

	Indian Institute of Technology Kanpur	IWD/«DIV»-1
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INDEX

Name of Work: Setting right of vacant house no. 181, Type-I

Sl. No.	Description	Page
1	Index Page	1
2	Notice inviting E-tenders	2
3	Information and e-Tendering for Contractors	3-4
4	Bid Document	5
5	Instructions for online bid submission	6-10
6	Notice Inviting Tenders (Form CPWD-6)	11-13
7	Annexure-A, B & C	14-15
8	Tender (Form CPWD-7)	16-22
9	Additional terms & conditions	23-27
10	Special terms and conditions	28-36
11	Scope of work	37
12	Integrity Agreement	38-43
13	Institute Master plan (zone-wise)	44

NIT amounting to Rs. 238525/- (Rupees Two Lac Thirty Eight Thousand Five Hundred Twenty Five Only) is approved.

[Certified that this N.I.T. contains 44 (Forty Four) pages]

**Executive Engineer
I.W.D. Div-I
I.I.T., Kanpur**

1

CORRECTION (C)	NIL	E.E.
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DELETION (D)	NIL	

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**INDIAN INSTITUTE OF TECHNOLOGY KANPUR
 INSTITUTE WORKS DEPARTMENT
 CENTRAL OFFICE
 Notice Inviting e-Tenders**

The Executive Engineer, IWD, IIT Kanpur invites on behalf of Board of Governors of IIT Kanpur online percentage rates tender on two envelope system from the Registered contractors in CPWD, BSNL, MES, & Central PSUs in appropriate category having experience similar nature of works in last 7 years for the following works.

1. NIT No. **Recall 27/C/D1/2022-23**, Name of work: **Setting right of vacant house no. 181, Type-I**, Estimated cost **Rs. 238525/-**, period of completion **02 Months**, Last time and date of submission of bid 3.30 PM on **09.12.2022**.

The bid forms and other details are available on website www.iitk.ac.in/iwd/tenderhall.htm, but the bids can only be submitted online on <https://eprocure.gov.in/eprocure/app>. Any corrigendum regarding this tender will be published only on above mentioned website.

No. IWD/Div-I/ 434 Dated: 02.12.2022

Executive Engineer

2

CORRECTION (C)	NIL	E.E.
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**INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING
FORMATING PART OF NIT AND TO BE POSTED IN WEBSITE**

S. No. 1	NIT NO.	Name of work and location	Estimated cost put to tender	Earnest Money	Period of Completion	Last date & time of submitting Bid, Security Declaration & other documents online	Time & date of opening of tender
1	Recall 27/C/D1/2022-2	Setting right of vacant house no. 181, Type-I	Rs. 238525/-	NIL with bid security Declaration(Annexure-A)	02 Months	Upto 3:30 PM on 09.12.2022	At 3:30 PM on 12.12.2022

The Executive Engineer, IWD, IIT Kanpur invites on behalf of Board of Governors of IIT Kanpur online percentage rates tender on two envelope system from the Registered contractors in CPWD, BSNL, MES, & Central PSUs in appropriate category having experience in 3 similar works of value **40% (Rs. 95410.00)** or two similar works of value **60% (Rs. 143115.00)** or one similar work of value **80% (Rs. 190820.00)** of estimated cost during last seven years.

1. The intending tenderer must read the terms and conditions of CPWD-6 for e-Tendering carefully. He should only submit his tender if he considers himself eligible and he is in possession of all the documents required.
2. Information and Instructions for tenderer posted on website shall form part of tender document.
3. The bid document consisting of General Condition of Contract 2020, schedule of quantities of various types of items to be executed and set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website www.iitk.ac.in/iwd/tenderhall.htm and <https://eprocure.gov.in/eprocure/app> free of cost and shall be submitted on line on website <https://eprocure.gov.in/eprocure/app>.
4. **EMD is not applicable for this tender as Govt. orders No.F.9/4/2020-PPD Ministry of Finance dated 12th November 2020. The bidder has to submit Security Declaration as per Annexure A.**

3

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Kanpur**

IWD/«DIV»-1

5. 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.
6. The intending tenderer must have valid class-III digital signature to submit the tender.
7. On opening date, the contractor can login and see the tender opening process. After opening of tenders he will receive the competitor tender sheets.
8. The tender can only be submitted after uploading the mandatory scanned documents (in JPG. Or PDF format only) as mentioned in the document.

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

- Copy of Registration with the Department.
- Required Experience certificates of similar nature of works
- Registration Certificates of EPF & ESIC.
- Scan copy of Annexure A.
- Scan copy of Annexure B with transaction slip.
- GST Registration No. Or If the agency is not registered with the GST authorities in the state of U.P, then he shall submit and upload a undertaking that

If the work is awarded to me, I/we shall obtain GST registration certificate of the state of U.P within one month from the date of receipt of award letter or before release of any payment to me by IWD IIT Kanpur.

- MSME Registration in appropriate category (This is valid only for EMD exemption and rebate in processing fee)
9. Contractor must ensure to quote the rate in percentage.
 10. The quoted rate should be exclusive of GST and the GST shall be paid extra as per applicable of the Government Rule.

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BID DOCUMENT

Notice Inviting Tender No.	Recall 27/C/D1/2022-23
Name of Work	Setting right of vacant house no. 181, Type-I
Estimated Cost	Rs. 238525/-
Earnest Money	Bid Security Declaration is to be submitted as Annexure-A.
Non refundable Processing fee (inclusive of GST@18%) (Annexure-B)	Rs. 500/- for Non MSMS / NSIC / Startup and Rs. 200/- for MSMS / NSIC / Startup for work upto 5.00 Lacs. The proof of submission to be uploaded alongwith the transaction slip as per Annexure- B
Details of Institute Account for submitting processing fees (Annexure C)	Bank Name: SBI IIT Kanpur Beneficiary Name: The Registrar IIT Kanpur A/C No. 30632766814 IFSC Code: SBIN0001161
Date of Publishing	02.12.2022
Clarification Start Date and Time	02.12.2022 (working days only)
Clarification End Date and Time	08.12.2022 (working days only)
Queries (if any)	No queries will be entertained after clarification end date and time
Bid Submission Start Date	02.12.2022 (15:30 hrs)
Pre Bid Meeting Date and Time	N/A
Last Date and time of uploading of Bids	09.12.2022 (15:30 hrs)
Last Date and time of submitting, Bid Security Declaration and other documents online	09.12.2022 (15:30 hrs)
Date and time of opening of Technical, Bids	12.12.2022 (15:30 hrs)

Interested parties may view and download the tender document containing the detailed terms & conditions from the website <http://eprocure.gov.in/eprocure/app> **(The bids have to be submitted online in electronic form on www.eprocure.gov.in/eprocure/app only. No physical bids will be accepted. No hardcopy of any documents will be accepted)**

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INSTRUCTIONS FOR ONLINE BID SUBMISSION

This tender document has been published on the Central Public Procurement Portal (URL: <http://eprocure.gov.in/eprocure/app>) for inviting the tenders from the eligible contractors. The bidders are required to submit softcopies of their bids electronically on the CPP portal, using valid Digital Signature Certificates (DSC). 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 enrol on the e-procurement module of the Central Public Procurement portal (URL: <http://eprocure.gov.in/eprocure/app>) by clicking on the link, "click here to enrol". 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 user name and assign a password for their accounts.
3. Bidders are advised to register their valid e-mail address and mobile number 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 3 certificates with signing key usage) issued by any certifying authority recognised 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 bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
6. Bidder then logs into the site through the secured log-in by entering their user ID / password and the password of the DSC / eToken.

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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, organisation 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 organisation 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. The 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 other, 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 bids. Please note the number of covers in which the bid documents have to be submitted. Any deviations from these may lead to rejection of the bids.
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 formats. Bid documents may be scanned with 100 dpi with colour / black & white option.

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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. 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 blue 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 online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.
4. The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
5. 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 unauthorised persons until the time of bid opening.
6. The uploaded tender documents become readable only after the tender opening by the authorised bid openers.
7. 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.

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ASSISTANCE TO BIDDERS

1. Any queries relating to 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. The contact number for the Help Desk is: 0512-259-7725 between 10:30 hrs to 17:00 hrs. The email-id for the Help Desk is: *tarung@iitk.ac.in*.
2. Any queries relating to the process of online bid submission or queries relating to CPP portal in general may be directed to the 24 x 7 CPP Portal Help Desk.

GENERAL INSTRUCTIONS TO THE BIDDERS

1. The tenders will be received online through portal <https://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 III Digital Signature Certificate (DSC) in the form of smart card / e-token in the company's name is a prerequisite for registration and participating in the bid submission activities through <https://eprocure.gov.in/eprocure/app>. Digital Signature Certificates can be obtained from the authorised certifying agencies, details of which are available in the website <https://eprocure.gov.in/eprocure/app> under the link "Information about DSC".
3. Tenderers 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>.
4. The intending tenderer must read the terms and conditions of FORM-6 for e-Tendering carefully. He should only submit his tender if he considers himself eligible and he is in possession of all the documents required.
5. Information and Instructions for tenderer posted on website shall form part of tender document.
6. The Institute Campus has been divided in to the different Zones. The copy of the Institute Master Plan duly marked the different Zones is attached on page no.44 Intending Bidders are advised to visit and examine the existing buildings under the **Zone-VI** and its surroundings and satisfy themselves before submitting their bids. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra cost consequent on any misunderstanding or otherwise shall be allowed.

9

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INSERTION (I)	NIL	
DELETION (D)	NIL	



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**Indian Institute of Technology
Kanpur**

IWD/ <<DIV>>-1

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 bidders 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.

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	Indian Institute of Technology Kanpur	IWD/«DIV»-1
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FORM -6 FOR e-Tendering

The Executive Engineer, IWD, IIT Kanpur invites on behalf of Board of Governors of IIT Kanpur online percentage rates tender on two envelope system from the Registered contractors in CPWD, BSNL, MES, & Central PSUs in appropriate category having experience similar nature of works in last 7 years for the work of: **Setting right of vacant house no. 181, Type-I**

Eligibility Criteria:

Registered contractors in CPWD, BSNL, MES, & Central PSUs in appropriate category having experience in 3 similar works of value **40% (Rs. 95410.00)** or two similar works of value **60% (Rs. 143115.00)** or one similar work of value **80% (Rs. 190820.00)** of estimated cost during last seven years.

1. The work is estimated to cost **Rs. 238525/-**. This estimate, however, is given merely as a rough guide.
2. Agreement shall be drawn with the successful tenderers on prescribed Form No. CPWD 7 (or other Standard Form as mentioned) which is available as a Govt. of India Publication and also available on website www.iitk.ac.in Tenderers 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 is **02 months** from the date of start as defined in schedule "F" and as per special terms and conditions of contract.
4. The bid document consisting of General Condition of Contract 2020, schedule of quantities of various types of items to be executed and set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website www.iitk.ac.in/iwd/tenderhall.htm and <https://eprocure.gov.in/eprocure/app> free of cost and shall be submitted on line on website <https://eprocure.gov.in/eprocure/app>.
5. After submission of the tender the contractor can re-submit revised tender any number of times but before last time and date of submission of tender as notified.

11

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DELETION (D)	NIL	

The tender submitted shall be opened at **03.30 PM on 12.12.2022**

6. The tender submitted shall become invalid and cost of processing fee shall not be refunded if:

The tenderer is found ineligible.

- (i) The tenderer does not upload all the documents as stipulated in the tender document.
- (ii) If any discrepancy is noticed between the documents as uploaded at the time of submission of tender and hard copies as submitted physically in the office of tender opening authority.

7. The contractor whose tender is accepted will be required to furnish performance guarantee of 3% (Three Percent) of the tendered amount within the period specified in Schedule F. This guarantee shall be in the form of 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 the guarantee amount is less than Rs. 1,00,000.00) 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 annexes hereto.
8. The competent authority on behalf of the Board of Governors, IIT, Kanpur 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 tenderers shall be summarily rejected.
9. 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 for rejection.
10. The competent authority on behalf of Board of Governors, IIT, Kanpur reserves to himself the right of accepting the whole or any part of the tender and the tenderers shall be bound to perform the same at the rate quoted.
11. The contractor shall not be permitted to tender for works in the IIT Kanpur responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the IIT Kanpur.

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Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

12. 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 tender or engagement in the contractor's service.
13. The tender for the works shall remain open for acceptance for a period of ninety (90) days from the date of opening of tenders 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 PG as aforesaid. Further the tenderers shall not be allowed to participate in the retendering process of the work.
14. This Notice Inviting Tender shall form a part of the contract document. The successful tenderers/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 tender and acceptance thereof together with any correspondence leading thereto.
 - b) Standard C.P.W.D. Form 7 or other Standard C.P.W.D. Form as applicable.

**Superintending Engineer
For & on behalf of the Board of Governors, IIT Kanpur**

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	Indian Institute of Technology Kanpur	IWD/«DIV»-1
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Annexure A

**(To be submitted by bidder on its Company Letterhead (scanned copy) on
<http://eprocure.gov.in/eprocure/app>)**

It is here by submitted that if I/We(Name of bidder/firm/company) withdraw or modify the bids during period of validity, or if I/We.....(Name of bidder/firm/company) are awarded the contract and I/We.....(Name of bidder/firm/company) fail to sign the contract or to submit a performance security before the deadline defined in the tender documents, I/We(Name of bidder/firm/company) will be suspended to take part in IIT Kanpur’s tendering process for the period of two years from the date of occurrence of the above mentioned default.”

Date:

Authorized Signatory

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	Indian Institute of Technology Kanpur	IWD/«DIV»-1
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Annexure B

Format for proof of submission to be uploaded along with transaction slip.

NIT No.	Name of Agency	GST Number of the Agency	Date of Transaction	Total Amount Transferred	UTR Number

Annexure C

Details of Institute Bank Account for submitting tender processing fees.

Bank Name	Beneficiary Name	A/C No.	IFSC Code
SBI IIT Kanpur	The Registrar, IITK	30632766814	SBIN0001161

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CPWD-7

PERCENTAGE RATE TENDER AND CONTRACT FOR WORKS

(A) Tender for the work of: Setting right of vacant house no. 181, Type-I

TENDER

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

I/We hereby tender for the execution of the work specified for the Board of Governors, IIT, Kanpur within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings 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 respects in accordance with, such conditions so far as applicable.

We agree to keep the tender **open for (90) ninety days from the date of opening of tender** and not to make any modifications in its terms and conditions.

If I/we, fail to furnish the prescribed performance guarantee or fail to commence the work within prescribed period I/we agree that the said Board of Governors, IIT, Kanpur or his successors in office shall without prejudice to any other right or remedy be at liberty to be debarred for participation in the re-tendering process of the work. Further, if I/we fail of commence work as specified, I/we agree that Board of Governors, IIT, Kanpur or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the performance guarantee absolutely and security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, up to maximum of the percentage mentioned in Schedule „F” and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

16

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INSERTION (I)	NIL	
DELETION (D)	NIL	

	Indian Institute of Technology Kanpur	IWD/ <<DIV>>-1
IITK		

Further, I/We agree that in case of forfeiture of of Performance Guarantee/Security Deposit as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.”

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

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 therefrom 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
Postal Address **

Witness: **
Address: **
Occupation: **

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Operative schedules shall be supplied separately to each intending tenderer

SCHEDULE "A"	Schedule of Qty	Uploaded separately
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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'

Schedule of Tools and Plants to be hired to the contractor

S. No.	Description	Hire charges per day	Place of issue
1	2	3	4
-----NIL -----			
SCHEDULE "D"	Extra schedule for specific requirements/document for the work, if any:		As attached in tender form.
SCHEDULE "E"	Schedule of component of other Materials, Labour, POL etc. for price escalation		N. A.
SCHEDULE "F"	Reference to General Conditions of contract.		

Name of Work:	Setting right of vacant house no. 181, Type-I	
Estimated cost of		Rs. 238525/-

18

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INSERTION (I)	NIL	
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the work:	
Earnest money	Bid Security Declaration (Annexure-A)
Performance Guarantee	3% of the tendered value of the work
Security Deposit	5% of the tendered value of the work

General rules and direction :

Officer inviting tender	Executive Engineer, IWD, IIT, Kanpur
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Definitions:

2(v)	Engineer-in-charge For civil item works	Executive Engineer, IWD, IIT Kanpur
2(vi)	Accepting authority	Executive Engineer, IWD, IIT Kanpur
2(vii)	Percentage on cost of materials and labour to cover all overheads and profits	15%
2(viii)	Standard Schedule of Rates: Civil Items of Work:	D.S.R. 2021 – GST with up to date correction Slips
2(ix)	Department	IWD, IIT Kanpur
2(x)	Standard CPWD contract Form:	GCC 2020, CPWD form-7 as modified & corrected up to 31.05.2022 (Whether correction vide latest circulars are in corporate or not in this document). The following condition pertains to GST of clause 37 & 38 of General Condition of contract and corresponding Amendments should be read as follows: a- The Quoted rates

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IWD/«DIV»-1

		should be exclusive of GST. b- The GST as applicable shall be paid extra.
Clause 1	i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance ii) Maximum allowable extension with late fee @0.1% per day of performance guarantee amount beyond the period as provided in i) above	15 Days 7 Days
Clause 2	Authority for fixing Compensation under Clause 2	SE, IWD, IIT, Kanpur. Or successor thereof
Clause 2A	Whether Clause 2A shall be applicable	No
Clause 5	i) Number of days from the date of issue of issue of letter of acceptance for reckoning date of start ii) Time allowed for execution of work	22 days 02 Months
Authority to decide	Extension of time	SE, IWD, IIT, Kanpur. Or successor thereof
Clause 6A		APPLICABLE
Clause 10A	Material to be provided by the contractor	APPLICABLE
Clause 10B (ii), (iii)	Whether clause 10-B (ii) and 10-B (iii) shall be applicable.	NOT APPLICABLE
Clause 10 C	Component of labour expressed as percentage of value of work	NOT APPLICABLE

CORRECTION (C)	NIL	E.E.
INSERTION (I)	NIL	
DELETION (D)	NIL	



IITK

**Indian Institute of Technology
Kanpur**

IWD/«DIV»-1

Clause 10 CA		NOT APPLICABLE
Clause 10 CC	Increase/Decrease in Price of materials/wages	NOT APPLICABLE
Clause 11	Specification to be followed for execution of work: For Civil items of work	CPWD Specifications 2019 Vol. 1 and Vol. 2 with up to date correction slips.(Hereinafter called CPWD specifications also)
Clause 12	Type of work	Maintenance
Clause 12.2 & 12.3	Deviation limit beyond which clause 12.2 & 12.3 shall apply for building work. 1. Deviation limit beyond which clause 12.2 & 12.3 shall apply for foundation work (except items mentioned in earth work sub head in DSR and related items) 2. Deviation limit for items in earth work sub head of DSR or related items	30% 30% 100%
Clause 16	Competent Authority for Deciding reduced rates: For Civil items of work IWD, IIT, Kanpur	SE, IWD, IIT, Kanpur. Or successor thereof
For supervision of civil as well as electrical items of work, technical representatives (Diploma holder) of the respective disciplines will be required to be deployed.		
Clause 18	List of mandatory machinery, tools & plants to be deployed by the contractor at site.	All T&P, scaffolding etc. required to be provided for proper execution of work.
Clause 36 (i)		Requirement of technical Representative(s)
For supervision of civil as well as electrical items of work, technical representatives of the respective disciplines will be required to be deployed.		

CORRECTION (C)	NIL	E.E.
INSERTION (I)	NIL	
DELETION (D)	NIL	



Clause 42	a) Schedule/ statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2007 printed by CPWD	D.S.R. 2021 (with up to date correction slips)
i)		
ii)	Variations permissible on theoretical quantities	
a)	Cement for works with estimated cost put to tender not more than Rs. 5 lakhs. For works with estimated cost put to Tender is more than Rs. 5 lakhs	3% plus/minus 2% plus / minus
b)	Steel reinforcement and structural steel Sections for diameter, section and category.	2% plus/minus
c)	All other materials	NIL

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

Sl No	Description of items	Rates in figures and words at which recovery shall be made from the contractor	
		Excess beyond permissible variation	Less use beyond the permissible variation
1.	Cement (PPC)	Double the Issue rate	Double the Issue rate
2.	Steel reinforcement (TMT Bars)	Not Applicable	Not Applicable

CORRECTION (C)	NIL	E.E.
INSERTION (I)	NIL	
DELETION (D)	NIL	

 IITK	Indian Institute of Technology Kanpur	IWD/«DIV»-1
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ADDITIONAL TERMS & CONDITIONS

The tenderer is advised to read and examine the tender documents for the work and the set of drawings available with Engineer-in-charge. He should inspect and examine the site and its surroundings by himself before submitting his tender.

1. Unless otherwise provided in the Schedule of Quantities/Specifications, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the work and nothing extra shall be payable to him on account of the same. Extra payment for centering/shuttering, if required to be done for heights greater than 3.5 m shall however be admissible at the rates arrived at in accordance with clause 12 of the agreement, if not already specified.
2. Other agencies doing works related with this project may also simultaneously execute their works and the contractor shall afford necessary facilities for the same. The contractor shall leave such necessary holes, openings etc. for laying/burying in the work, pipes cables, conduits, clamps, boxes and hooks for fan clamps etc. as may be required for the other agencies. Nothing extra over the Agreement rates shall be paid for doing these.
3. The rates for all items of work shall unless clearly specialized otherwise include cost of all labour, material tools and plants and other inputs involved in the execution of the item. The contractor (s) shall quote all inclusive rates against the items in the schedule of quantities and nothing extra shall be payable for any of the conditions and specifications mentioned. In the tender documents unless specifically specified otherwise.
4. The building work shall be carried out in the manner complying in all respects with the requirements of the relevant bylaws and regulations of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-charge and nothing extra shall be paid on this account.
5. Huts for labour are not to be erected at the site of work, the contractor shall be required to provide such accommodation at a place as is acceptable to the local body and nothing extra shall be paid on this account.
6. The contractor shall take instructions from the Engineer-in-charge for stacking of materials. No excavated earth or building materials etc. shall be stacked / collected in areas where other buildings, roads, services, compound walls etc. are to be constructed.

23

CORRECTION (C)	NIL	E.E.
INSERTION (I)	NIL	
DELETION (D)	NIL	



IITK

**Indian Institute of Technology
Kanpur**

IWD/«DIV»-1

7. Any trenching and digging for laying sewer lines/water lines/cables etc. shall be commenced by the contractor only when all men, machinery's and materials have been arranged and closing of the trench(s) thereafter shall be ensured within the least possible time.
8. It shall be ensured by the contractor that no electric live wire is left exposed or unattended to avoid any accidents in this regard.
9. In case the supply of timber/steel frames/shutters for doors, windows etc. is made by some other agency, the contractor shall make necessary arrangements for their safe custody on the direction of the Engineer-in-charge till the same are fixed in position by him & nothing extra shall be paid on this account.
10. The contractor shall maintain in perfect condition, all portions executed till completion of the entire work allotted to him. Where however phased delivery of work is contemplated these provisions shall apply separately to each phase.
11. The entire royalty at the prevalent rates shall have to be paid by the contractor on all the boulders, metals, shingle sand etc. collected by him for execution of the work, directly to the Revenue authority or authorized agents of the State Government concerned or the Central Government, as the case may be.
12. The contractor shall bear all incidental charges for cartage, storage and safe custody of materials issued by the departments and shall construct suitable godowns, yards at the site of work for storing all materials as to be safe against damage by sun, rain, dampness, fire, theft etc. at his own cost and also employ necessary watch and ward establishment for the purpose, at his own cost. Materials to be charged directly to work and stipulated for issue free of cost shall also be issued to the contractor as soon as those are received at site or at the stipulated place of issue. The provision of this para shall apply equally and fully to those as well.
13. Temporary Electric connection shall be issued as per request and the water charges shall be recovered as per rule
14. The contractor shall procure all the materials in advance so that there is sufficient time to testing and approving of the materials and clearance of the same before use in work.

CORRECTION (C)	NIL	E.E.
INSERTION (I)	NIL	
DELETION (D)	NIL	



IITK

**Indian Institute of Technology
Kanpur**

IWD/ <<DIV>>-1

15. Contractor shall have to brought at least 50% quantity of total premium acrylic smooth exterior silicon additives paint and water proofing cement paint and shall deposit it in the custody of concerned site Engineer before start of work. The consumption shall be monitored by the Department. All empty drums shall have to be kept till completion of work.
16. Contractor has to make a sample of exterior painting on the surface of wall and after getting approval from the competent authority, he has to finish the rest of work accordingly as per satisfaction of Engineer-in- charge.
17. The tenderer shall see the approaches to the site. In case any approach from main road is required by the contractor, the same shall be provided, improved and maintained by the contractor at his own cost. No payment shall be made on this account.
18. The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night speed limit boards red flags, red lights and providing barriers. He shall be responsible for all dangers and incidents caused to existing / new work due to negligence on his part. No hindrances shall be caused to traffic during the execution of the work.
19. The contractor shall provide at his own cost suitable weighing surveying and leveling and measuring arrangements as may be necessary at site for checking. All such equipments shall be got calibrated in advance from laboratory, approved by the Engineer-in-Charge. Nothing extra shall be payable on this account.
20. Any cement slurry added over base surface for continuation of concreting for better bond is deemed to have been built in the items and nothing extra shall be payable for extra cement considered in consumption on this account.
21. The contractor shall bear all incidental charges for cartage, storage and safe custody of materials issued by department.
22. Other agencies will also simultaneously execute and install the works of electrification, air conditioning, lifts, fire-fighting etc. for this work and the contractor shall provide necessary facilities for the same. The contractor shall leave such recesses, holes openings etc. as may be required for the electric, air-conditioning and other related works (for which inserts, sleeves, brackets, conduits base pinion, clamps etc. shall be supplied free of cost by the

CORRECTION (C)	NIL	E.E.
INSERTION (I)	NIL	
DELETION (D)	NIL	

department unless otherwise specifically mentioned) and the contractor shall fix the same at time of casting of concrete, stone work & brick work, if required and nothing extra shall be payable on this account.

23. The contractor shall conduct work so as not to interfere with or hinder the progress or completion of the work being performed by other contractor(s) or by the Engineer-in-Charge and shall as far as possible arrange his work and shall place and dispose off the materials being used or removed so as not to interfere with the operations of other contractor or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of others.
24. Existing drains, pipes, cables, over-head wires, sewer lines, water lines and similar services encountered in the course of the execution of work shall be protected against the damage by the contractor at his own expense. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services.
25. The contractor shall be responsible for the watch and ward/guard of the buildings, safety of all fittings and fixtures including sanitary and water supply fittings and fixtures provided by him against pilferage and breakage during the period of installations and thereafter till the building is physically handed over to the department. No extra payment shall be made on this account.
26. The contractor shall be fully responsible for the safe custody of materials brought by him issued to him even though the materials are under double lock key system.
27. The rate of items of flooring is inclusive of providing sunk flooring at bath rooms kitchen etc. and nothing extra on this accounts is admissible.
28. No payment shall be made to the contractor for any damage caused by rain, snowfall, floods, earthquake or any other natural causes whatsoever during execution of work. The damages of the work will be made good by the contractor at his own cost and no claim on this account shall be entertained.
29. For construction works which are likely to generate malba/rubbish to the tune of more than a tempo/truck load, contractor shall dispose of malba, rubbish & other unserviceable materials and wastes at their own cost to the notified/specified dumping ground and under no circumstances these shall be stacked/dumped, even temporarily outside the construction premises.

CORRECTION (C)	NIL	E.E.
INSERTION (I)	NIL	
DELETION (D)	NIL	



IITK

**Indian Institute of Technology
Kanpur**

IWD/«DIV»-1

- 30. The contractor has to follow all safety norms as laid down in National Building Code of India. All the workers shall be equipped with the required safety gadgets while working at site such as ISI marked helmets, Shoes and safety belts, gumboots, gloves etc.
- 31. The rate for all items in which the use of cement is involved is inclusive of charges for curing.
- 32. Being an individual work contract no other tax is payable other than GST.
- 33. The quoted rates shall be for all surfaces including the plan brick work faced with recessed, raised or struck pointing, no extra claim on this account shall be considered.
- 34. No over loaded trucks of the construction material (coarse sand, stone grit and stone ballast) are allowed to enter in the residential area. The contractor have to make arrangement to get collected the construction material at store or at appropriate place near the work site and from that place the material may be carried through the tractor & trolley only.
- 35. All required protocol for Covid-19 issued by the Gov. of India time to time shall have to be followed by the contractor at the site, the contractors are advised to quote the rates accordingly.
- 36. The defect liability period shall be 1 years from the date of completion of work.

Signature of contractor

Address:

CORRECTION (C)	NIL	E.E.
INSERTION (I)	NIL	
DELETION (D)	NIL	



IITK

**Indian Institute of Technology
Kanpur**

IWD/«DIV»-1

SPECIAL TERMS AND CONDITIONS

1. Contractor will thoroughly clean all paint marks left here and there due to spilling and splashes of paint at no extra cost.
2. Contractor will first submit the shade cards of relevant make of paint to IIT for approval of color before procuring the paint in bulk.
3. No mixing will be allowed with stainer to achieve a particular color. Contractor will procure direct colour paint of approved shade and apply directly
4. Contractor will arrange proper metal ladders, M.S. double scaffolding (for painting at higher levels) at his own cost and will take all safety measures like double harness safety belt, mechanized electrically operated platform etc. If it is observed that work is proceeding without adequate safety precautions, work may be stopped by IIT engineer and in such cases, contractor will be solely responsible for delay and its consequences thereof.
5. Contractor’s job will also include removing of all malba and debris arising in the process of painting including washing of floor to remove stains of paint, at no extra cost.
6. No double scaffolding is payable in single story houses including parapet wall. In multistoried houses the payment of double scaffolding shall be made after 3.5 meter from plinth protected level. The necessary deductions for single scaffolding be made from the items. Contractors are advised to visit the site & quote the rates accordingly.

CORRECTION (C)	NIL	E.E.
INSERTION (I)	NIL	
DELETION (D)	NIL	

TECHNICAL SPECIFICATION

SPECIFICATIONS FOR ALUMINIUM DOOR, WINDOW, VENTILATOR WORKS.

1.0 Extent and intent :

The work shall be carried out through an approved specialized contractor who shall furnish all materials, labour, accessories equipment tool and plant and incidental required for providing and installing anodised aluminium doors, windows, claddings, louvers and other items as called for in the drawings. The drawings and specifications cover the major requirement only. The supplying of additional fastenings, accessory features and other items mentioned specifically herein but which are necessary to make a complete installation shall be a part of the contract.

1.1 General :

Aluminium doors, windows, etc. shall be of sizes, section details as shown on the drawings. The details shown on the drawings location gives generally the sizes of the components parts and general standards. These may be varied slightly to suit the standards adopted by the manufacturer. Before proceeding with any manufacturing the contractor shall prepare and submit complete manufacturing and installation drawings for approval of the Engineer-in-Charge and no work shall be performed until the approval of these drawings is obtained.

1.2 Shop Drawings:

The contractor shall submit the shop drawings of doors, windows, louvers claddings and other aluminium work, based on architectural drawings to the Engineer-in-Charge for his approval. The drawings shall show full size sections of doors, windows etc. thickness of metal (i.e. wall thickness) details of construction, sub frame/rough ground profile anchoring details, hardware as well as connection of windows doors, and other metal work to adjacent work. Samples of all joints and methods of fastening and joining shall be submitted to the Engineer-in-Charge for approval well in advance of commencing the work.

1.3 Samples:

Samples of doors, windows, louvers etc. shall be fabricated, assembled and submitted to the Engineer-in-Charge for his approval. They shall be of sizes, types etc. as decided by Engineer-in-Charge. All samples shall be provided at the cost of the contractor.

1.4 Sections:

29

CORRECTION (C)	NIL	E.E.
INSERTION (I)	NIL	
DELETION (D)	NIL	

Aluminium doors and windows shall be fabricated from extruded section of profiles as detailed on drawings. The sections shall be extruded by the manufacturers approved by the Engineer-in-Charge. The aluminium extruded section shall conform to IS designation 63400-WP(HV9WP old designation) with chemical composition and technical properties as per IS: 733 and IS: 1285. The permissible dimensional tolerance of the extruded sections shall be such as not to impair the proper and smooth function/operation and appearance of doors and windows.

1.5 Fabrication:

Doors, windows etc. shall be fabricated to sizes as shown at factory and shall be of section, sizes combinations and details as shown in the Architectural drawings. All doors, windows etc. shall have mechanical joints. The joints shall be designed to withstand a wind load of 150 kgs per sqm. The design shall also ensure that the maximum deflection of any member shall not exceed 1/175 of the span of the member. All members shall be accurately machined and fitted to form hairline joints prior to assembly. The joint and accessories such as cleats, brackets, etc. shall be of such materials as not to cause any bimetallic action, the design of the joints and accessories shall be such that the accessories are fully concealed. The fabrication of doors, windows etc. shall be done in suitable sections to facilitate easy transportation, handling and installation. Adequate provision shall be made in the door and windows members for anchoring to support and fixing of hardware and other fixtures as approved by the Engineer-in-Charge.

1.6 Anodising:

All aluminum sections shall be anodised as per IS: 7088 and the required colour as specified in the item as per IS: 1868 grading as specified in items schedule after cuttings the member to the required & requisite sizes before the final assembly. Anodising to specified grade with minimum average thickness of 15 microns when measured as per IS:612. The anodic coating shall be properly sealed by steams or in boiling water or cold sealing process as per IS: 1856/IS:6057. Polythene tape protection shall be applied on the anodised section before they are brought to site. All care shall be taken to ensure surface protection during transportation and storage at site and installation. The tape protection shall be removed on installation.

1.7 Powder Coating

The powder used for powder coating shall be polyester powder made by Berger or Jenson & Nicholson or equivalent. The thickness of powder coating shall not be less than 60 micron at any point measured with micron-meter.

1.8 Protection of Finish:

CORRECTION (C)	NIL	E.E.
INSERTION (I)	NIL	
DELETION (D)	NIL	

All aluminium members shall be wrapped with approved self adhesive non-staining PVC tapes.

1.9 Handing and Stacking:

- 1.9.1 Fabricated materials shall be crated in an approved manner to protect the material against any damage during transportation. The loading and unloading shall be carried out with utmost care on receipt of materials at site, they shall be carefully examined to detect any damaged pieces. Arrangements shall be made for expeditious replacement of damaged pieces/parts. Materials found to be acceptable on inspections shall be repacked in crates and stored safely.
- 1.9.2 In the case of composite windows, and doors the different units are to be assembled first. The assembled composite units should be checked for line, level and plumb before final fixing is done. Units may be serial numbered and identified as how to be assembled in their final location if situation so warrants.
- 1.9.3 Where aluminum comes into contact with masonry brickwork, concrete planter or dissimilar metals, it shall be coated with approved insulation lacquer paint or plastic tape to ensure that electro-chemical corrosion is avoided. Insulation materials shall be trimmed off to a clear flush line on completion.

1.9.4 SILICON SEALANT:

The peripheral gaps between plastered faces /RCC and aluminium sections shall be sealed both from inside and outside to make the windows watertight. Gaps upto 10 mm between the peripheral aluminium member and masonry/RCC/Stone shall be sealed by inserting Backer Rod manufactured by HT TROPLAST or Supreme Industries and by application of weather silicon/sealant of DOW Corning/GE Silicon make.

- 1.9.5 The contractor shall be responsible for doors, windows etc, being set straight plumb, level and for their satisfactory operation after fixing is complete.

1.10 Installation:

- 1.10.1 Just prior to installation the doors, windows etc. shall be uncrated and stacked on edge on level bearers and supported evenly. The frame shall be fixed into position true to line and level using adequate number of expansion machine bolts, anchor fasteners of approved size and manufacture and in an approved manner. The holes in concrete/masonry members for housing anchor bolts shall be drilled with an electrical drill.
- 1.10.2 The doors, windows assembled as shown on drawings shall be placed in correct final position in this opening and marks made on concrete members at jambs, sills and heads against the holes provided in frames for anchoring. The frame shall then be removed from the opening and laid aside. Neat holes with parallel sides of appropriate size shall then be drilled in the concrete members with an electric drill at the marking to house the expansion bolts. The expansion bolts shall then be inserted in the holes,

CORRECTION (C)	NIL	E.E.
INSERTION (I)	NIL	
DELETION (D)	NIL	

struck with a light hammer till the nut is forced into the anchor. The frame shall then be placed in final position in the opening and anchored to the support through cadmium plated machine screws of required size threaded to expansion bolts. The frame shall be set in the opening by using wooden wedges at supports and be plumbed in position. The wedges shall invariably be placed at meeting points of glazing bars and frames.

1.11 Neoprene Gaskets:

The contractor shall provide and install Neoprene Gaskets of approved size and profile at all locations as shown and as called for to render the doors windows etc. absolutely air tight and weather tight. The contractor shall produce samples of the gaskets for approval and procure after approval only.

1.12 Fittings:

Hinges, stays, handles, tower bolts, locks and other fittings shall be in quality and manufacturer as approved by the Engineer-in-Charge.

1.13 Manufacturer’s Attendance:

The manufacturer immediately prior to the commencement of glazing shall adjust and set all windows and doors and accept responsibility for the satisfactory working of the opening frames..

1.14 Acceptance Criteria:

The aluminium section shall be conform to the provisions of the relevant item in the schedule of quantities. For payment purpose only actual weight of sections shall be taken into account. If however, the sectional weight of any aluminium section is higher than the permissible variation then the weight payable shall be restricted to the weight of the section including permissible variation.

1.16 Measurement:

Payment by weight shall be made for aluminium sections including beading only and all fittings, and fixtures such as handles and hinges etc. shall not be included in the weight to be paid.

The following shall NOT be measured separately and shall be deemed to be included in the rates quoted.

S.No.	ALUMINIUM WORKS
1.	All plugs, screws, nails, pins, keys, glazing clips and such other fixing

CORRECTION (C)	NIL	E.E.
INSERTION (I)	NIL	
DELETION (D)	NIL	

	accessories.
2.	Expansion bolts/Rawl bolts and machine screws for fixing to supports as approved by the Engineer.
3.	All Rebates and profiles etc. as shown.
4.	Filling and finishing neat gaps around frames with approved mastic.
5.	Work at all heights, depths, locations and all shapes.
6.	Fixing of all hardware, unless other wise mentioned.
7.	Application of silicon based sealant all around aluminium frames.
8.	The contractor shall review the aluminium sections and assembly system shown in the drawings, which are indicative only. The contractor shall submit before execution , a detailed system in the form of shop drawings giving full sectional details of the assembly system, weight of each Aluminium section per metre length, coupling members, method of fixing etc. duly supported with specifications etc. This system, after approval of the Engineer, shall be binding on the contractor and nothing extra shall be paid, on account of non-availability of sections or any other reason, whatsoever, during the currency of the contract. Similarly proportionate deductions shall be made for using sections of lesser weight than specified in the approved system.
9.	The contractor is advised that it is entirely his responsibility to protect the Aluminium/ Steel sections of door and window from staining and damage by the plaster, other civil finishes etc. above using non-staining protection tapes. There shall not be any extra payment for this protection and all activities and materials required are deemed to be included in the contractor's rates of the respective item.

1.17 Rates :

1.17.1 The rates of the item shall include the cost of materials and labour required in all the above operation except cost of providing and fixing silicon sealant elaborated in para 1.9.4 above.

2) SPECIFICATION FOR PRESSED CERAMIC TILE FLOORING (VITRIFIED TILE FLOORING)

2.0) Pressed Ceramic Tiles

The tiles shall be of approved make and shall generally conform to IS 15622. They shall be flat, and true to shape and free from blisters crazing, chips, welts, crawling or other imperfections detracting from their appearance.

CORRECTION (C)	NIL	E.E.
INSERTION (I)	NIL	
DELETION (D)	NIL	



The tiles shall be double charged and of square shape with size 600x600mm. Thickness shall be specified by the manufacturer. It includes the profiles on the visible face and on the rear side. The tiles shall be chosen in order to allow a nominal joint upto 1mm for vitrified floor tiles.. The tiles shall conform to table12 of IS 15622 with water absorption 0.08% (Group BIa). The top surface of the tiles shall be glazed. Glaze shall be either glossy or matt as specified. The underside of the tiles shall not have glaze on more than 5% of the area in order that the tile may adhere properly to the base. The edges of the tiles shall be preferably free from glaze. However, any glaze if unavoidable, shall be permissible on only upto 50 per cent of the surface area of the edges.

2.1) Preparation of Surface and Laying

- 2.1.1) Base concrete or the RCC slab on which the tiles are to be laid shall be cleaned, wetted and mopped. The bedding for the tile shall be with cement mortar 1:4 (1 cement : 4 coarse sand) or as specified. The average thickness of the bedding shall be 20 mm or as specified while the thickness under any portion of the tiles shall not be less than 10 mm.
- 2.1.2) Mortar shall be spread, tamped and corrected to proper levels and allowed to harden sufficiently to offer a fairly rigid cushion for the tiles to be set and to enable the mason to place wooden plank across and squat on it.
- 2.1.3) Over this mortar bedding neat grey cement slurry of honey like consistency shall be spread at the rate of 3.3 kg of cement per square metre over an area upto one square metre. Tiles shall be soaked in water washed clean and shall be fixed in this grout one after another, each tile gently being tapped with a wooden mallet till it is properly bedded and in level with the adjoining tiles. The joints shall be kept as thin as possible and in straight lines or to suit the required pattern.
- 2.1.4) The surface of the flooring during laying shall be frequently checked with a straight edge about 2 m long, so as to obtain a true surface with the required slope. In bath, toilet W.C. kitchen and balcony / verandah flooring, suitable tile drop or as shown in drawing will be given in addition to required slope to avoid spread of water. Further tile drop will also be provided near floor trap.
- 2.1.5) Where full size tiles cannot be fixed these shall be cut (sawn) to the required size, and their edge rubbed smooth to ensure straight and true joints. Tiles which are fixed in the floor adjoining the wall shall enter not less than 10 mm under the plaster, skirting or dado.
- 2.1.6) After tiles have been laid surplus cement slurry shall be cleaned off.

CORRECTION (C)	NIL	E.E.
INSERTION (I)	NIL	
DELETION (D)	NIL	



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Kanpur**

IWD/«DIV»-1

2.2) FIXING OF TILE FLOORING WITH CEMENT BASED HIGH POL YMER MODIFIED QUICK SET ADHESIVE (WATER BASED)

2.2.1 When tile flooring is to be laid over the existing flooring without dismantling old flooring it can be laid with adhesive. The old flooring shall be thoroughly cleaned and checked for undulations, if any shall be rectified with cement mortar 1:3 (1 cement: 3 coarse sand). Old cement concrete surface shall be hacked and cleaned off to have proper bond with the old surface.

2.2.2 High polymer modified quick set tile adhesive (conforming to IS 15477) shall be thoroughly mixed with water and a paste of zero slump shall be prepared so that it can be used within 1.5 to 2 hours. It shall be spread over an area not more than one sqm at one time. Average thickness of adhesive shall be 3 mm. The adhesive so spread shall be combed using suitable trowel. Tiles shall be pressed firmly in to the position with slight twisting action checking it simultaneously to ensure good contact gently being tapped with wooden mallet till it is properly backed with adjoining tiles. The tiles shall be fixed within 20 minutes of application of adhesive. The surplus adhesive from the joints, surface of the tiles shall be immediately cleaned.

2.2.3 The surface of the flooring shall be frequently checked during laying with straight edge of above 2m long so as to attain a true surface with required slope.

2.2.4 Where spacer lugs tiles are provided these shall be filled with grout with lugs remaining exposed.

2.2.5 Where full size tile can not be fixed these shall be cut (sawn) to the required size and edges rubbed smooth to ensure straight and true joints. Tiles which are fixed in floor adjoining to wall shall enter not less than 10 mm under plaster, skirting or dado.

2.3) Pointing and Finishing

The joints shall be cleaned off the grey cement slurry with wire/coir brush or trowel to a depth of 2 mm to 3 mm and all dust and loose mortar removed. Joints shall then be flush pointed with white cement added with pigment if required to match the colour of tiles. Where spacer lug tiles are provided, the half the depth of joint shall be filled with polysulphide or as specified on top with under filling with cement grout without the lugs remaining exposed. The floor shall then be kept wet for 7 days. After curing, the surface shall be washed and finished clean. The finished floor shall not sound hollow when tapped with a wooden mallet.

CORRECTION (C)	NIL	E.E.
INSERTION (I)	NIL	
DELETION (D)	NIL	



3) SPECIFICATION FOR PAINTING WORKS

- 3.1) All painting material to be used should be of "**Premium/first quality**".
- 3.2) For external paint, Contractor will thoroughly clean and wash the existing cement painted wall surfaces before starting paint at no extra cost. Contractor's quoted rates will included scrapping the loose paint and cleaning the entire surface with wire brush/sandpaper/broom.
- 3.3) There should be proper time gaps (at least 4 hours) between two coats of paint to ensure drying of first coat of paint.
- 3.4) The approved quality, make & shade of paint shall be maintained by the contractor throughout the work. The covering capacity ratio with respect to quantity of paint should be strictly adhered to by the Contractor as per specification. For any lapse/ deficiency in this regard, a suitable deduction shall be made from the contractor's bill.
- 3.5) Detailed technical specification for painting work respect to materials & workmanship and mode of measurements will be as per IS codes and CPWD specifications, unless mentioned otherwise

LIST OF APPROVED MAKES

1. Acrylic Exterior paint : Snow cryl paint, Asian, ICI, Berger Nerolac (with silicone - --additives)
2. Synthetic enamel Paint : Asian, ICI, Berger Nerolac
3. Acrylic emulsion paint : Asian, ICI, Berger Nerolac
4. Cement primer : same as item 3
5. Adhesive (for mixing in white wash) : DDL(M/s Pidlite), SDL(M/s Chemisol)
6. Wall Care Putty : JK, Birla
7. 19 mm Flush door : Green Ply (BW&T R), Archidply (BW&T R)
8. Al. hasp & Staple (IS 363) : Pedlock, Shivalic or equivalent confirming to IS 363
9. Extruded Aluminium Section : Hindalco/Indalco/Jindal

CORRECTION (C)	NIL	E.E.
INSERTION (I)	NIL	
DELETION (D)	NIL	

SCOPE OF WORK

PROJECT OVERVIEW

The project named as Setting right of vacant house no. 181, Type-I contains following works to be done in order to upgrade the said houses as per the latest Housing policy and norms set by the Hon'ble Board of Governors of Indian Institute of Technology, Kanpur.

- 1) Vitrified tile flooring with adhesive after hacking of existing cement concrete floor.
- 2) Vitrified tile skirting with cement mortar after dismantling of existing c.c. skirting.
- 3) Provision of geyser line in bath including replacement of G.I. line in WC. Including ceramic wall tile in repair
- 4) Ceramic tile flooring in repair in WC & common area.
- 5) Dismantling of 115 mm wall of verandah and making 230 mm wall up to cill.
- 6) P/f Aluminum Glazed & wire mesh window shutter with Aluminum frame in verandah.
- 7) Dismantling of 230 mm brick wall near basin with half brick wall to provide large wash basin.
- 8) Replacement of damaged Glazed shutter of one window, one no. damaged flush door shutter & one no. damaged PVC door of Bath.
- 9) Replacement of 12) Replacement of damaged angle iron frame of kitchen.
- 10) 12 mm /15 mm plaster over lobby window & wash basin side wall, structural repair in ceiling, repair plaster & wall putty after scrapping of spoiled OBD wall paint.
- 11) Replacement of EWC with cistern & wash basin etc.
- 12) Replacement of fallen angle iron post & broken, damaged G.I. barbed wire fence.
- 13) Making plinth protection in back lawn adjacent to courtyard wall.
- 14) Whitewashing over ceiling, OBD over walls & synthetic enamel painting over doors & windows

MILESTONES & DELIVERABLES

The contractor shall inform the Engineer in charge in advance, for verifying the measurement of the concealed items like reinforcement, PCC, Plaster, GI pipes, CI pipes laying etc., done by the contractor on the very day of the above said events.

SCOPE & TECHNICAL DETAILS

The above mentioned houses are vacant houses. The contractor has to take up the work in sequence wise, so that none of day the work may remain closed. The final painting work shall be taken after completion of electrical work or with due consent of Engineer-in-charge. The daily cleaning of outside of house may have to taken, so that nearby residents may not have any issue.

CORRECTION (C)	NIL	E.E.
INSERTION (I)	NIL	
DELETION (D)	NIL	

To be signed by the bidder and authorized signatory on behalf of IIT Kanpur

INTEGRITY AGREEMENT

This Integrity Agreement is made at _____ on this _____ day of 2022.

BETWEEN

The Director IIT Kanpur represented through the Superintending Engineer, **IWD, IIT, KANPUR** (hereinafter referred as the 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. **Recall 27/C/D1/2022-23**) (hereafter referred to as “Tender / Bid”) and intends to award, under laid down Organization procedure, contract for **“Setting right of vacant house no. 181, Type-I”** hereinafter referred to as the “Contract”.

AND WHEREAS the principal Owner values full compliance with all relevant laws Of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as “Integrity Pact” or “Pact”). The terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties. NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

Article 1 : Commitment of the Principal /Owner

1. The principal/Owner commits itself to take all measure 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

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DELETION (D)	NIL	

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 of the Contract execution.
 - (c) The Principal/Owner shall endeavor to exclude from the tender process any person, whose conduct in the past has been of biased nature.
2. If the principal/owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act. 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures .

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

- 1) It is required that each Bidder/Contractor including their respective officers. Employees and agents) adhere to the highest ethical standards, and report to the Government/ Department all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
- 2) The Bidder(s)/Contractor(s) commit himself to take 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

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 IITK	Indian Institute of Technology Kanpur	IWD/ <<DIV>>-1
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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)/Contractor(s) will not use improperly. (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and address of agents representatives in India, if any. Similarly Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and address of foreign agents representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign or principal directly could bid in a tender but not both. Further in cases where an agent participate in a tender on behalf of one manufacture, he shall not be allowed to quote on behalf of another manufacture along with the first manufacture in a subsequent/parallel tender for the same item.
 - e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
- 3) The Bidders(s)/Contractor(s) will not instigate third person to commit offences outlined above or be an accessory to such offences.
- 4) The Bidder(s)/Contractor(s) will not directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission of fake /forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and or to influence the procurement process to the detriment of the government interests.
- 5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/her reputation or property to influence their participation in the tendering process).

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Article 3: Consequences of Breach

Without prejudice to any rights that may be available to the principle/Owner under law or the Contract or its established policies and laid down procedures, the Principle/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 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 contract, award process. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. Such exclusion may be forever or for a limited period as decided by the Principal/Owner.

- 2) Forfeiture of EMD/Performance Guarantee/security Deposit: If the Principal/Owner has disqualified the Bidder(s) From the Tender process prior to the Award of the contract or terminated/determined the contract or has accrued the right to terminate/determine the contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.

- 3) Criminal Liability: If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitute 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 transgression 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

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INSERTION (I)	NIL	
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Sector Enterprises in India that could justify his exclusion from the Tender process.

- 2) If the Bidder makes incorrect statement on this subject ,he can be disqualified from the Tender Process or action can be taken for banning of business dealing 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 subcontractor’s sub-vendors.
- 2) The Principal/Owner will enter into pacts on identical terms as this one with all bidders and Contactors.
- 3) The Principal/Owner will disqualify Bidders, who do not submit the duly signed Pact between the Principal/Owner and the Bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article 6 : Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Contract/Vendor 12 months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the contract has been awarded.

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

Article 7 : Other Provision

- 1) This Pact is subject to Indian law, place of performance and jurisdiction is the Head quarters of the division of the Principal/Owner, who floated the Tender.
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a company, the Pact must be signed by a representative duly authorized by board resolution.

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- 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 intension.
- 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 right 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/Contract documents with regard any of the provision 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 presences of following witness:

.....
 (For and behalf of Principle/Owner)

 (For and on behalf of Bidder/Contractor)

WITNESSES:
 1.
 (Signature, name and address)
 2.
 (Signature, name and address)

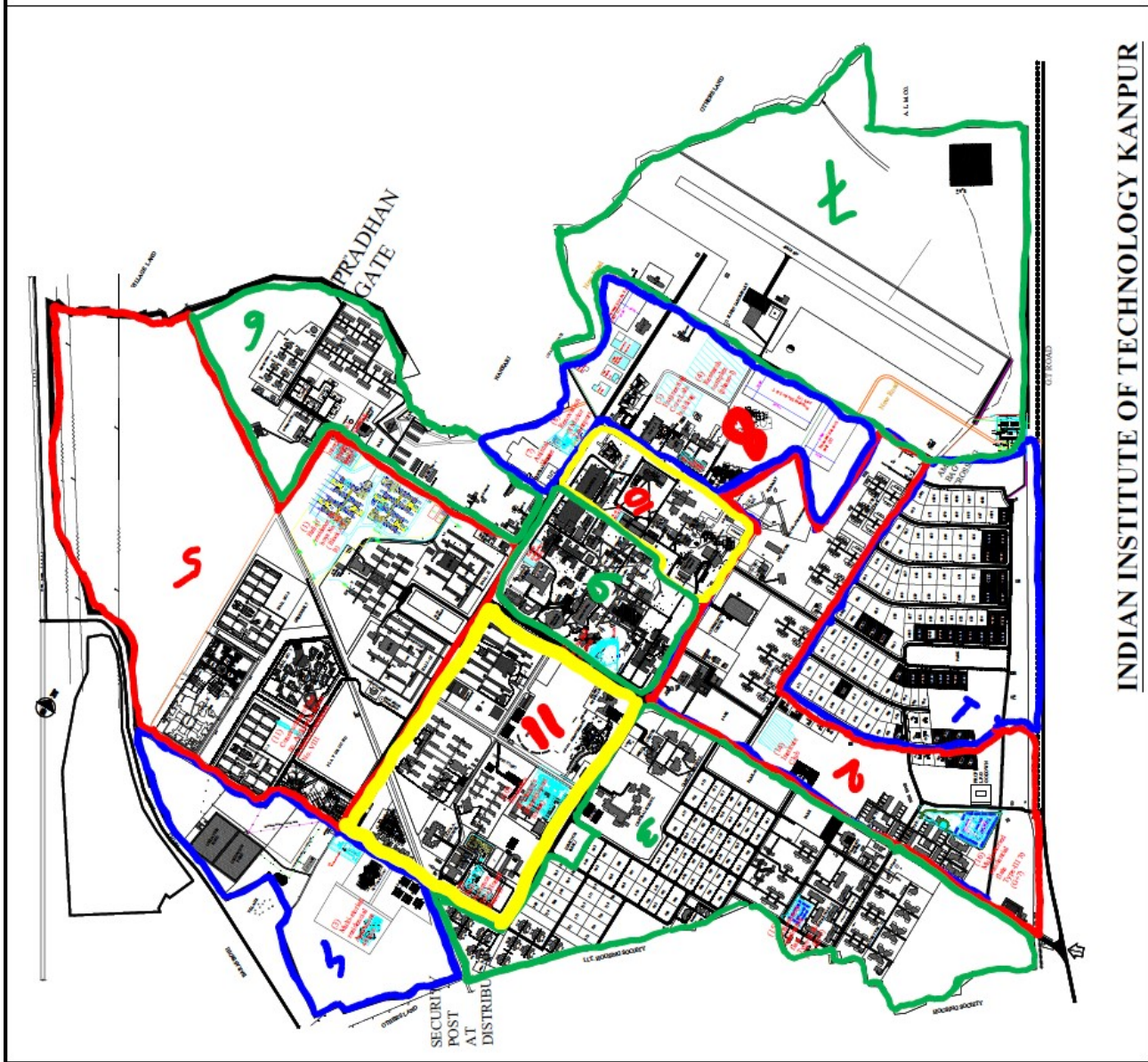
Place:
 Dated:

CORRECTION (C)	NIL	E.E.
INSERTION (I)	NIL	
DELETION (D)	NIL	



IITK

Institute Master Plan (Zone-wise)



INDIAN INSTITUTE OF TECHNOLOGY KANPUR

CORRECTION (C)	NIL	E.E.
INSERTION (I)	NIL	
DELETION (D)	NIL	