)	117.6	sqm		
21.	CLADDING WORK				
22.	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.				
23.	Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble				
24.	Area of slab upto 0.50 sqm	8.06	sqm		
25.	Area of slab over 0.50 sqm	206.89	sqm		
26.	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	156.8	metre		
27.	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.	82	each		

28.	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3(1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	3227.61	sqm		
29.	WOOD AND P. V. C. WORK				
30.	Extra for providing frosted glass panes 4 mm thick (weight not less than 10 kg per sqm) instead of ordinary float glass panes 4 mm thick (weight not less than 10 kg per sqm) in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).	52.72	sqm		
31.	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:				
32.	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	49.71	sqm		
33.	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete (Copper oxidised as per IS 1378)				
34.	250x16 mm	28	each		
35.	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 :				
36.	250x16 mm	28	each		
37.	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 :				
38.	200x10 mm	184	each		
39.	150x10 mm	184	each		
40.	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 :				
41.	125 mm	368	each		

42.	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.				
43.	1.0 mm thick	99.41	sqm		
44.	STEEL WORK				
45.	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.				
46.	Hot finished welded type tubes	50	kg		
47.	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.				
48.	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	50	kg		
49.	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, bufing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	927.71	kg		
50.	FLOORING				
51.	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) bedding in laying of floor tiles and jointing with grey cement slurry @ 3.3 kg/ sqm.	-903.73	sqm		
52.	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3 mm thickness.	903.73	sqm		
53.	FINISHING				
54.	12 mm cement plaster of mix:				
55.	1:4(1 cement: 4 fine sand)	100	sqm		
56.	15 mm cement plaster on the rough side of single or half brick wall of mix:				
57.	1:4(1 cement: 4 fine sand)	250	sqm		
58.	6 mm cement plaster of mix:				

59.	1:3(1 cement :3 fine sand)	418.88	sqm		
60.	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour:				
61.	New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	808.43	sqm		
62.	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
63.	Two or more coats on new work	150.8	sqm		
64.	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.	808.43	sqm		
65.	REPAIRS TO BUILDING				
66.	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.				
67.	With cement mortar 1:4 (1 cement : 4 fine sand)	100	sqm		
68.	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challoes, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge. The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding. Note: - This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done.	200	sqm		

69.	Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in-charge.	8	each		
70.	Dismantling W.C. Pan of all sizes including disposal of dismantled materials including malba all complete as per directions of Engineer-in-Charge.	82	each		
71.	Dismantling 15 to 40 mm dia G.I. pipe including stacking of dismantled pipes (within 50 metres lead) as per direction of Engineer-in-Charge. (a) Internal Work- Exposed on wall	663.6	metre		
72.	Dismantling and Demolishing				
73.	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
74.	Nominal concrete 1:4:8 or leaner mix (including equivalent design mix)	269.4	cum		
75.	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	100	cum		
76.	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.				
77.	In cement mortar	7	cum		
78.	Dismantling dressed stone work ashlar face stone work, marble work or precast concrete work manually/ by mechanical means including stacking of serviceable and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge :				
79.	In cement mortar	4.13	cum		
80.	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
81.	Of area 3 sq. metres and below	241	each		
82.	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
83.	For thickness of tiles 10 mm to 25 mm	903.73	sqm		
84.	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge :				
85.	15 mm to 40 mm nominal bore	320.4	metre		

86.	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	83	each		
87.	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	250	sqm		
88.	SANITARY INSTALLATIONS				
89.	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:				
90.	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	52	each		
91.	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :				
92.	W.C. pan with ISI marked white solid plastic seat and lid	29	each		
93.	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
94.	Flexible pipe				
95.	32 mm dia	81	each		
96.	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	3	each		
97.	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	3	each		
98.	Providing and fixing toilet paper holder :				
99.	C.P. brass	3	each		
100.	Providing and fixing soil, waste and vent pipes :				
101.	100 mm dia				
102.	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	30	metre		

103.	Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including cost of cutting holes and making good the walls etc. :				
104.	For 100 mm dia pipe	10	each		
105.	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
106.	100 mm dia				
107.	Sand cast iron S&S as per IS - 3989	10	each		
108.	Providing and fixing plain bend of required degree.				
109.	100 mm dia				
110.	Sand cast iron S&S as per IS : 3989	10	each		
111.	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
112.	100x100x100 mm				
113.	Sand cast iron S&S as per IS - 3989	10	each		
114.	Providing and fixing terminal guard :				
115.	100 mm				
116.	Sand cast iron S&S as per IS - 3989	10	each		
117.	Providing and fixing collar :				
118.	100 mm				
119.	Sand cast iron S&S as per IS - 3989	10	each		
120.	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter :				
121.	100 mm	15	each		
122.	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :				
123.	100 mm inlet and 100 mm outlet				
124.	Sand cast iron S&S as per IS: 3989	80	each		
125.	Cutting chases in brick masonry walls for following diameter sand cast iron/ centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement : 3 coarse sand :6 graded stone aggregate 12.5 mm nominal size), including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 coarse sand) :				
126.	100 mm dia	28	metre		

127.	Providing and fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.	4	each		
128.	WATER SUPPLY				
129.	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				
130.	20 mm dia nominal bore	336	metre		
131.	25 mm dia nominal bore	126	metre		
132.	32 mm dia nominal bore	34.8	metre		
133.	40 mm dia nominal bore	34.8	metre		
134.	50 mm dia nominal bore	34.8	metre		
135.	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 :				
136.	15 mm dia nominal bore	210	metre		
137.	20 mm dia nominal bore	294	metre		
138.	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
139.	20 mm nominal bore	84	each		
140.	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
141.	25 mm nominal bore	5	each		
142.	Providing and fixing uplasticised PVC connection pipe with brass unions :				
143.	45 cm length				
144.	15 mm nominal bore	166	each		
145.	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :				
146.	100 mm diameter	80	each		
147.	Painting G.I. pipes and fittings with synthetic enamel white paint with two coats over a ready mixed priming coat, both of approved quality for new work :				
148.	20 mm diameter pipe	336	metre		
149.	25 mm diameter pipe	126	metre		
150.	32 mm diameter pipe	34.8	metre		
151.	40 mm diameter pipe	34.8	metre		
152.	50 mm diameter pipe	34.8	metre		
153.	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :				

154.	15 mm nominal bore	160	each		
155.	20 mm nominal bore	80	each		
156.	25 mm nominal bore	27	each		
157.	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	1000	per litre		
158.	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
159.	15 mm nominal bore	160	each		
160.	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.				
161.	15 mm nominal bore	80	each		
162.	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				
163.	15 mm nominal bore	160	each		
164.	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
165.	15 mm nominal bore	398	each		
166.	Providing and fixing C.P. Brass extension nipple (size 15 mm x 50 mm) of approved make and quality as per direction of Engineer-in-charge.	672	each		
167.	Providing and fixing PTMT grating of approved quality and colour.				
168.	Circular type				
169.	125 mm nominal dia with 25 mm waste hole	81	each		
170.	Cutting holes up to 30x30 cm in walls including making good the same:				
171.	With common burnt clay F.P.S. (non modular) bricks	82	each		
172.	Dismantling old C.I. pipes including excavation and refilling trenches after taking out the pipes, breaking lead caulked joints, melting of lead and making into blocks, including stacking of pipes at site lead up to 50 metre:				
173.	100 mm diameter C.I. pipe	360	metre		
174.	DRAINAGE				
175.	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x 300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:				

176.	100x100 mm size P type				
177.	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	4	each		
178.	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				
179.	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :				
180.	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	4	each		
181.	ALUMINIUM WORK				
182.	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) :				
183.	For fixed portion				
184.	Powder coated aluminium (minimum thickness of powder coating 50 micron)	560	kg		
185.	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)				
186.	Powder coated aluminium (minimum thickness of powder coating 50 micron)	200	kg		

187.	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):				
188.	With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	52.72	sqm		
189.	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.				
190.	Upto 5 mm depth and 5 mm width	308	metre		
191.	WATER PROOFING				
192.	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of: (i) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS : 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. (ii) IInd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. (iii) IIIrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area. (iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).	903.73	sqm		
193.	NEW TECHNOLOGIES AND MATERIALS				
194.	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge				
195.	25 mm average thickness	203	sqm		

196.	Cleaning of reinforcement from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge.				
197.	Bars upto 12 mm diameter	2626.82	metre		
198.	Drilling suitable holes in reinforced or plain cement concrete with power driven drill machine to a minimum depth of 100 mm upto 200 mm in RCC beams, lintels, columns and slabs to introduce steel bars for sunshades/ balconies including fixing the steel bars in position using epoxy resin anchor grout of approved make but excluding the cost of reinforcement, all complete as per direction of Engineer-In-Charge.				
199.	Upto and including 12 mm dia.	1827	each		
200.	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer- In-charge complete in all respect.				
201.	Epoxy bonding adhesive having coverage 2.20 sqm/kg of approved make	203	sqm		
202.	Providing and fixing hard drawn steel wire fabric of size 75 x25 mm mesh or other suitable size wire mesh to be fixed & firmly anchored to the concrete surface by means of "L" shaped mild steel shear key welded with existing reinforcement including the cost of materials, labour, tool & plants as approved by Engineer-in-charge.	203	sqm		

203.	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Clerestory windows & other Frames/ Chowkhat comprising of virgin PVC 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) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm ² , modulus of elasticity 900 N/mm ² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In- Charge. (M.S hold fast/lugs or SS dash fasteners shall be paid for separately). Note: For WPC solid door/window frames, minus 5 mm tolerance in dimensions i.e depth and width of profile shall be acceptable. Variation in profile dimensions on plus side shall be acceptable but no extra payment on this account shall be made.				
204.	Frame size 50 x 125 mm	722.88	metre		
205.	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter 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/mm ² , modulus of elasticity 850 N/mm ² 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 butt 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 butt hinges and necessary S.S screws shall be paid separately)				
206.	35 mm thick	202.37	sqm		
207.	NON SCHEDULE ITEMS				
208.	Providing and fixing C.P brass health faucet with SS flexible tube & stand (Make- Parryware - Model No - T9941A1) with all necessary accessories complete as per the instructions of Engineer-in-charge.	81	each		

209.	Dismantling of wall tiles including base plaster of any mix and thickness including stacking serviceable material and disposal of unserviceable material out side the premises.	2423.4	sqm		
210.	Providing, laying and jointing of foam concrete blocks (autoclaved aerated cement blocks) having density of 500kg / cum in cement mortar 1:4 (1 cement: 4 coarse sand) over the existing floor at all levels and lead as per direction of engineer-in-charge	323.14	cum		
211.	Providing & Fixing urinal Division Plate of Size (130 x 345 x 675mm) Model no- X0571 Magnum in Snow white colour as per direction of engineer in charge.	2	each		
212.	Providing, mixing and applying one coat over reinforcement bars zinc anti rust agent as per specification and direction of Engineer-in-charge (Dosage/coverage as per the site requirement). FAIR MATE (SAFE CORE R) Chipped surface area of concrete shall be measured for payment.	203	sqm		
213.	Providing mixing & applying pre-batched one component polymer modified dual shrinkage compensated thixotropic cementitious patch repair mortar as per the manufacturer specifications and as per the direction the Engineer-in-charge. The compressive strength of polymer modified mortar shall be ≥ 45 Mpa (28 Days) according to ASTM C109. (Product :- Renderock S2 of Fosroc/ SikaTop® 122 HS of Sika / MasterEmaco S 348 of BASF or equivalent of Pidilite)For 20 mm thickness over slab, beams, columns and stair case slabs.	203	sqm		
214.	Providing and fixing GI tank Nipple of approved make in PVC tanks as per directions of Engineer-In-Charge. 20 mm nominal bore	5	each		
215.	Providing and laying first quality 10mm thick vitrified anti skid floor tiles of size 300X300mm (make : Durastone by somany tiles / Endura by jonsons/ Power Paver by Orient tiles) conforming to IS : 4457 in all colours and shades laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including Pointing the jointes with white cement and matching pigments etc. complete as per direction of Engineer-In-Charge.	903.73	sqm		

216.	Providing and fixing wash basin (Oval shape) (make - Perry ware -Model no- Cascade NXT) with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:- (a) White Vitreous China Wash basin size 550x450x200 mm with a 15 mm CP Brass single hole basin mixer	81	each		
217.	Dismantling 15 to 40 mm dia G.I. pipe including stacking of dismantled pipes (within 50 metres lead) as per direction of Engineer-in-Charge. (a) Internal Work- concealed on wall	504	metre		
218.	Providing and fixing SS Braided Hose Pipe (Geyser connection hose pipe) (Make- Parryware -Model no T754099) (length 450 mm) pipe with brass unions	54	each		
219.	Providing and fixing 5 mm thick looking mirror of superior quality glass with teak wood taper beading frame of section 50x25mm of approved design and shade with necessary polishing and finishing work including 6 mm thick ISI both side commercial ply wood sheet at back side complete work as per directions of Engineer-in-charge	43.68	sqm		
220.	Providing and fixing soil, waste and vent pipes :A-150mm dia B-Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	300	metre		
221.	Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including cost of cutting holes and making good the walls etc. For 150 mm dia pipe	156	each		
222.	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. A-150 mm dia,B-Sand cast iron S&S as per IS - 3989	24	each		
223.	Providing and fixing plain bend of required degree. A-150 mm dia B-Sand cast iron S&S as per IS : 3989	12	each		
224.	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 150x150x150 mm Sand cast iron S&S as per IS - 3989	84	each		
225.	Providing and fixing terminal guard : 150mm, Sand cast iron S&S as per IS - 3989	12	each		

226.	Providing and fixing collar : (150 mm), Sand cast iron S&S as per IS - 3989	12	each		
227.	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : (150 mm)	400	joint		
228.	Cutting chases in brick masonry walls for following diameter sand cast iron/ centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement : 3 coarse sand :6 graded stone aggregate 12.5 mm nominal size), including necessary plaster and pointing in cement mortar 1:4 (1 cement : 4 coarse sand) :150 mm dia	168	metre		
229.	Credit of materials				
230.	Old Iron/Fencing/Scrap material	65	kg		
231.	Credit for dismantled old Brass and CP Brass items like bib cock, stop cock, sink mixer, basin mixer, CP waste, CP Angle Valve, Gate Valve etc.	399	Each		
232.	Flush door shutter of various thickness with fittings	187	each		
233.	PVC cistern of any size	83	Each		
234.	GI Pipe 15 mm to 40 mm dia	724	Meter		
235.	CI pipe upto 100 mm dia including fittings	360	Meter		
236.	Electrical Work				
237.	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.				
238.	Group B	224	Point		
239.	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.	56	Point		
240.	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.				
241.	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	980	Meter		
242.	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	840	Meter		
243.	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	700	Meter		

244.	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
245.	5/6 A switch	112	Each		
246.	2 way 5/6 A switch	56	Each		
247.	15/16 A switch	56	Each		
248.	3 pin 5/6 A socket outlet	112	Each		
249.	6 pin 15/16 A socket outlet	56	Each		
250.	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.	28	Each		
251.	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	10	Each		
252.	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required.				
253.	1 or 2 Module (75mmX75mm)	28	Each		
254.	3 Module (100mmX75mm)	56	Each		
255.	6 Module (200mmX75mm)	56	Each		
256.	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	224	Each		
257.	Supplying and fixing brass batten/ angle holder including connection etc. as required.	28	Each		
258.	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.				
259.	Group B	56	Point		
260.	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)				
261.	8 way , Double door	28	Each		
262.	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.				

263.	Single pole	336	Each		
264.	Double pole	28	Each		
265.	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.	28	Each		
266.	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.	28	Each		
267.	Supplying and fixing Cable End Box (Loose Wire Box) suitable for following single pole and neutral, sheet steel, MCB distribution board, 240 Volts, on surface/ recess, complete with testing and commissioning etc. as required.				
268.	For 10 way, Double door SPN MCBDB	28	Each		
269.	Supplying, Installation, Testing and commissioning of Passive Infrared (PIR) 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 5 m diameter coverage area along with necessary fixing arrangements i/c programming at site etc. complete as required.	28	Each		

270.	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°C to 40°C , 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				
271.	12 -15 watt	140	Each		

272.	LED Batten light (System lumen efficacy >135 lm/Watt) Supplying, installation, Testing & Commissioning of LED surface mounted Batten light of following body material and construction as per IS : 10322 with driver (Replaceable) 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, Flicker free (flicker should be below 5 %), life time (LED, Driver & electrical circuitry), 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 Color 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 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).				
273.	18- 22 Watt	84	Each		
274.	Brush Less Direct Current (BLDC) Fan without 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%, suitable for operation with regulator 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.				

275.	1050mm, service value ≥ 5.1 CM/Min/Watt, air delivery 150 CM/Min (Minimum)	28	Each		
276.	Supplying, installation DLP mini- trunking 32mm x 20mm with independent cover etc. complete as reqd.[Make Legrand]				
277.	PVC mini trunking with independent cover of size 32mm x 20mm size.	100	Metre		
278.	PVC mini trunking End cap left or right.	5	Metre		
279.	PVC mini trunking Internal/ External angle from 60°-120°	5	Each		
280.	PVC mini trunking Flat angle from 85°-95°	5	Each		
281.	PVC mini trunking Flat junction	5	Each		
282.	Dismantling/ Disconnecting old damages services.				
283.	Dismantling, disconnecting old damaged unserviceable fl fitting/ exhaust fan/ ceiling fan/ bulkhead fitting with bracket etc. as reqd.	28	Each		
284.	Dismantling of switch / socket /regulator etc. with wooden board as reqd.	28	Each		
285.	Dismantling damaged DB/TPN Switches/ loose wire boxes along with all accessories as required.	5	Each		
286.	Fans.				
287.	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	28	Each		
288.	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	56	Each		
289.	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.	56	Each		
290.	[--] Less Credit for Dismantled Materials.(These are tentative, may vary as per actual.)				
291.	Less buyback of old light fixture etc. on as is where is basis.	80	Each		
292.	Less buyback of 5/15 Amp Switch/ socket etc. on as is where is basis.	50	Each		

293.	Less buyback of old aluminium wiring on as is where is basis.	2	Lot		
294.	Less buyback of Old DB box/ Steel enclosure etc. on as is where is basis.	10	Each		
295.	Less buyback of Old and unserviceable MCB/ MCCB etc. on as is where is basis.	50	Each		
	Total Work Amount				

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. The site shall be available as per the directions of Engineer in Charge.
4. The quoted rates of participating agencies shall be inclusive of GST.
5. Engineer-in-charge may foreclose the work wherever desired, 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 be released after completion of defect liability period starting from foreclosure date.