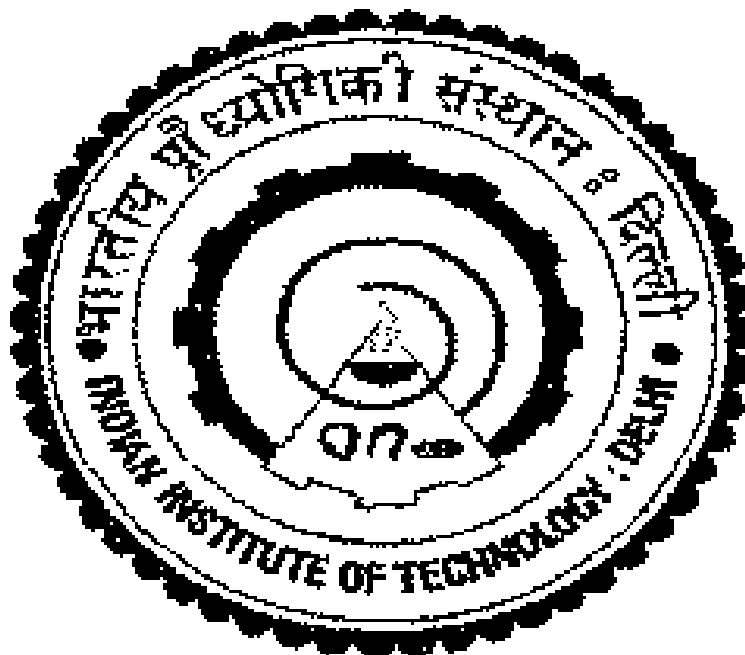


Notice Inviting e-Quotation



**Indian Institute of Technology,
Delhi**

Hauz Khas, New Delhi

110016 (Works

Department)

NOTICE INVITING e-QUOTATION

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, DJB, Irrigation, Flood control and Railways for **Civil work /Building works/ Building & Roads/Composite works** of the following work:

- | | |
|--|---|
| 1. NIQ No | : /IITD/NIQ/EE(CD-III)/2026-2027 |
| 2. Name of work | : Providing and Laying Sewage network system
Karmchari quarter to near Hospital substation at IIT Delhi. |
| 3. Sub Head | : Sewage network & Civil works. |
| 4. Estimated cost | : Rs. 74,19,787/- |
| 5. Earnest Money | : Rs.1,48,396/- |
| 6. Period of completion | : 30 Days |
| 7. Last time & date of submission of quotation | : 01/10/2026 up to 3:00 PM (on line) |

The bid forms and other details can be obtained from the http://eprocure.gov.in/eprocure/app_or_www.iitdelhi.ac.in free of cost. For more clarification you may visit on above website and contact on e-quotation helpdesk No: 0120-4200462.

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

Ch. Head: Rehabilitation/Renovation(Fure-quotationure and Fixtures)/35.04.01 (2021/007/0741)

Copy to: -

1. Executive Engineer (CD-III)
2. D.A. (Works Accounts)
3. JE (C)
4. D.R. (A/Cs) – for opening of e-quotations on **05/10/2026 at 03.00 PM**
5. Notice Boards.
6. Office Copy
7. Web site Administrator, I.I.T.D.

INDEX

Name of work: - Providing and Laying Sewage network system Karmchari quarter to near Hospital substation at IIT Delhi.

Sub Head: Sewage network & Civil works.

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4.	FORM "F" STRUCTURE & ORGANISATION	7
5.	Terms & Conditions including Schedule & IITD form-6	8-23
6.	Schedule of material to be issued	24
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8.	List of approved makes for civil work	30-34`
9.	Schedule of quantity	35-39

Certified that this e-Quotation Notice contains 1 to 39 pages.

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

INDIAN INSTITUTE OF TECHNOLOGY:DELHI
HAUZ KHAS: NEW DELHI – 110016

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-QUOTATION (e-Quotation 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, DJB, Irrigation, Flood control and Railways for **Civil work /Building works/ Building & Roads/Composite works** of the following work:

SL. No.	NIQ No.	Name of Work	Estimated Cost (in Rs.)	Earnest Money (in Rs.)	Time for completion
1	IITD/NIQ/EE(CD-III)/2026-27	Name of work: Providing and Laying Sewage network system Karmchari quarter to near Hospital substation at IIT Delhi. Sub head- : Sewage network & Civil works.	74,19,787/-	1,48,396/-	30 days

Last date and time of submission of financial & Technical bid : **01/10 /2026 upto 3:00 PM (on line)**

Date and time of opening of Technical bid:- 05/10/2026 upto 3:00 pm (Office of DR Store)

Price bids of eligible bidders as per e-Quotation notice shall be opened at a later date after scrutiny of technical bids.

- 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. 59,36,000/- or Two similar works each of value not less than Rs. 44,52,000/- or three similar works each of value not less than Rs. 29,68,000/- during last 7 years ending on previous day of last day of submission of bids.
- 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.
- Completion certificates issued by an officer not below the rank of Executive Engineer of similar works completed by the Agency.
- Work means only work under Government/ Public Sector Undertaking / Autonomous bodies.
- Similar Work:** Similar work for (Sewage network & Civil works) shall mean work involving the execution of trenchless sewer lines (HDD Method) of 355 mm (OD) diameter in a single shot for a minimum length of 60 meters.

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E.E (CD-III)

8. The value of executed work shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum calculated from the date of completion to last date of submission of financial bid.
9. 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.
10. 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
11. The intending bidder must have valid class-III digital signature to submit the bid.
12. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
13. Contractor can upload documents in the form of PDF format.
14. 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).
15. 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.
16. In e-quotation intending bidder can quote his rates in figures only. The rates in words, amount of each item and total is generated automatically. Therefore, the rate quoted by the bidder in figures is to be taken as correct.
17. 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"**
18. **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.**
19. **Online bid documents submitted by intending bidders shall be opened only of those bidders, whose scanned and uploaded documents are found in order.**
20. When bids are invited in two /three stages systems and if it is desired to submit revised financial bid it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid – Not applicable.
21. The bid submitted shall become invalid if:
 - a. The bidder is found ineligible if he does not upload document as per page 5 of quotation notice.
 - b. The bidder does not upload all the documents (including GST registration) as stipulated in the quotation document
 - 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 e-quotationer in the office of e-quotation opening authority.
22. Bid validity shall be 75 days after opening of financial bids.
23. GST shall be treated as inclusive in quoted rates of bidders.

List of Documents to be scanned and uploaded within the period of bid Submission:-**Technical Bid:-**

The following document are to be uploaded by the bidder along with technical bid. As per quotation document.

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. Undertaking as per 'Sl. No. 17 on page No. 4 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.

6. ESI & EPF registration.
7. FORM "F" (Duly filled with all required details).
8. 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.
9. Annexure-I (duly filled & signed by the bidders)
10. Annexure-II (duly filled & signed by the bidders)
11. Annexure-II (duly filled & signed by the bidders)

Note: - All Documents mentioned S.No. 1 to 08 are mandatory for technically qualifying and document mentioned 09 to 11 are not mandatory.

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

Ch. Head: Rehabilitation/Renovation(Furniture and Fixtures)/35.04.01 (2021/007/0741)

Copy to: -

1. Executive Engineer (C-III)
2. D.A. Works accounts
3. JE (Civil)
4. D.R. (A/Cs) – for opening of e-quotations on 05/10/2026 at 03.00 PM
5. Notice Boards.
6. Office Copy
7. Web site Administrator, I.I.T.D
8. NIQ :- Publicity on Website on Institute as well as on CPP portal <http://eprocure.gov.in> may be ensured as per instruction issued.
9. E-quotation Web. <http://eprocure.gov.in/eprocure/app> or www.iitdelhi.ac.in

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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

Registration No.

1.

2.

3.

5. Name and titles of Director's & Officers with designation to be concerned with this work..... !
6. Designation of individuals authorized to act for the organization..... !
7. Has the bidder or any constituent partner in case of partnership firm, ever abandoned the awarded work before its completion?
If so, give name of the project and reasons for abandonment..... !
8. Has the bidder or any constituent partner in case of partnership firm, ever been debarred/ black listed for tendering in any organization at any time? If so, give details !
9. Has the bidder, or any constituent partner in case of partnership firm, ever been convicted by the court of law? If so, give details !
10. Past work experience in IIT Delhi will be considered in deciding the Technical bid..... !

Signature of Bidder(S)

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J.E.(Civil)

AEE(Civil)

E.E (CD-III)

Notice Inviting E-quotation**INDIAN INSTITUTE OF TECHNOLOGY**
DELHI HAUZ KHAS, NEW DELHI 110016**Terms & Conditions****IITD/WORKS(SP-5413)/2026**

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 e-Quotation Notice
Earnest Money Deposit to be submitted	As per e-Quotation Notice
Warranty	As per terms & condition and as per make list

E-quotation 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'.

E-quotations can access e-quotation documents on the website (For searching in the NIC site, kindly go to E-quotation Search option and type 'IIT'. Thereafter, Click on "GO" button to view all IIT Delhi e-quotations). Select the appropriate e-quotation and fill them with all relevant information and submit the completed e-quotation 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).

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Schedule

Name of Organization	Indian Institute of Technology Delhi
E-quotation Type (Open/Limited/EOI/Auction/Single)	Open
E-quotation Category (Services/Goods/works)	Works
Type/Form of Contract (Work/Supply/ Auction/Service/Buy/Empanelment/ Sell)	Works
Product Category (Civil Works/Electrical Works / Computer Systems)	Sewage network & Civil works.
Source of Fund (Institute/Project)	<u>Rehabilitation/Renovation (Furniture and Fixtures)/35.04.01 (2021/007/0741)</u>
Is Multi Currency Allowed	No
Date of Issue/Publishing	24/09/2026 AT 16:00 HRS
Document Download/Sale Start Date	24/09/2026 AT 16:00 HRS
Document Download/Sale End Date	01/10/2026 AT 15:00 HRS
Date for Pre-Bid Conference	Nil
Venue of Pre-Bid Conference	---
Last Date and Time for Uploading of Bids	01/10/2026 AT 15:00 HRS
Date and Time of Opening of Technical Bids	05/10/2026 AT 15:00 HRS
EMD	Rs.1,48,396/-
E-Quotation Fees	Rs. NIL (To be paid through RTGS/NEFT/Online mode/OFF LINE MODE IIT Delhi Bank details are as under: Name of the Bank A/C : Registrar IIT Delhi. SBI A/C No. 10773572622 Name of the Bank : State Bank of India, IIT Delhi, Hauz Khas, New Delhi-110016 IFSC Code : SBIN0001077 MICR Code 110002156 Swift No. : SBININBB547 (This is mandatory that UTR Number is provided in the on- line quotation/bid. (Kindly refer to the UTR Column of the Declaration Sheet at Annexure-II) <u>or as per NIQ/ E- quotation Notice</u>
No. of Covers (1/2/3/4)	02
Bid Validity days (180/120/90/60/75/30)	75
Address for Communication	Office of the Executive Engineer (Civil Division-III), Room No- MZ-137, Main Building, IIT Delhi, Hauz Khas, New Delhi-110016
Contact No.	011-26596237
Fax No.	Nil
Email Address	a26516@admin.iitd.ac.in

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E.E (CD-III)

Instructions for Online Bid Submission:

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

More information useful for submitting online bids on the CPP Portal may be obtained at:

<http://eprocure.gov.in/eprocure/app>

REGISTRATION

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

SEARCHING FOR E-QUOTATION DOCUMENTS

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active quotation by several parameters. These parameters could include E-quotation ID, organization name, location, date, value, etc. There is also an option of advanced search for e-quotations, 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 e-quotation published on the CPP Portal.
- 2) Once the bidders have selected the e-quotations they are interested in, they may download the required documents / e-quotation schedules. These e-quotations can be moved to the respective ‘My E-quotations’ folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the e-quotation document.
- 3) The bidder should make a note of the unique E-quotation ID assigned to each e-quotation, 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 e-quotation document before submitting their bids.

- 2) Please go through the e-quotation advertisement and the e-quotation 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 e- quotation 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 e-quotation document.
- 3) Bidder has to select the payment option as “on-line” to pay the e-quotation fee / EMD as applicable and enter details of the instrument. Whenever, EMD / E-quotation fees is sought, bidders need to pay the e-quotation fee and EMD separately on-line through RTGS (Refer to Schedule, Page No.2).
- 4) A standard BoQ format has been provided with the e-quotation document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

OR

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

- 5) The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 6) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done.
- 7) The uploaded e-quotation documents become readable only after the e-quotation 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 e-quotation document and the terms and conditions contained therein should be addressed to the E-quotation Inviting Authority for a e-quotation or the relevant contact person indicated in the e-quotation.
- 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 e-quotations will be received online through portal <http://eprocure.gov.in/eprocure/app> . In the Technical Bids, the bidders are required to upload all the documents in .pdf format.
- 2) Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the company's name is a prerequisite for registration and participating in the bid submission activities through <https://eprocure.gov.in/eprocure/app>. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site <https://eprocure.gov.in/eprocure/app> under the link “Information about DSC”.
- 3) E-quotation are advised to follow the instructions provided in the ‘Instructions to the E-quotation 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 e-quotation has to be submitted on-line before the due date. The offers received after the due date and time will not be considered. No manual bids will be considered.
2.	Preparation of Bids: The offer/bid should be submitted in two bid systems (i.e.) Technical bid and financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items mentioned in the technical bid in the given format i.e BOQ_XXXX. OR Financial Bids to be submitted in Excel. The Technical bid and the financial bid should be submitted Online.
3.	EMD (if applicable): As per e-Quotation
4.	Refund of EMD :- As per e-Quotation notice
5.	Opening of the e-quotation: As per e-Quotation Notice, Quotation & IITD form 8
6.	Acceptance/ Rejection of bids: The Committee reserves the right to reject any or all offers without assigning any reason.
7.	Pre-qualification criteria: - Mentioned in e-Quotation notice
8.	Force Majeure :- As per IITD form 8
9.	Risk & Cost Clause : As per IITD form 8
10.	Delivery and Documents: As per e-Quotation Notice & IITD form 8
11.	Delayed delivery: As per e-Quotation Notice & IITD form 8
12.	Prices: As per e-Quotation Notice & IITD form 8
13.	Progress of Work : As per e-Quotation Notice & IITD form 8
14.	Inspection and Tests: As per e-Quotation Notice & IITD form 8
15.	Resolution of Disputes: As per e-Quotation Notice & IITD form
16.	Applicable Law: As per e-Quotation Notice & IITD form 8
17.	Supplier Integrity : As per e-Quotation Notice & IITD form 8
18.	Training : As per e-Quotation Notice & IITD form 8

19.	Installation & Demonstration : As per e-Quotation Notice & IITD form 8
20.	Incidental services: As per e-Quotation Notice & IITD form 8
21.	Defect liability Period : As per e-Quotation Notice & IITD form 8
22.	Governing Language : As per e-Quotation Notice & IITD form 8
23.	Applicable Law : As per e-Quotation Notice & IITD form 8
24.	Notices : As per e-Quotation Notice & IITD form 8
25.	Taxes : As per e-Quotation Notice & IITD form 8
27.	Termination for Default : As per e-Quotation Notice & IITD form 8
28.	Disputes and Jurisdiction: As per e-Quotation Notice & IITD form 8
29.	Completion certificate: As per e-Quotation Notice & IITD form

COMPLIANCE SHEET

TECHNICAL SPECIFICATION:

S.No.	Technical Bid Requirement As per e-Quotation Notice & 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	Undertaking as per 'Sl. No. 17 on page No. 4 on firm's letter head.	
6	ESI & EPF registration.	
7	FORM "F" (Duly filled with all required details).	
8	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.	
09	Annexure-I (duly filled & signed by the bidders)	
10	Annexure-II (duly filled & signed by the bidders)	
11	Annexure-III (duly filled & signed by the bidders)	
12	Any other Document mentioned in Quotation	

I have also enclosed all relevant documents in support of my claims, as above.

Signature of Bidder Name: _____

Designation: _____

Organization Name: _____

Contact No. : _____

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J.E.(Civil)

AEE(Civil)

E.E (CD-III)

ANNEXURE-II

<< Organization Letter Head >>
DECLARATION SHEET

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

This is certified that our organization has been registered as per E-quotation Notice & E-QUOTATION & IITD form 8 E- quotation. We further certified that our organization meets all the conditions of eligibility criteria laid down in this e-quotation 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 e-Quotation Notice
2 Fax	
3 E-mail	
4 Contact Person Name	
5 Mobile Number	
6 GST Number	
7 PAN Number	
(In case of on-line payment of E-quotation Fees)	
8UTR No. (For E-quotation Fee)	
(In case of on-line payment of EMD)	
9 UTR No. (For EMD)	

(Signature of the Bidder)

Name:

Seal of the Company

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J.E.(Civil)

AEE(Civil)

E.E (CD-III)

Annexure-III

List of Govt. Organization/Deptt.

[illegible]

Signature of

Bidder Name:_____

Designation:_____

Organization Name: _____

Contact No. : _____

Online Bid Submission:

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

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

IITD-6 FOR e-QUOTATION AND TERM & CONDITIONS

Item rate e-quotation are invited on behalf of Board of Governors from contractors/firms engaged in the field of civil construction work in appropriate category for the **work as per e-quotation notice**.

The enlistment of the contractors should be valid on the last date of submission of e-quotations. In case the last date of submission of e-quotation is extended, the enlistment of contractor should be valid on the original date of submission of e-quotations.

- 1.1 The work is estimated to cost **as per e-quotation 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- QUOTATION FORMING PART OF NIQ AND TO BE POSTED ON WEBSITE”
- 1.3 To become eligible for issue of e-quotation, the bidder shall have to furnish an affidavit as under:-

I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department before date of start of work or during execution of work at any stage, then I/we shall be debarred for tender in I.I.T.D in future forever.

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 e-quotation 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 e-quotation documents.
4. The site for the work is 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 **free** of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of e-quotation 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 e-quotation as notified.
8. If it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the e-quotation submitted earlier shall become invalid. <http://eprocure.gov.in/eprocure/app>
9. 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 e-Quotation 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 e-quotation opening authority.
10. The time & date of submission & opening of financial bid of contractors qualifying the **criteria as per e-Quotation Notice** shall be communicated to them at a later date.
11. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their e-quotations 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 e-quotation. A e-quotation 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 e-quotation 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 e-quotation by a e- quotation 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.
12. The competent authority on behalf of the Board of Governors does not bind itself to accept the lowest or any other e- quotation and reserves to itself the authority to reject any or all the e-quotations received without the assignment of any reason. All e-quotations in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the e-quotation shall be summarily rejected.
13. Canvassing whether directly or indirectly, in connection with e-quotations is strictly prohibited and the e-quotations submitted by the contractors who resort to canvassing will be liable to rejection.
14. The competent authority on behalf of Board of Governors reserves to himself the right of accepting the whole or any part of the e-quotation and the e-quotation shall be bound to perform the same at the rate quoted.

15. The contractor shall not be permitted to e-quotation for works in the IITD responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
16. 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 e-quotation or engagement in the contractor's service.
17. The e-quotation for the works shall remain open for acceptance for a period of Seventy Five (75) days from the date of opening of e-quotations, if any e-quotation withdraws his e-quotation before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the e-quotation 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 e-quotation shall not be allowed to participate in the re-quotation process of the work.
18. This notice inviting E-quotation shall form a part of the contract document. The successful e-quotation / contractor, on acceptance of his e-quotation 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 E-quotation, all the documents including additional conditions, specifications and drawings, if any, forming part of the e-quotation as uploaded at the time of invitation of e-quotation 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
19. 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**

C----NIL

I----NIL

O-----NIL

J.E.(Civil)

AEE(Civil)

E.E (CD-III)

I.I.T.D – 6**I.I.T.D****INDIAN INSTITUTE OF TECHNOLOGY****HAUZ KHAS, NEW DELHI - 110016****NOTICE INVITING e-QUOTATION**

1. Item rate e-quotations are invited on behalf of The Board of Governors, I.I.T. Delhi, Hauz Khas, New Delhi - 16 from approved and eligible contractors of from Firms/ Contractors Registered in appropriate class and category with CPWD, MES, BSNL, DJB, Irrigation, Flood control and Railways for **Civil work /Building works/ Building & Roads/Composite works**

The enlistment of the contractors should be valid on the last date of sale of e-quotations.

In case only the last date of sale of e-quotation is extended, the enlistment of contractor should be valid on the original date of sale of e-quotations.

In case both the last date of receipt of application and sale of e-quotations are extended, the enlistment of contractor should be valid on either of the two dates i.e. original date of sale of e- quotation or on the extended date of sale of e-quotations.

- 1.1 The work is estimated to cost **as per e-quotation notice** This estimate, however, is given merely as a rough guide.

- 1.1.1 The authority competent to approve NIQ for the combined cost and belonging to the major discipline will consolidate NIQs for calling the e-quotations. He will also nominate Division which will deal with all matters relating to the invitation of e- quotations.
For composite e-quotation, besides indicating the combined estimated cost put to e- quotation, should clearly indicates the estimated cost of each component separately. The eligibility of e-quotation will correspond to the combined estimated cost of different components put to e-quotation.

- 1.2 E-quotations will be issued to eligible contractors provided they produce 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 issue of e-quotation 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. 100/-) in last 7 years ending last day of the month previous to the one in which the e-quotations are invited.

C----NIL

I----NIL

O-----NIL

J.E.(Civil)

AEE(Civil)

E.E (CD-III)

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to the last date of receipt of application for e-quotation.

1.2.2 To become eligible for issue of e-quotation, the e-quotation shall have to furnish an affidavit as under :-

I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department before date of start of work or during execution of work at any stage, then I/we shall be debarred for tender in I.I.T.D in future forever.

1. E-quotation shall be drawn with the successful e-quotation on prescribed Form No. I.I.T.D 7/8 which is available as I.I.T.D. Publication. E-quotation shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
2. The time allowed for carrying out the work will be **as per e-Quotation 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 e-quotation documents.
3. The site for the work is available.

OR

The site for the work shall be made available in parts as specified below:-

5. Applications for issue of forms shall be received by **As per e-Quotation Notice** and e- quotation document shall be issued by **As per e-Quotation Notice**
E-quotation document consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms & conditions of contract to be complied with by the contractor whose E-quotation may be accepted and other necessary documents can see in the office the Executive Engineer (Civil Division-III) between hours of 11.00 AM & 4.00 PM from
-----as per e-quotation notice-----every day except on Saturday, Sunday and Public Holidays.
6. (i) E-quotations shall be accompanied with Earnest money **as per e-quotation notice** in the form of Banker's cheque or Demand draft or fixed deposit receipt of a schedule bank drawn in favour of I.I.T. Delhi.
7. The description of the work is as follows:
Copies of other drawing and documents pertaining to the works will be open for inspection by the e- quotations at the office of above mentioned officer.
E-quotations are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their e-quotations 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 e-quotation. A e-quotation 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 e- quotation 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 e- quotation by a e-quotation 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 IITD and local conditions and other factors having a bearing on the execution of the work.

8. The competent authority on behalf of the Board of Governors, I.I.T. Delhi, Hauz Khas, New Delhi - 16 does not bind itself to accept the lowest or any other e-quotation and reserves to itself the authority to reject any or all the e-quotations received without the assignment of any reason. All e-quotations in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the e-quotation shall be summarily rejected.
9. Canvassing whether directly or indirectly, in connection with e-quotations is strictly prohibited and the e-quotations submitted by the contractors who resort to canvassing will be liable to rejection.
10. The competent authority on behalf of The Board of Governors, I.I.T. Delhi, Hauz Khas, New Delhi - 16 reserves to himself the right of accepting the whole or any part of the e-quotation and the e-quotation shall be bound to perform the same at the rate quoted.
11. The contractor shall not be permitted to e-quotation for works in the I.I.T.D Circle 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).
12. 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 officer in the INDIAN INSTITUTE OF TECHNOLOGY, HAUZ KHAS, NEW DELHI – 110016. Any breach of this condition by the contractor would render him liable to be barred from e-quotation in IITD.
13. 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 aforesaid before submission of the e-quotation or engagement in the contractor's service.
14. The e-quotation for the works shall remain open for acceptance for a period of Seventy Five (75) days from the date of opening of e-quotations/Seventy Five days from the date of opening of financial bid as per E-quotation Notice if any e-quotation withdraws his e-quotation before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the e-quotation which are not acceptable to the department, then the I.I.T. Delhi shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the e-quotation shall not be allowed to participate in the e-quotation process of the work.

SCHEDULE OF MATERIAL TO BE ISSUED

Schedule showing approx. quantities of material to be supplied by Institute Clause 10 of the condition of contract for work contracted to be executed and rates at which they are to be charge for.

Items Particulars	Rates at which the material will be charged to the contractor.	Place of delivery
	NIL	

Note:-

1. The person of firm submitting the e-quotation should be see the rates in the above schedule are filled buy the Engineer-in-charge on the form prior to the submission of the e-quotation.
2. The above issued rates are inclusive 2% (Two percent) storage charges.

C----NIL

I----NIL

O-----NIL

J.E.(Civil)

AEE(Civil)

E.E (CD-III)

SPECIAL CONDITIONS

1. Non Judicial stamp paper worth Rs. 100/- (Hundred Rupees only) will be submitted by contractor which will have to be signed as token of acceptance.
2. No T & P shall be supplied by the Institute and contractor will have to make his own arrangement.
3. The contractors are advised to get acquainted with the proposed work including specifications & its site and additional conditions carefully before quoting. No claim of any sort shall be entertained or account of any site conditions and ignorance of specifications & additional conditions. The work shall be carried out as per the availability of site.
4. The work shall be carried out as per CPWD specifications for civil and electrical 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. All expenditure to be incurred for testing samples e.g. packaging, sealing, transportation, loading, unloading etc., including testing charges shall be borne by the contractor.
10. The contractor shall submit a detailed program of work within 3 days of the date of award of work. The Engineer – in- Charge can modify the program and the contractors have to work accordingly.
11. The contractor shall make his own arrangement for getting the permission with respect to trucks from the Traffic Police.
12. No payment shall be made to contractor for any damage caused by the rain, snowfall or any other natural causes what so ever during the execution of work.
13. Some restrictions may be imposed by the security staff of IIT Delhi etc. on the working and or movement of labour & material. No labour camp/ huts shall be allowed in IIT Campus. The contractor shall make his own arrangement for labour

huts outside the campus. However constructions of cement godown and Chowkidar's hut in the Campus shall be permitted. The contractor shall be bound to follow all such restrictions/ instructions and nothing shall be payable on this account.

14. The contractor shall be fully responsible for the safe custody of the material issued or brought at site by him for doing the work.
15. The Malba / Garbage generated at site due to construction activities shall be removed from the site immediately & shall be disposed of by the contractor to the approved dumping site of MCD and all statutory approvals from local bodies shall be the sole responsibility of contractor.
16. The contractor shall clean the site thoroughly of scaffolding materials, rubbish, equipment's left out of his work & dress the site around the building to the complete satisfaction of the Engineer-in-Charge before the work is treated as completed.
17. Contractor has to quote against the item of schedule of credit of material. The contractor cannot quote either minus rate or Zero rate for these items.
18. Income tax and other taxes as applicable shall be deducted from the bills of the contractor.
19. 1% labour cess of basic cost (without GST) of work done 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 contractor if electricity and water provided by IIT Delhi. If the contractor makes his own arrangements, then nothing shall be deducted on account of electricity and water.
21. Agency has to take proper safety major during the execution of work.
22. GCC form 7/8 shall form part of E-QUOTATION and the bidder shall go through GCC 2023 CPWD before quoting rates and the same shall be deemed to be accepted by bidder if he participates in the tender.
23. The contractor shall submit the program of execution of work as per clause 5 of GCC of IIT form 7/8 of E-QUOTATION including list of workers to be deployed by contractor for this work.
24. 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.
25. GST shall considered as inclusive in quoted rate of agency.
26. Electrical work will be executed only through the agency who is having valid electrical license, and the copy of valid electrical license will be submitted before start of work.
27. For item of water proofing Guarantee Bond shall be submitted by contractor as per format provided by IIT Delhi.
28. A separate amount @ 10% of the cost of water proofing work shall be retained as a security for the performance of water proofing work. This withheld amount shall

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

29. QUALITY OF MATERIALS

29.1 All materials and equipment supplied by the contractor shall be new. They shall be of such design, size and materials as to satisfactorily function under the rated conditions of operation and to withstand the environmental conditions at site. None of the material/ items/ equipment etc supplied shall be more than six months old from date of supply at site. Copy of GST Gate Pass/ Invoice/ Shipment / Custom Clearance certificate/ details (in case of imported equipment) shall be submitted to prove the date of manufacture & genuineness of the equipment/ machines supplied.

30. The contractor shall be responsible for keeping the 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.

31. Work shall be executed as per the Architectural drawings and instructions of the Engineer in charge or his representatives. The Architectural drawing and instruction of the Engineer in charge or his representatives shall be strictly adhered to.

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

33. Before commencement of the work, the contractor shall carry out a Ground Penetrating Radar (GPR) survey to identify existing underground utilities, services, and other obstructions. No additional payment shall be made to the contractor on this account.

34. The contractor shall take all necessary precautions and exercise due care to avoid any disruption or damage to existing services (such as OFC lines, Electrical services, water line etc.) during the execution of the work. In the event of any damage to existing services due to the contractor's activities, the same shall be rectified/restored by the contractor at his own cost and responsibility. No additional payment shall be admissible on this account.

ADDITIONAL CONDITION

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

declared completed by the Competent Authority. The contractor, however, shall be liable to make good any plant or materials of any plant or materials of every description belonging to the department which may be lost or damaged by flood or rains or from any other cause, while under the charge of the contractor.

13. Work shall be carried out in such a manner, so as not to interfere with, or effect, retard or disturb the progress of any other on-going work in the adjoining areas, being executed by any other agency. Proper care should be taken to prevent damage to the overhead/underground electricity/gas/telephone/water & sewer line/other service lines etc. if any damages occur necessary restoration and implications will be the sole responsibility of contractor. Any claim arises due to above reasons will be borne by contractor.
14. The tendered /quoted item rate in the "Schedule of Quantities" shall be inclusive of all operations including de-silting /execution in or under water and or foul conditions, difficult site conditions /rehandling/deployment of appropriate machine and man power as per site conditions and nothing extra shall be admissible on any account whatsoever, beyond the quoted item rates of various items.
15. The contractor shall execute the work carefully and safely without any damage to the other structure/equipment or injury to workman. He shall be fully responsible for any accident/casualty, theft etc. during the execution of this work till its completion.
16. Prevention of Nuisance and Pollution Control: - The contractor shall take all necessary precautions measures to prevent any nuisance or Inconvenience the owners, tenants or occupiers of adjacent properties and the public in general and to prevent any damage to such properties from pollutants like smoke, dust noise etc. The contractor shall use such methodology and equipment so as cause minimum environmental pollution of any kind during the execution of work and minimum hindrance road users and to occupants of the adjacent properties or other services running adjacent/near the vicinity of work. The contractor shall make good at his own cost and to the satisfaction of the Engineer-in-charge, any damage to road, paths, cross drainage works or public or private property whatsoever caused during the execution of the work or by vehicle /traffic brought thereon by the contractor, without any reservation, entirely to the satisfaction of Engineer-in-charge.
17. The executing agency shall take all the measures during executing of work to prevent air/water/garbage/pollution from the working site. If any or the monitoring agencies point out pollution contribution to environment or issue challan or other penalty same are to be paid /borne by the working agency. The department in no case reimburse such penalty or be party for such default.
18. The contractor shall take all adequate safety measures to ensure the safety of all workmen. It shall be the responsibility of the contractor to provide all safety equipments such as gum boots, safety helmets, safety belts, slings, gloves, mask oxygen cylinder, life jackets etc. to all workmen to avoid any mishap at site during the execution of the work. The contractor shall be held solely responsible in case of any mishap at site.
19. The contractor shall has to execute the work in the spirit of Prohibition of Employment as Manual Scavengers & their Rehabilitation Act, 2013 and in consonance with Hon'ble Supreme Court Judgment in WP (C) 583/2003 apart from the safety measures as stipulated under the Labour Laws / CPWD Form 8.

20. The contractor shall have to comply to the rule 3(1) of the PEMS Act 2013, as far as "possible, the intervention of manual cleaning / desilting / collecting of floating material other garbage / domestic waste will be avoided. All the maintenance work of drains will have to be completely switched over to mechanical machinery. If, necessary for the workers to go down in the drain in the context of above referred work, only trained workers will be assigned this job after taking all precautionary safety measures. If the floating materials at some places are not possible to remove by mechanical machinery, then should be removed with the help of "punji or Jely" by manual labour standing outside the drain water.
21. The contractor shall submit a certificate before start of work, that "I am well versed with all safety rules and I will own all the responsibility in case of any mishappening during the execution of work".
22. It shall be the responsibility of the contractor not to cause any damage to existing pipeline/water line/sewer line/telephone line/electric wire line or any such feature in the drain, if any. In case any such feature is noticed by the contractor during the execution of the work the same shall be brought to the notice of the Engineer-in-charge in writing along with evidence.
23. Safety Code: It shall be responsibility of the contractor to follow Safety Code as per General Condition of Contract and take all safety measures & precaution to prevent any accident /mishap at site during the execution of work by providing all safety equipments to the workmen. In case of any accident at site, the contractor shall be directly held the responsible for the same.
24. The special conditions to comply the directives of Hon'ble NGT and issued vide O.M. No. DG/SE/CM/CIN/Misc./02 shall also form the part of this contract and shall have to be strictly adhered by the contractor during execution of work for which no extra payment shall be admissible.
25. SITE CLEARANCE: After physical completion of the work, the site shall be cleared off all the malba, construction material, tools and plants, labour huts, cement store or any other temporary construction raised by the contractor during the execution of work, at his own cost. No extra payment shall be made the contractor for clearance of the site.
26. It will be the responsibility of the contractor to ensure that no mosquito breeding at site takes place. In case any mosquito breeding is found at site, penalty deemed fit shall be imposed on the contractor.

PREFERRED LIST OF MAKES

1. The material shall be procured as per preference of Make in India Policy and Government of India circulars / guidelines issued time to time.
2. In case the makes of certain items are missing or not available in the preferred make list, the appropriate make shall be selected with the approval of the NIT/TS approving authority. The NIT approving authority may permit an equivalent or alternate make, provided that proper justification is submitted along with documentary evidence demonstrating the nonavailability of the preferred make. If the approved equivalent or alternate make is of a lower rate, a cost adjustment in the form of recovery shall be applied at the time of approving the alternate or equivalent make. However, if the equivalent or alternate make is of a higher rate than the makes listed in the preferred make list, no cost adjustment shall be made.
3. The Contractor shall obtain prior approval from the Engineer-in-charge before placing order for any specific material or engaging any of the specialized agencies. The Contractor shall make a detailed submittal with catalogues and highlighted proposed specifications, as well as full details of the works proposed to be executed by the specialized agency, as specified.
4. All makes shall further confirm to standard specifications of each item as mentioned in technical specifications of tender documents.
5. The Engineer-In-Charge shall verify that manufacturers must have valid IS certification as on date for materials wherever applicable

A:- Civil Items

S. No.	Description	Approved Makes
1	EWC seat covers	HINDWARE/ PARRYWARE/ CERA/ KEROVIT
2	C.P brass fittings/ Accessories	JAQUAR/ MARC/ KOHLAR /KEROVIT
3	PVC Seat Cover	PRAYAG/ POLYTUF/SHAKTI/ PEARL
4	PVC Fittings/ Accessories	PRAYAG/ PRIMA/SHAKTI/ PEARL
5	Cement (Grey) OPC/ PPC Grade-43	ACC/ L&T/J.K/ BIRLA/ULTRA TECH/ VIKRAM
6	Cement(White)	J.K/ BIRLA
7	Reinforcement Steel	PRIMARY MANUFACTURERS APPROVED BY MINISTRY OF STEEL/ SECONDARY MANUFACTURERS HAVING VALID BIS LICENSE (to be as per latest BIS provisions)
8	Structural Steel	PRIMARY MANUFACTURERS APPROVED BY MINISTRY OF STEEL/ SECONDARY MANUFACTURERS HAVING VALID BIS LICENSE (to be as per latest BIS provisions)
9	Stainless Steel (Grade 304)	JINDAL/ SAIL/ SALEM
10	Bricks	COMMERCIALLY AVAILABLE OR REQUIRED STRENGTH
11	Aluminum Sections	HINDALCO/ JINDAL/ MAHAVIR
12	Flush doors	CENTURY/ MERINO/ DURO BOARD/ GREEN
13	Laminates	GREENLAM/ DURO/ ARCHID/ MERINO/ CENTURY
14	Glass	SAINT GOBAIN/ MODI FLOAT/ ASAHI FLOAT
15	Ceramic Glazed tiles/ Border tiles	1ST QUALITY KAJARIA/ E-QUOTATIONCO/ 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	1ST QUALITY PAINTS OF ASIAN/ BERGER/

	paint/ plastic paint	NEROLAC/ SHALIMAR /DULUX
21	Water Proof Cement Paint/ Exterior Paint	1ST QUALITY PAINTS OF ASIAN PAINTS/ BERGER/ NEROLAC/ SHALIMAR /DULUX
22	Sae-quotatoryware (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/ MOIGUARD / SAINT GOBAIN/ AASHI
32	Vertical Blinds	VISTA/ MAC/ MARVEL DÉCOR/ SAINT GOBAIN/DECK DÉCOR
33	False Ceiling	ARMSTRONG/ SAINT GOBAIN/ META WORTH
34	Water proofing compound	SIKA/ FOSROC/ PIDILITE/ ASIAN/BASF/CICO
35	Particle Board	NOVA PAN/ BHUTAN BOARD/ ECO BOARD
36	Adhesive	FEVICOL/ VAMICOL/ DUNLOP/ VAM ORGANIC / kajaria
37	Tile Adhesive	PIDILITE/ FERROUSCRETE/ BALLENDURA/ CICO
38	Wall Putty	BIRLA /JK/ SARA
39	Epoxy Grout	BALLENDURA / KERAKOLL/ FERROUSCRETE
40	PVC Water storage tank (ISI marked)	SINTEX/ UNI PLAST/ POLYWELL
41	PVC insulated Water storage tank Heavy Duty 4/5 layer	SINTEX/ UNIPLAST/ POLYWELL/ EURO
42	Brass Ball Valve/ Gate Valve/ Float Valve / Butterfly valve	ZOLOTO/ AM/ LEADER/ SANT
43	Aluminium Door fittings	CLASSIC/ EVEREST/ ARGENT
44	Brass Bib/ Stop cock	AGI/ ELITE/ SHAKTI/ SANT/ LEADER/ PRIMA
45	Thermoplastic paint	CBM/ CMS/ S.N. INDUSTRIES
46	Plaster of Paris Putty	ADHASHREE/ SHREE RAM/ J.K/ BIRLA
47	RCC Pipe	LAKSHMI/ SOOD & SOOD/ JAIN &Co./ DIWAN SPUN PIPES
48	PVC Pipe	PRAKASH/ PRINCE/ SUPREME
49	Sandwich Roof Panel (Puff Panel)	KAKTUS/ ZEP/ E- PACK/ LLOYED
50	WPC Board and MPC Board	FLORESTA, ECOSTE, RAJ SHREE
51	WPC Door Frame	FLORESTA, ECOSTE, RAJ SHREE
52	Self- Closing Hinges	HETTICH, KITCH, PLUM
53	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 TIWAGA LTD / ROCKWOOL IND./ F.G.P.
61	Fire Door	NAVAIR/ SHAKTI/ RADIANT/SIGNUM/PROMAT
62	Flush door Shutters of various thickness	MERINO/ DURO/ GREEN/ CENTURY/ KIT (SWASTIK)
63	Open cell false ceiling	ARMSTRONG /CREDENCE /HUNTER DOUGLAS
64	Calcium silicate false ceiling	AEROLITE, RAMCO, HILUX, USG BORAL
65	Gypsum Board	GYPROC BY SAINT GOBAIN, USG BORAL, ARMSTRONG

66	Fiber Cement Board	EVEREST/ USG BORAL / VISAKA
67	CPVC Pipe Fitting & Solvent	SUPREME/ ASTRAL/ ASHIRWAD / PRINCE / PRAKASH
68	UPVC Pipes & Fittings	SFMC / SUPREME/ FINOLEX
69	UPVC Window	FENESTA / REHAU/ ENCRAFT/ (NCL Wintech)/ SAINT GOBAIN
70	Friction Stay Hinges	EARL- BIHARI/ EBCO/HETTICH
71	M.S Pipes	JINDAL/ APPOLO/ SWASTIK / TATA / SURYA
72	Gypsum Plaster	FERROUS CRETE (FERRO-500)/ GYPROC (ELITE-100)/ KERAKOL (K-100)
73	GRC Wall Tile / Jali	UNISTONE/ DALAL/ SWASTIK ALWAR / ULTRA
74	HDMR Board	CENTURY/ GREEN/ ACTION TESSA
75	High Pressure Laminate(HPL)	CENTURY/ GREEN / MERINO/TRESPA/ FUNDERMAX
76	Anchor Fastener(Mechanical/ Chemical)	HILTI/ MUNGO/CANON/ FISCHER/ WUERTH
77	Cupboard Lock	PLAZA/ GODREJ/ HETTICH/ HAFLEY
78	Rust remover / Rust converting primer /paint	FOSROC/SIKA/BASF/PIDILITE
79	polymer based zinc rich primer	FOSROC/SIKA/BASF/PIDILITE
80	anticorrosive paint	FOSROC/SIKA/BASF/PIDILITE
81	Concrete penetrating HI-TECH Corrosion inhibitor	FOSROC/SIKA/BASF/PIDILITE
82	Thixotropic Epoxy repair mortar	FOSROC/SIKA/BASF/PIDILITE
83	Latex / SBR Polymer Compound	FOSROC/SIKA/BASF/PIDILITE
84	Low viscous epoxy resin grout	FOSROC/SIKA/BASF/PIDILITE
85	Epoxy resin for Concrete bond coat	FOSROC/SIKA/BASF/PIDILITE
86	Pre-batched non-shrink polymer modified mortar	FOSROC/SIKA/BASF/PIDILITE
87	Pre-batched Pre Mixed Non- Shrink Micro Concrete	FOSROC/SIKA/BASF/PIDILITE
88	Pre-batched Pre Mixed Non- metallic composite fiber wrapping system	FOSROC/SIKA/BASF/PIDILITE
89	Epoxy for rebar/shear anchor	FOSROC/SIKA/BASF/HILTI
90	Modular kitchen basket and accessories (SS-304 Grade)	HETTICH/ KITCH/ PLUM / PECOCK
91	Manhole cover /Grating	KK MANHOLE / DALAL / SWASTIK / HINDUSTAN
92	laminate wooden flooring	VISTA / ARMSTRONG / ACTION TESSA
93	Engineered wood Flooring	PERGO / JUNKERS / BOEN / SQUARFOOT
94	SS Pipe (304 grade) FOR WATER SUPPLY	JINDAL / TATA / ALFA PRESS / VIEGA
95	Epoxy flooring	FOSROC / SIKA / BASF
96	Pre-cast RCC Manhole, with cover	Sai Concrete, Agarwal Spun Pipe, BRHC Concrete Industries K.K. Manhole & Gratings Co. (P) Ltd. Prakash
97	HDPE Pipe	Jain Irrigation/ Raj Shree/ EMCO/ RELIANCE/ ORIPLAST/ SUPREME/ VECTUS/GEBREIT
FURE-QUOTATIONURE		
96	Work Station	GODREJ INTERIO/ HAWORTH / STEEL CASE/ WIPRO/ FEATHERLITE/ HERMAN MLLER
97	Executive Table/ other table	GODREJ INTERIO/ HAWORTH / STEEL CASE/ WIPRO/ FEATHERLITE/ HERMAN MLLER
98	Chair / Audi Chair	GODREJ INTERIO/ HAWORTH / STEEL CASE/ WIPRO/ FEATHERLITE/ HERMAN MLLER
99	Lab Fure-quotationure's	KEWANEE / WALDNER / GODREJ/ WIPRO / FEATHERLITE
100	Hostel beds and cots	ZUARI / EVOK / GODREJ / WIPRO / FEATHERLITE
101	Hospital beds	HUNTLEY / STRIKER /GODREJ /WIPRO /FEATHERLITE

ITEMS FOR CLEAN ROOM / BSL / SRTERLIZATION / SPECIAL LAB FURE-QUOTATIONURE		
102	Clean room Wall, Ceiling panel, coving	IClean/ Nicomac/ Clestra/ Channel Systems
103	Clean room Garment cabinet, shoe rack	IClean/ Kleainzaids/ Channel Systems
104	Cleanroom Doors, Return air riser	IClean/ Nicomac/ Clestra/ Channel Systems
105	Pass box, Air Shower	IClean/ Kleainzaids / Channel Systems
106	Utility Gas piping valves and Fittings (for clean room)	Shavo Technologies / Excel Gas/ GDS STARLING / Broen / Ratnamani
107	Utility Gas Pipe SS 304 Seamless (for clean room)	Excel Gas / Scoda / Venus / Dockweller
108	SS 316 L Electro polished tubing	Dockweller / Valex / Sandvik / Ratnamani
109	Chilled water pump	Grundfos/ KBL / Beacon / Wilo
110	Insulation for pipe and valves	Armaflex/ K Flex/ A flex/ Supreme
111	Auto Air vent, Y strainer	Anergy / Zoloto / Lehry
112	3 way modulating valve, Flow switch	Siemens / Honeywell
113	Humidistat, Thermostat, DP Sensor	Siemens / Honeywell
114	Magnehalic gauge	Dwyer / Sensocon / Micro precision
115	Temperature Pressure gauge	H Guru / Wika / Febig
116	Pre Insulated Ducting	RR Engineers /Asawa / Paul
117	Thermal Insulation for GI ducting	Supreme/K. Flex/A Flex/Armaflex
118	HEPA Filters, HEPA terminal, BIBO ue- quotation	AAF/Camfil/ Thermadyne / Mechmaark
119	Building Management System	Honeybell / Siemens / Johnson
120	Biometric Access System	Siemens / Vantage / ExcelLex
121	Door Interlock	Honeywell/Vantage / Drishti / Ozone
122	Thyristor Heater	KEPL/Intercool/ Rapid Cool
123	Compressed Dry Air (Oil free type)	Atlas Copco / Chicago Pneumatics Ingersol Rand / Elgi
124	Antivibration mounting	Resistoflex/ Gerb / polybond
125	Variable Frequency Drive	ABB / Danfos / Fuji
126	Lab Casework	Kewaunee/GD-Waldner/Godrej/Citizen/ Lab india / lab guard
127	Fume Hoods	Kewaunee/GD-Waldner/Godrej/Citizen/ Lab india / lab guard
128	Utility Valves	Broen/Water Saver/FAR
129	VAV Controls	TEL
130	Spot Extractor	Fumex/ Alsident
131	Exhaust blower	Colasit / Plastifier/ Seat
132	Acid storage	Kewaunee/ Justrite/Asecos
133	Solvent storage (FM)	Kewaunee/ Justrite/Asecos
134	Chemical storages	Kewaunee/GD-Waldner/Godrej/Citizen
135	Document Storages	Kewaunee/GD-Waldner/Godrej/Citizen/ Lab india / lab guard
136	Bio safety cabinet	Kewaunee/ Klenzaids/ Esco / Fisher
137	Laminar air flow	Kewaunee/ Klenzaids/ Esco / Fisher
138	Laboratory chairs (SS)	Kewaunee/GD-Waldner/Godrej/Citizen
139	Lab Stools (SS)	Kewaunee/Godrej/Citizen/Filtotech/Universal

Schedule of Quantity

Name of work: - Providing and Laying Sewage network system Karmchari quarter to near Hospital substation at IIT Delhi.

Sub Head: - Sewage network & Civil works.

SLNo	Description	Qty	Unit	Rate	Amount
1	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.				
2	All kinds of soil.	170.58	cum		
3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lif.	119.41	cum		
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
5	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)	1.22	cum		
6	Providing and laying in position ready mixed or site batched design mix cement concrete for plain cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana/ Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering and finishing as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the minimum specified cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.				
7	All works above plinth and upto floor V level				
8	Concrete of M25 grade with minimum cement content of 300 kg /cum	11.29	cum		

C----NIL

I----NIL

O-----NIL

J.E.(Civil)

AEE(Civil)

E.E (CD-III)

9	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
10	Cement mortar 1:4(1 cement :4 coarse sand)	2.03	cum		
11	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
12	Cement mortar 1:4(1 cement :4 coarse sand)	4.41	cum		
13	Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement : 3 fine sand):				
14	Raised and cut pointing	8.82	sqm		
15	Dismantling of flexible pavement (bituminous courses) by mechanical means and disposal of dismantled material up to a lead of 1 kilometre, as per direction of Engineer-in-charge.	12.9	cum		
16	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete :				
17	For pipes 250 to 300 mm diameter	3	each		
18	Providing HDPE Pipe of material grade PE-80, PN-4 as conforming to IS: 14333:1996 (amended up to date) suitable for butt fusion jointing (355mm OD)	300	Meter		
19	Installation of HDPE product pipe by HDD method for on grade gravity sewer including preparing and setting up the plant and equipment, preparing new pipe-work material, making of entry & exit pits upto 3 meter depth, installing new pipe-work and commissioning system or making the system ready for commissioning by HDD operating including, all related civil and mechanical works like excavation, shoring/strutting, etc. drilling, stringing, reaming, and pulling back the new pipe-work on the designed bore path alignment,proper disposal of drilling fluid and back fill ofsite after completion all inclusive as perIndSTT:101-2018: Code of Practice for Horizontal Directional Drilling Technique Suiting Indian Conditions. (a) HDPE Pipes between 355 mm & 450 mm Outer Dia. (Other soil types /Mixed Strata.)	300	Mtr		

20	Providing, fixing and constructing of pre-cast RCC M-40 grade circular manholes with internal dia 1.50 m and depth 2.28 m having pre-cast RCC M- 40 grade circular manhole cover frame (ID 0.56m), conical piece top ID 0.56 m, bottom ID 1.50m, vertical height 1.305m, wall thickness 125mm duly fitted with SFRC Footrests, and circular risers of required height (ID 1.50 m, height 150/225/300/600/900/1200 mm wall thickness 125mm duly fitted with SFRC Footrests) below conical piece as per required depth of manhole and having steel reinforcement @not less than 80 kg per cum of concrete piece, including cast-in-situ CC M-10 grade foundation of 2.125m dia and 150mm thickness, CC M15 grade circular wall ID 1.425m, wall thickness 200m, height equal to OD of sewer pipw + 50 mm, CC M15 grade benching and channel portion including neat cement punning up to top level of sewer pipe etc complete with curing compaction and form work, supplying and fixing heavy duty SFRC manhole cover as per IS 12592 (Part I and II), including cost of shuttering, steel reinforcement, testing for water tightness etc complete in all respect as per drawing, specifications and as per direction of the Engineer-in charge. Note: Excavation of earth work and road cutting for manhole will be measured and paid separately.	4	Each		
21	Extra per meter depth of 1.50 m internal dia circular Pre-cast RCC M-40 grade manhole beyond 2.28 m up to IL 11.27m depth built with 1.50 m internal dia Precast risers of M-40 grade RCC circular risers of height 150/225/300/600/900/1200 mm and wall thickness of 125 mm duly fitted with SFRC Foot rests and all complete as per drawings, specifications and as per direction of the Engineer-In-Charge. Note: Excavation of earth work and road cutting for manhole will be measured and paid separately.	8	Per Mtr		
22	Providing and supplying of class SN 8 structured wall polyethylene piping system (pipe with online/offline coupler and elastomeric sealing ring)with non-smooth external annular corrugated and smooth internal surface (double wall) for non- pressure underground sewerage and drainage application as per EN:13476-3/IS16098(Prt-2):2013 including all local and central taxes, transportation, freight charges, octroi, Inspection charges, loading, unloading, conveyance to the departmental stores etc. complete (a) For 300 mm inner dia DWC HDPE pipe	20	Mtr		

23	Lowering, laying and jointing of class SN 8 structure wall (external annular corrugated and smooth internal surface) polyethylene piping and fitting with the help of coupler (online/offline) attached with one end of pipes, sliding over the elastomeric sealing rubber ring placed on the specified valley of the corrugation at the spigot end, lowering the same into the trench, laying on the lower bedding (constructed at bottom of trenches) at prescribed gradient, depth and alignment, testing the water tightness of joints, ensuring the continuity test of specified pipe segment etc. complete as per drawing, specification and detailed engineering, including carriage of pipe and fitting from sit stacks to the place of laying etc, as per direction of engineer - in - charge (a) For 300 mm inner dia DWC HDPE pipe	20	Mtr		
24	Constructing brick masonry circular manhole 3'-00" internal dia (0.9 m) at bottom and 1'-10" or 0.56 m dia at top, depth upto IL 3 ft. or 0.9 m. Built in brick work with extruded burnt sewer brick (in FPS Size) confirming to IS- 4885-1988 in curved in cement mortar 1:4 (1 cement : 4 coarse sand) excluding excavation but including 9" or (0.23 m) thick foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) including centering and shuttering and fixing SFRC manhole cover and frame (Heavy Duty) 560 mm internal dia fixed in cement conc. 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and 12 mm thick cement plaster both inside and outside with cement mortar 1:4 (1 cement : 4 coarse sand) and inside plaster to be finished with a floating coat of neat cement. Making necessary channel in cement conc. 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) all complete as per departmental drawings and as directed by Engineer-in-Charge. Note: Cement required 2.68 quintals/Each Cost of manhole frame and cover shall be paid separately.	3	Each		

25	Extra per meter depth of 3'-0" dia or 0.9 m internal circular manhole beyond 3'-0" or 0.91 m up to IL 5'-6" or 1.67 m depth built in brickwork (in FPS Size) with extruded burnt sewer bricks conforming to IS-4885-1988 in curved in cement mortar 1:4(1 cement : 4 coarse sand) 12 mm thick plaster both inside and outside with cement mortar 1: 4(1 cement : 4 coarse sand) and inside plaster to be finished with a floating coat of neat cement and all complete as per departmental drawings and as directed by Engineer-in - charge. Note: Cement required 1 .35 quintals/Meter depth Cost of providing and fixing of plastic encapsulated foot rest will be paid separately	2	Per Mtr		
26	Supplying and stacking at site SFRC manhole frame and cover with steel fibre of ISI marked conforming to IS 12592 part I of HD -20/ EHD -35 with matching frame of class HD 20 IS: 12692 /EHD-35 IS: 12592 part II with 875 mm external dia and clear 560 mm internal dia EHD-35.	7	Each		
	Total				

Special Conditions:

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