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

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NIT Amounting to Rs.66,39,534.00/-(Rs. Sixty Six Lacs Thirty Nine Thousands Five Hundred Thirty Four Rupees Only) approved.

Institute Engineer

C----NIL I----NIL O-----NIL D'Man/AEE(P) AEE(C) E.E (P)

Notice Inviting E-Tender (E-Procurementmode)

INDIAN INSTITUTE OF TECHNOLOGY DELHI

HAUZ KHAS, NEWDELHI-110016

Dated:-06/11/2018

Open Tender Notice No. /IITD/ WORKS(SP-1921)/2018

IndianInstituteofTechnologyDelhiisintheprocessofpurchasingfollowingitem(s)/ services asperdetailsasgivenasunder.

Details of theitem	**Name of work:-Construction of Solid Waste segregation centre at south end road at IIT Delhi.** **(Sub Head :- Civil Work)**
EarnestMoneyDeposit submitted	**Rs.1,32,800.00/-**
Warranty / Maintenance Period	**1 Year**
Performance Security	**5% of Tender Amount**

Tender Documents may be downloaded from Central Public Procurement Portal http://eprocure.gov.in/eprocure/app

AspiringBidderswhohavenotenrolled/registeredine-procurementshouldenroll/registerbeforeparticipating 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'.

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

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

Schedule

Name of Organization	Indian Institute of Technology Delhi
Tender Type(Open/Limited/EOI/Auction/Single)	Open
Tender Category(Services/Goods/works)	Works
Type/Form of Contract (Work/Supply/Auction/ Service/ Buy/ Empanelment/Sell)	Work
Product Category (Civil Works/Electrical Works/Fleet Management/ Computer Systems)	Civil
Source of Fund(Institute/Project)	Budget Code PLN-05/EW
Is Multi Currency Allowed	No
Date of Issue/Publishing	06/11/2018(12:00Hrs)
Document Download/Sale Start Date	06/11/2018(12:00Hrs)
Document Download/Sale End Date	19/11/2018 (15:00Hrs)
Last Date and Time for Uploading of Bids	19/11/2018 (15:00Hrs)
Date and Time of Opening of Technical Bids	20/11/2018 (15:00Hrs)
Tender fee	Rs.1000/-(One Thousand only). (To be paid through RTGS/NEFT. IIT Delhi Bank details are asunder: Name of the Bank A/C : IITD Revenue Account SBI A/C No. : 10773572622 Name of the Bank : State Bank of India, IIT Delhi, HauzKhas, NewDelhi-110016 IFSCCode :SBIN0001077 MICRCode :110002156 SwiftNo. :SBININBB547 (This is mandatory that UTR Number is provided in theon- line quotation/bid. (Kindly refer to the UTR Column of the Declaration Sheet at Annexure-I)
EMD	Rs. 1,32,800.00/-/- (Rs. One LacsThirty Two Thousand Eight Hundred Only) in favour of Registrar IIT Delhi or through RTGS.
No. of Covers(1/2/3/4)	02
Bid Validity days(180/120/90/60/30)	90 days (From last date of opening of tender)
Address for Communication	Executive Engineer (P), work section Room No MZ-136, Main Building, IIT Delhi, Hauz Khas, New Delhi -110016
Contact No.	011-26591762
Email Address	a26790@admin.iitd.ac.in>

Executive Engineer(P)

C----NIL I----NIL O-----NIL D'Man/AEE(P) AEE(C) E.E (P)

NOTICE INVITING E-TENDERS

Executive Engineer (P) Indian Institute of Technology, Hauz Khas, New Delhi-16. (Phone No. 011-26591762) on behalf of Board of Governors invites online **Item Rate Tender** from Firms/ Contractors Registered in appropriate class and category with CPWD, MES, BSNL, and Railways for the following work:

1. NIT No	:	**/IITD/EE(P)/2018-2019**
2. Name of Work	:	**Construction of Solid Waste segregation centre at south end road at IIT Delhi. (Sub Head :- Civil Work)**
3. Estimated cost	:	**Rs. 66,39,534.00/-**
4. Earnest Money	:	**Rs. 1,32,800.00/-**
5. Period of completion	:	**4 Months**

6. Last time& date of submission of bid: 19/11/2018 **upto 3:00 pm (on line)**

The bid forms and other details can be obtained from the website **wwww.iitd.ac.in or e-procure.gov.in free of cost.** For more clarification you may visit on above website.

Executive Engineer (P),
For & on Behalf of BOG, IIT Delhi

Ch. Head: PLN-05/EW
Work code-WO

Copy to: -

1. Institute Engineer
2. Executive Engineer (Elect.) for information.
3. D.A. (Works Accounts)
4. AEE (C)
5. D.R. (A/Cs) – for opening of uploaded documents **at 11:00 AM on 20/11/2018** in the office of D.R. Store
6. Notice Boards.
7. Office Copy
8. Web site Administrator, I.I.T.D.

C----NIL I----NIL O-----NIL D'Man/AEE(P) AEE(C)E.E. (P)

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

INFORMATION AND INSTRUCTIONS FOR BIDDER FOR e-TENDERING

Executive Engineer (P) Indian Institute of Technology, Hauz Khas, New Delhi-16.(Phone No. 011-26591762) on behalf of Board of Governors invites online **Item Rate Tender** from Firms/ Contractors Registered in appropriate class and category with CPWD, MES, BSNL, and Railways for the following work:

Sl. No.	NIT No.	Name of Work	Estimated Cost (in Rs.)	Earnest Money (inRs.)	Tender fees (inRs.)	Time for completion
1.	**/IITD/EE(P)/2017-2018**	**Name of work:- Construction of Solid Waste segregation centre at south end road at IIT Delhi. (sub Head :- Civil Work)**	**66,39,534.00**	**1,32,800.00**	**1000.00**	**04 Months**

Last date and time of submission of financial bid :-19/11/2018 upto3:00 pm (on line)

Date and time of opening of technical bid :-20/11/2018 after 03:00 pm (office of D.R. Store)
Financial bid shall be opened after verification of technical bid

1. The successful bidder shall be required to submit a performance guarantee of 5% of the tendered amount in the form of Bank Guarantee or F.D.R. from a Nationalized/Scheduled Bank within 15 days of issue of letter of intent before award of work. In case of failure by the Contractor to supply the performance guarantee within the specified period, full earnest money will be forfeited and the tender shall be treated as void. The performance guarantee shall be initially valid up to the stipulated date of completion plus 60 (Sixty) days beyond that.

2. Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted.

i) Firms/ Contractors must have completed satisfactorily one similar work of value not less than **Rs. 53,11,700.00/-** or two similar works each of value not less than **Rs. 39,83,800.00/-** or three similar works each of value not less than **Rs. 26,55,900.00/-** during last 7 years ending on date **30/09/2018** for the subject work.

ii) Tender fees – **Rs.1000.00 through online payment as per account detail provided in page 3 of the NIT.**

iii) **Earnest money of Rs. 1,32,800.00/- in the form of Banker Cheque or Demand Draft or Fixed Deposit receipt of a schedule bank drawn in favour of Registrar IIT Delhi OR RTGS .**

3. 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.

4.Information and Instructions for bidders posted on website shall form part of bid document.

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 can be seen and downloaded from website http://eprocure.gov.in/eprocure/app. in free of cost.But the bid can only be submitted after online payment of Tender Fee .

6. Completion certificates issued by an officer not below the rank of Executive Engineer of similar works completed by the Agency.
7. Attested copy of registration certificates to be submitted. Registration of firms/ Contractors must be valid on the last day of issue of Tenders or extended date of issue of Tenders.
8. Work means only work under Government/ Public Sector Under taking / Autonomous bodies.
9. Similar work means work pertaining to works of Renovation/ Addition Alteration/ Rehabilitation/ New construction of buildings (Civil works).
10. 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.
11. IITD is committed to follow the principle of transparency, equity and competitiveness in public procurement. Before submission of bid each bidder should sign acceptance to execute integrity pact at respective places and submit the bid, if duly signed acceptance to execute integrity pact is not submitted by bidder such bid shall not be considered.
12. 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
13. The intending bidder must have valid class-III digital signature to submit the bid.
14. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
15. Contractor can upload documents in the form of JPG format and PDF format.
16. Contractor must ensure to quote rate of each item., If any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).
17. 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.
18. 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.
19. Contractor should be registered with E.S.I and E.P.F.
20. In e-tendering 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.
21. The bid can only be submitted after uploading the mandatory scanned documents such as Demand Drafts or Pay Order or Banker's Cheque or Deposit at call Receipt or Fixed Deposit Receipts and towards cost of EMD in favour of Registrar IIT Delhi to be deposit with http://eprocure.gov.in/eprocure/app/NEFT facility.
22. The physical EMD of the scanned copy of EMD uploaded shall be deposited by the lowest tenderer within a week after opening of financial bid failing which the tender shall be rejected.
23. 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**"
24. 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.
25. Online bid documents submitted by intending bidders shall be opened only of those bidders, who has submitted EMD and other documents scanned and uploaded are found in order.
26. 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.
27. The bid submitted shall become invalid if:
    a. The bidder is found ineligible.
    b. The bidder does not uploaded all the documents (GSTIN Registration) as stipulated in the bid document included the undertaking about deposition of physical EMD of the scanned copy of EMD uploaded.

c. If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest tenderer in the office of tender opening authority.
d. The lowest bidder does not deposit physical EMD within a week of opening of financial bid.

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

1. Scaned copy /Online Payment of EMD and online Tender Fee.
2. Enlistment order of contractor.
3. Attested certificate of work experience.
4. Certificate of Registration of GST and acknowledgment of up to date field return of GST.
5. Affidavit as per Notice Inviting Tender condition 1.2.2 of page 14 of NIT to be submitted on stamp paper.
6. Acceptance to execute INTEGRITY PACT.
7. Undertaking as per "sr. no. 23" above on firm's letter head if the scan copy of EMD uploaded.

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

8. ESI and EPF Registration.
9. Organization Declaration sheet as per annexure-I
10. Tender Fee of Rs.1000/- to be paid online as per detailed provided in schedule page 3.

Executive Engineer (P),
For & on Behalf of BOG, IIT Delhi

Ch. Head: PLN-05/EW
Work code-WO

Copy to: -

1. D.A. (Works Accounts)
2. AEE (C)
3. D.R. (A/Cs) – for opening of uploaded documents **at 03:00 PM on 20/11/2018** in the office of D.R. Store
4. Notice Boards.
5. Office Copy
6. Web site Administrator, I.I.T.D.
7. NIT:- Publicity on Website on institute as well as on CPP portal http://eprocure.gov.in may be ensured as per instruction issued.
   E-tendering Web.http://eprocure.gov.in/eprocure/app or www.iitdelhi.ac.in

C----NIL I----NIL O-----NIL D'Man/AEE(P) AEE(C)E.E. (P)

Instructions for Online Bid Submission:

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

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

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

REGISTRATION

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

SEARCHING FOR TENDER DOCUMENTS

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

PREPARATION OF BIDS

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

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

3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black and white option.

4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

1) Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
3) Bidder has to select the payment option as "on-line" to pay the tender fee / EMD as applicable and enter details of the instrument. Whenever, EMD / Tender fees is sought, bidders need to pay the tender fee and EMD separately on-line through RTGS (Refer to Schedule, Page No.2).
4) A standard BoQ format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BoQ file, open it and complete the white colored (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.
5) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
6) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done.
7) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
8) Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
9) Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

ASSISTANCE TO BIDDERS

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

General Instructions to the Bidders

1) The tenders will be received online through portal http://eprocure.gov.in/eprocure/app . In the Technical Bids, the bidders are required to upload all the documents in .pdf format.

2) Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the company's name is a prerequisite for registration and participating in the bid submission activities through https://eprocure.gov.in/eprocure/app. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site https://eprocure.gov.in/eprocure/app under the link "Information about DSC".

3) Tenderer are advised to follow the instructions provided in the 'Instructions to the Tenderer for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement at https://eprocure.gov.in/eprocure/app .

C----NIL I----NIL O-----NIL D'Man/AEE(P) AEE(C)E.E. (P)

ANNEXURE-I

<< Organization Letter Head >>

DECLARATION SHEET

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

This is certified that our organization has been authorized (Copy *attached*) by the OEM to participate in Tender. We further certified that our organization meets all the conditions of eligibility criteria laid down in this tender document. Moreover, OEM has agreed to support on regular basis with technology / product updates and extend support for the warranty.

The prices quoted in the financial bids are subsidized due to academic discount given to IIT Delhi.

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	
2 Fax	
3 E-mail	
4 Contact Person Name	
5 Mobile Number	
6 TIN Number	
7 PAN Number	
(In case of on-line payment of Tender Fees) 8 UTR No. (For Tender Fee)	
(In case of on-line payment of EMD) 9 UTR No. (For EMD)	
10.Bank details of bidder (Name of Bank)	
11.Bank Branch Address with Phone No.	
12.IFSC Code	
13.MICR code of Bank	
14.Bank Account No	
15. Type of Bank account	

C----NIL I----NIL O-----NIL D'Man/AEE(P) AEE(C)E.E. (P)

List of Documents Scanned and uploaded /check list.

1. Scaned copy /Online Payment of EMD and onlineTender Fee.
2. Enlistment order of contractor.
3. Attested certificate of work experience.
4. Certificate of Registration of GST and acknowledgment of up to date field return of GST.
5. Affidavit as per Notice Inviting Tender condition 1.2.2 of page 14 of NIT to be submitted on stamp paper.
6. Acceptance to execute INTEGRITY PACT.
7. Undertaking as per "sr. no. 23" above on firm's letter head if the scan copy of EMD uploaded.

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

8. ESI and EPF Registration.
9. Organization Declaration sheet as per annexure-I
10. Tender Fee of Rs.1000/- to be paid online as per detailed provided in schedule page 3.

(**Signature of the Tenderer)**

1 Name & Address of the bidder :

Seal of the Company

C----NIL I----NIL O-----NIL D'Man/AEE(P) AEE(C)E.E. (P)

Notice Inviting Tender

INDIAN INSTITUTE OF TECHNOLOGY DELHI

HAUZ KHAS, NEW DELHI

(Works Department)

C----NIL I----NIL O-----NIL D'Man/AEE(P) AEE(C)E.E. (P)

I.I.T.D – 6 FOR e-TENDERING	I.I.T.D

INDIAN INSTITUTE OF TECHNOLOGY
HAUZ KHAS, NEW DELHI - 110016

NOTICE INVITING TENDER

Item rate tenders are invited on behalf of The Board of Governors, I.I.T. Delhi, Hauz Khas, New Delhi - 16 from approved and eligible contractors of **CPWD** and those of appropriate class of **M.E.S., BSNL and Railway** dealing with building and roads for the work of **Construction of Solid Waste segregation centre at south end road at IIT Delhi. (Sub Head ;- Civil Work)**

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

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

1.1 The work is estimated to cost **Rs. 66,39,534.00** This estimate, however, is given merely as a rough guide.

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

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

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

Criteria of eligibility for submission of bid documents.

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

Three similar works each of value not less than 40% of estimated cost or two similar work each of value not less than 60% of estimated cost or one similar work of value not less than 80% of estimated cost (rounded to nearest Rs. 100/-) in last 7 years ending last day of the month previous to the one in which the tenders are invited.

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 tender.

I.I.T.D – 6 FOR e-TENDERING	I.I.T.D

1.2.2 To become eligible for issue of bid, the bidders shall have to furnish an affidavit as under :-
I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in I.I.T.D in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee (Scanned copy to be uploaded at the time of submission of bid)

2. Agreement shall be drawn with the successful bidders on prescribed Form No. I.I.T.D 7/8 which is available as I.I.T.D. Publication. Bidders shall quote their rates as per various terms and conditions of the said form which will form part of the agreement.

3. The time allowed for carrying out the work will be **as per Tender Notice** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.

4. The site for the work is available.

OR

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

5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen from the web Site **www.iitd.ac.in or e-procure.gov.in free of cost** and other necessary documents can seen in the office of the **Work Section of Room No. MZ-136** between hours of 11:00 AM & 4:00 PM from **06/11/2018 to 19/11/2018** as per tender notice every day except on Saturday, Sunday and public holidays.

6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of tender as notified.

7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of tender as notified.

8. If it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the tender submitted earlier shall become invalid.

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I.I.T.D – 6 FOR e-TENDERING	I.I.T.D

Copy of Enlistment Order and certificate of work experience and other documents as specified in the press notice / web notice shall be scanned and uploaded to the tender website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice / web notice shall have to be submitted by the lowest bidder in the office of tendering authority.

Online bid documents submitted by intending bidders shall be opened only of those bidders, who has deposited tender online fees with and earnest money deposit and other documents scanned and uploaded are found in order.

The bid submitted shall become invalid &Tender fees shall not be refunded if:

(i) The bidder is found ineligible.

(ii) The bidder does not upload all the documents (GSTIN Registration) 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 by the lowest tenderer in the office of tender opening authority.

9. The contractor whose bid is accepted will be required to furnish **performance guarantee of 5% (Five Percent)** of the bid amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/ Demand Draft of any scheduled bank/Pay order of any Scheduled Bank (in case guarantee amount is less than Rs.1,00,000/-) or Government Securities or Fixed Deposit Receipts or irrevocable Bank Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.

10. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and subsoil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

I.I.T.D – 6 FOR e-TENDERING	I.I.T.D

11. The competent authority on behalf of the Board of Governors does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidder shall be summarily rejected.

12. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable to rejection.

13. The competent authority on behalf of Board of Governors reserves to himself the right of accepting the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted.

14. The contractor shall not be permitted to bid for works in the IITD responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the IIT Delhi. Any breach of this condition by the contractor would render him liable to be debarred from bidding process in future in IIT Delhi.

15. No Engineer of gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.

16. The bid for the works shall remain open for acceptance for a period of **ninety (90) days** from the date of opening of financial bids, if any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the IIT Delhi shall, without prejudice to any other right or remedy, be at liberty to forfeit 50%of the said earnest money as aforesaid. Further the bidder shall not be allowed to participate in the re-bidding process of the work.

17. This notice inviting bid shall form a part of the contract document. The successful bidder / contractor, on acceptance of his bid by the Accepting Authority shall within 15days from the stipulated date of start of the work, sign the contract consisting of:-

a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.

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

18. In case any discrepancy is noticed between the documents as uploaded at the time of submission of the bid online and hard copies as submitted physically in the office of Executive Engineer, then the bid submitted shall become invalid and the IIT Delhi shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidder shall not be allowed to participate in there-bidding process of the work.

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

To,

……..,

……..,
……..

Subject:- NIT No. /IITD/EE(P)/2018-2019 for the work of Construction of Solid Waste segregation centre at south end road at IIT Delhi.(Sub Head :- Civil Work)

Dear Sir,

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

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

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

Yours faithfully

Executive Engineer (P)

C----NIL I----NIL O-----NIL D'Man/AEE(P) AEE(C)E.E. (P)

Acceptance to execute integrity pact	I.I.T.D

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

To,
Executive Engineer (P),
IIT Delhi, Hauz Khas,
New Delhi – 110016.

Subject:- **Submission of Bid for the of Construction of Solid Waste segregation centre at south end road at IIT Delhi. (Sub Head :- Civil Work)**

Dear Sir,

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

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

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

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

Yours faithfully

(Duly authorized signatory of the Bidder)

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

To be signed by the bidder and same signatory competent / authorized to sign the relevant contract on behalf of I.I.T.D.

INTEGRITY AGREEMENT

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

BETWEEN

The Board of Governors, I.I.T. Delhi, HauzKhas, New Delhi - 16 represented through Executive Engineer (P) IIT Delhi.
....., (Hereinafter referred as the
(Address of Division)
'**Principal/Owner**', which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

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

Preamble

WHEREAS the Principal / Owner has floated the Tender (NIT No. .....) (Hereinafter referred to as "**Tender/Bid**") and intends to award, under laid down organizational procedure, contract for …….....
(Name of work)
hereinafter referred to as the "**Contract**".

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

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

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

Article 1: Commitment of the Principal/Owner

1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:

   (a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

   (b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.

   (c) The Principal/Owner shall endeavour to exclude from the Tender process any person, whose conduct in the past has been of biased nature.

2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

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

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

2) The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:

a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.

b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.

c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contract(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.

e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

3) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

4) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests**.

5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

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

1) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days' notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. **Such exclusion may be forever or for a limited period as decided by the Principal/Owner**.

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

3) **Criminal Liability**: If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.

2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.

3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

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

1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Sub-contractors/sub-vendors.
2) The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.

3) The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article 6- Duration of the Pact

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

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

Article 7- Other Provisions

1) This Pact is subject to Indian Law, place of performance and jurisdiction is the Headquarters of the Division of the Principal/Owner, who has floated the Tender.

2) Changes and supplements need to be made in writing. Side agreements have not been made.

3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.

4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intensions.

5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.

Article 8- LEGAL AND PRIOR RIGHTS

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

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

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

.....
(For and on behalf of Bidder/Contractor)

WITNESSES:

1. .....

   (signature, name and address)

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

Place:

Dated :

I.I.T.D – 7/8 e-TENDERING	I.I.T.D

INDIAN INSTITUTE OF TECHNOLOGY
HAUZ KHAS, NEW DELHI - 110016

Percentage Rate Tender/**Item Rate Tender & Contract for Works**

Tender for the work of: **Name of work:-Construction of Solid Waste segregation centre at south end road at IIT Delhi. (Sub Head :- Civil Work)**

(i) To be submitted by 4**:00 PM** hours on 19/11/ 2018 **as per tender notice page**

3…… to

……

(ii) To be opened in presence of bidders who may be present at **as per tender notice page 3**

……

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

Issued to ……..

Signature of officer issuing the documents ……..……

Designation ……..……

Date of Issue …….

TENDER

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

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

We agree to keep the tender open for ninety (90) days from the due date of its opening / ninety days from the date of opening of financial bid in case tenders are invited on 2/3 envelop system (**strike out as the case may be**) and not to make any modification in its terms and conditions.

I.I.T.D – 7/8 e-TENDERING	I.I.T.D

A sum of **as per tender notice** is hereby forwarded in Banker Cheque or Demand Draft or Fixed Deposit receipt of a schedule bank drawn in favour of IIT Delhias earnest money. If I/We, fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the said The Board of Governors, I.I.T. Delhi, Hauz Khas, New Delhi - 16 or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that The Board of Governors, I.I.T. Delhi, HauzKhas, New Delhi - 16 or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. Further, I/We agree that in case of forfeiture of Earnest Money & Performance Guarantee as aforesaid. I/We shall be debarred for participation in the re-tendering process of the work.

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

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

Dated:

Signature of Contractor

Witness:

Postal Address

Address:

Occupation:

I.I.T.D – 7/8 e-TENDERING	I.I.T.D

ACCEPTANCE

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

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

(a)

(b)

(c)

For & on behalf of Board of Governors, IIT Delhi

Signature ……..

Dated: Designation …….

C----NIL I----NIL O-----NIL D'Man/AEE(P) AEE(C)E.E. (P)

PROFORMA OF SCHEDULES	I.I.T.D

PROFORMA OF SCHEDULES

(Separate Performa for Civil, Elect.& Hort. Works in case of Composite Tenders) (Operative Schedules to be supplied separately to each intending tenderer)

SCHEDULE 'A'

Schedule of quantities (enclosed)

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			4	
←	**Nil**			→

SCHEDULE 'C'

Tools and plants to be hired to the contractor

S.No.	Description	Hire charges per day	Place of Issue
1			
←	**Nil**		→

SCHEDULE 'D'

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

---------- **Nil** ----------

C----NIL I----NIL O-----NIL D'Man/AEE(P) AEE(C)E.E. (P)

PROFORMA OF SCHEDULES	I.I.T.D

SCHEDULE 'E'

Reference to General Conditions of contract.

Name of work:-Construction of Solid Waste segregation centre at south end road at IIT Delhi. (Sub Head :- Civil Work)

Estimated cost of wor : **Rs. 66,39,534.00/-**

(i) Earnest Money : **Rs. 1,32,800.00/-**

(ii) Performance Guarantee : **5% of tendered value**

(iii) Security Deposit : **5% of tendered value**

SCHEDULE 'F'

GENERAL RULES& DIRECTIONS : Officer inviting tender IITD/ Form – 7/8-2010

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3: See below

Definitions:

2(v) Engineer-in-Charge **Executive Engineer**

2(viii) Accepting Authority Institute **Engineer**

2(x) Percentage on cost of materials and Labour to cover all overheads and profits: 15%

2(xi) Standard Schedule of Rates – DSR 2016 andMarket Rate

2(xii) Department – **Works department at I.I.T Delhi**

9(ii) Standard I.I.T.D Contract Form GCC 2010, I.I.T.D Form 7/8-2010 modified & Corrected up to date of submission of tender.

Clause 1

(i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance 15 days

(iii) Maximum allowable extension with late fees @ 0.1% per day of performance guarantee amount beyond the period provided in (i) above 1 to 15 days

PROFORMA OF SCHEDULES	I.I.T.D

Clause 2
Authority for fixing compensation under clause 2

Institute Engineer

Clause 2A

Whether Clause 2A shall be applicable **No**

Clause 5

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

Mile stone(s) as per table given below:-

Sl. No.	Description of Milestone (Financial)	Time allowed in days (from date of start)	Amount to be with-held in case of non-achievement of mile stone
			In the event of not achieving the necessary progress as assessed from the running payment, 1% of the Tender value of work will be withheld for failure of each milestone.
1	1/8th (of the whole work)	1/4th(of the whole work)	
2	3/8th (of the whole work)	1/2th (of the whole work)	
3	3/4th (of the whole work)	3/4th (of the whole work)	
4	Full	Full	

Time allowed for execution of work **As per tender notice.**

Authority to decide:

(i) Extension of time **Executive Engineer.**

(ii) Rescheduling of mile stones **Institute Engineer.**

Clause 6, 6A

Clause applicable - (6 or 6A) ..... **Clause 6A**.....

Clause 7

Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment Rs. 15.00 Lakhs

Clause 10A

List of testing equipment to be provided by the contractor at site lab.

1..... 2. ..... 3.....

4..... 5. ..... 6.....

---------- Nil ----------

C----NIL I----NIL O-----NIL D'Man/AEE(P) AEE(C)E.E. (P)

PROFORMA OF SCHEDULES	I.I.T.D

Clause 10B(ii)

Whether Clause 10 B (ii) shall be applicable **No**

Clause 10C

Component of labour expressed as percent of value of work = 25**%**

Clause 10CA

S.N.	Material covered under this clause	Nearest Materials (other than cement, reinforcement bars and the structural steel) for which All India Wholesale Price Index to be followed	Base Price of all Materials covered under clause 10 CA*
1			
2			
3		------- **Nil** -------	
4			

* Base price of all the materials covered under clause 10 CA is to be mentioned at the time of approved of NIT.

Clause 10CC

Clause 10 CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column 12 months

Schedule of component of other Materials, Labour, POL etc. for price escalation.

Component of civil (except materials covered under clause 10CA) /Electrical construction Materials expressed as percent of total value of work. - Xm .....%

Component of Labour - expressed as percent of total value of work. Y..... %

Component of P.O.L. - expressed as percent of total value of work. Z..... %

Clause 11

Specifications to be followed for execution of work — CPWD specifications 2009 Vol-1&2 with upto date correction slips & manufacturers specifications

PROFORMA OF SCHEDULES | I.I.T.D

Clause 12

Type of work -Maintenance works including works of up-gradation, aesthetic, special repair, addition/ alteration.

12.2. & 12.3 Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for building work **30%**

12.5 Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work **100%**

Clause 16

Competent Authority for deciding reduced rates. Institute **Engineer**

Clause 18

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

1. ..... 2. ..... 3. .....

4. ..... 5. ..... 6. .....

7. ..... 8. ..... 9. .....

------ Nil ------

Clause 25

Constitution of Dispute Redressal Committee (DRC)	**Competent Authority to appoint DRC**
DRC shall constitute one Chairman a two members	**Director Indian Institute of Technolog Delhi**

Nil

Clause 36 (i)

Requirement of Technical Representative(s) and recovery Rate

S. No.	Minimum Qualification of Technical Representative.	Discipline	Designation (Principal Technical/ Technical Representative)	Minimum Experience (Years)	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)	
						Figures	Words
	Graduate Engineer or Diploma Engineer	Civil	Project Planning/ Site / billing Engineer	2 5	1 1	**Rs.15,000.00 per month.**	Rupees Fifteen Thousand only per month

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

PROFORMA OF SCHEDULES	I.I.T.D

Clause 42

(i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates **2016** printed by C.P.W.D.

(ii) Variations permissible on theoretical quantities:

(a) Cement

For works with estimated cost put to tender not more than Rs. 5 lakh.	3% plus/minus.
For works with estimated cost put to tender more than Rs.5 lakh.	2% plus/minus.

(b) Bitumen All Works — 2.5% plus only & nil on minus side.

(c) Steel Reinforcement and structural steel sections for each diameter, section and category — 2% plus/minus

(d) All other materials. — Nil

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

S. No.	Description of Item	Rates in figures and words at which recovery shall be made from the Contractor	
		Excess beyond permissible variation	Less use beyond permissible variation
1.	Cement	As per CPWD Specification 2009	
2.	Steel Reinforcement		
3.	Structural Sections		
4.	Bitumen issued free		
5.	Bitumen issued at stipulated fixed Price		

BANK GUARANTEE BOND	I.I.T.D

Form of Earnest Money Deposit
Bank Guarantee Bond

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

KNOW ALL PEOPLE by these presents that we ..... …..(name of bank) having our registered office at ..... (hereinafter called "the Bank") are bound unto .... (Name and division of Executive Engineer) (hereinafter called "the Engineer-in-Charge") in the sum of Rs. ..... (Rs. in words .....) for which payment well and truly to be made to the said Engineer-in-Charge the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this .....day of ..... 20....
THE CONDITIONS of this obligation are:

(1) If after tender opening the Contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;

(2) If the contractor having been notified of the acceptance of his tender by the Engineer-in-Charge:

(a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required;

OR

(b) fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and Instructions to contractor,

OR

(c) fails or refuses to start the work, in accordance with the provisions of the contract and Instructions to contractor,

OR

(d) fails or refuses to submit fresh Bank Guarantee of an equal amount of this Bank Guarantee, against Security Deposit after award of contract.

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

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

DATE .....

SIGNATURE OF THE BANK

WITNESS .....SEAL

(SIGNATURE, NAME AND ADDRESS)

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

LIST OF APPROVED MAKES FOR CIVIL & Electrical works

A-Civil Items

S. No.	Description	Approved Makes
1.	Cement (Grey) OPC/ PPC	ACC / Ultratech/ J.K. / BIRLA/ J.P./ Vikram
2.	Cement (White)	J.K. / BIRLA
3.	Reinforcement Steel	PRIMARY MANUFACTURERS APPROVED BY MINISTRY OF STEEL / SECONDARY MANUFACTURERS HAVING VALID BIS LICENSE (to be as per latest BIS provisions)
4.	Structural Steel	PRIMARY MANUFACTURERS APPROVED BY MINISTRY OF STEEL / SECONDARY MANUFACTURERS HAVING VALID BIS LICENSE (to be as per latest BIS provisions)
5.	Stainless steel (Grade 304)	Jindal / SAIL / Salem
6.	Bricks	COMMERCIALLY AVAILABLE OR REQUIRED STRENGTH
7.	Aluminum Sections	HINDALCO / JINDAL / MAHAVIR
8.	Flush doors	CENTURY / MERINO / DURO BOARD /GREEN
9.	Laminates	GREENLAM / DURO / MERINO /DECOLAM / CENTURY
10.	Glass / Mirror	SAINT GOBAIN / MODI FLOAT / ASAHI FLOAT
11.	Ceramic Glazed tiles/Border tiles	1ST QUALITY KAJARIA / NITCO / JOHNSON / ORIENT / SOMANY
12.	Vitrified Tiles	NAVEEN / SOMANY / JOHNSON / KAJARIA
13.	Interlocking Precast pavers blocks / Kerb Stone	HINDUSTAN TILES / NIMCO PREFAB / K.K. MANHOLES / DALAL
14.	Stainless Steel Hinges	JOLLY / GARG /AMIT / ASI SUPREME
15.	Stainless Steel Nuts Bolts / Screws	KUNDAN / PUJA / ATUL / GKW
16.	Paint / primer / oil bound distemper Acrylic paint	1st QUALITY PAINTS OF ASIAN / BERGER / NEROLAC / AKZONOBAL INDIA (ICI)
17.	Water Proof. Cement Paint	SNOWCEM / ASIAN PAINTS / BERGER / NEROLAC/ AKZONOBAL INDIA (ICI)
18.	Sanitary ware (Vitreous China) (European Seats, Urinal Wash Basins, etc.)	HINDWARE / PARRYWARE / CERA
19.	Seat Covers	HINDWARE / PARRYWARE / CERA
20.	C.P. brass Fittings / Accessories	JAQUAR / MARC / CERA / KOHLAR
21.	G.I. Pipes	TATA / JINDAL (HISSAR)
22.	G.I. Fittings	UNIK / ZOLOTO
23.	Stainless Steel Sink	NEELKANTH / JAINA / KINGSTON (COBRA) / NIRALI
24.	Commercial Board / PLY	MERINO / DURO /GREEN / CENTURY
25.	CI Pipes / Fittings & Manhole covers	RIF / NECO / BENGAL IRON WORKS / BC / SKF
26.	CI Pipes “Class LA”	NICO / KESORAM / ELECTRO STEEL / KAPILANSH
27.	Floor Spring	DOORKING / EVERITE
28.	Door Closer	EVERITE / SANDHU/ Hardwin or as approved Equivalent
29.	Bison Board	BISON / E BOARD
30.	Vertical Blinds	VISTA / MAC
31.	False Ceiling	Armstrong/ Saint Gobain/ Metaworth
32.	Water proofing compound	CICO / FOSROC / PIDILITE / Sika
33.	Polymer Compound	CICO / PIDILITE / FOSROC /Sika
34.	Particle Board	NOVA PAN / BHUTAN BOARD/ Eco Board
35.	Rust Remover / Anticorrosive	FOSROC / CICO / PIDILITE/SIKKA or BASF
36.	Adhesive	FEVICOL / VAMICOL
37.	Tile Adhesive	PIDILITE / BALENDURA / FERROUSCRETE / Sika
38.	Wall Putty	BIRLA / JK / FERROUSCRETE/ Sika
39	GRG Partitions	Gypsum India or as approved equivalent
40	Insulation	U.P. Twiga Ltd or as approved equivalent
41.	Epoxy Grout	Ballendura / Kerakoll / Ferrouscrete/ Sika
42.	PVC Water storage tank (ISI marked)	Sintex / UniPlast / Polywell
43.	PVC insulated Water storage tank Heavy duty 4/5 layer	Sintex / UniPlast / Polywell / Euro
44.	Brass Ball Valve/ Gate Valve / Float Valve	Zoloto / Leader / SANT
45.	Aluminium Door fittings	Classic or ISI
46.	Brass Bib / Stop cock	Sant / Leader or ISI
47.	Thermoplastic paint	CBM, CMS, S.N. Industries and any other approved by Engineer-in-charge.
48.	Plaster of paris putty	Sakarni, Adhar Shree, Shree Ram, J.K., Ashirwad
49.	Glow Stud, Solar Power Stud	Road Star / 3M / Dark Eye /Every Dennison

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HAUZ KHAS: NEW DELHI

ADDITIONAL CONDITIONS

1. Non Judicial stamp paper worth Rs. 10/- (Ten Rupees only) will be submitted by contractor which will have to be signed as token of acceptance.

2. No T & P would be supplied by the Institute and contractor will have to make his own arrangement.

3. The contractors are advised to get acquitted with the proposed work including specifications & its site and additional conditions carefully before quoting. No claim of any sort shall be entertained on account of any site conditions and ignorance of specifications & additional conditions. The work shall be carried out as per the availability of houses of renovation.

4. The work shall be carried out as per CPWD specifications 2009 volume I & II for civil and 2005 for electrical 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 inclusive of GST ,Royalty, Cartage& stacking of material required at places etc.nothing shall be paid extra on any account ..

6. The rates for different items of work shall apply for all Heights & Depths, Leads & Lifts unless otherwise specified in the agreement or specifications applicable in the agreement.

7. 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.

8. Articles manufactured by the reputed firms and approved by Engineer-in-Charge shall only be used. Only articles classified as "**First quality"** by the manufacturer shall be used unless otherwise specified.

9. The sample of material required in the work brought at site shall be got approved from Engineer –in-Charge before use in execution of work.

10. The sample of material required for Testing shall be provided at free of cost by the contractor. Testing charges if any shall be borne by the institute in case the test results are satisfactory. All other expenditure to be incurred for taking sample, conveyance, packing etc. shall be borne by the contractor.

11. The contractor shall submit a detailed programme of work within 7 days of the date of award of work. The Engineer – in- Charge can modify the programme and the contractors have to work accordingly.

12 **(a) Water arrangement has to be made by agency but if Institute provides then recovery rate will be 1% of gross done work from bills.(b) Electricity for work will be arranged by the contractor. If Institute provides electricity the recovery rate will be 0.50% of gross work done from the bills.**

13 The contractor shall make his own arrangement for getting the permission with respect to trucks from the Traffic Police.

14 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.

15 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.

16 The contractor shall be fully responsible for the safe custody of the material issued or brought at site by him for doing the work.

17 The Malba / Garbage generated at site due to construction activities shall be removed from the site immediately & shall be disposed off by the contractor to the approved dumping site of MCD.

18 The contractor shall clean the site thoroughly of scaffolding materials, rubbish, equipment 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.

19 Income tax andLabourcess as applicable shall be deducted from the bills of contractor.

20 Firm should be registered with ESI and EPF and actual **reimbursement** shall be made only after production of original receipt

21 Special Conditions:-

i) No labour huts shall be allowed in IIT Campus and nothing shall be extra paid on this account.

ii) The contractor must visit the site of work before quoting the rates.

iii) No labour to stay in IIT Campus nothing shall be extra paid on this account.

iv) Site shall be made available as and when available.

C----NIL I----NIL O-----NIL D'Man/AEE(P) AEE(C)E.E. (P)

IITD -2010 CORRECTION SLIPS

In general condition of contract for IIT Delhi works department 2010

	Existing	Modified
Reference	**Existing Provision**	**Modified Provision**
Clause 3 (vii)	If the contractor shall obtain a contract with Government as a result of wrong tendering or other non-bonafide methods of competitive tendering.	If the contractor had secured the contract with Government as a result of wrong tendering or other non-bonafide methods of competitive tendering **or commits breach of Integrity Agreement.**
Reference	**Existing Provision**	**Modified Provision**
Deviations /variation extent and pricing	**CLAUSE 12** The Engineer-in-Charge shall have power (i) to make alteration in, omissions from, additions to, or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and (ii) to omit a part of the works in case of non-availability of a portion of the site or for any other reasons and the contractor shall be bound to carry out the works in accordance with any instructions given to him writing signed by the Engineer-in-Charge and such alterations, omissions, additions or substitutions shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main works except as hereafter provided.	**CLAUSE 12** The Engineer-in-Charge shall have power (i) to make alteration in, omissions from, additions to, or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and (ii) to omit a part of the works in case of non-availability of a portion of the site or for any other reasons and the contractor shall be bound to carry out the works in accordance with any instructions given to him writing signed by the Engineer-in-Charge and such alterations, omissions, additions or substitutions shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main works except as hereafter provided. **The completion cost of any agreement for Maintenance works including works of upgradation, aesthetic, special repair, addition/ alteration shall not exceed 1.5 times of Tendered amount.**
Deviations /,Extra items, pricing C----NIL	12.2 In the case of extra items (items that are completely new and are in addition to the items contained in the contract), the contractor may within 15 days of receipt of order or occurrence of the item(s) claim rate, supported by proper analysis, for the work and the Engineer-in-charge shall within one month of the receipt of the claims supported by analysis after giving considerations to the analysis of the rates submitted by the contractor, determined the rates on basis of market rates and the contractor shall be paid in accordance with the rates so determined. I----NIL O-----NIL D'Man/AEE(P)	12.2 **A. For Project and original works:** In the case of extra items (items that are completely new and are in addition to the items contained in the contract), the contractor may within 15 days of receipt of order or occurrence of the item(s) claim rate, supported by proper analysis, for the work and the Engineer-in-charge shall within one month of the receipt of the claims supported by analysis after giving considerations to the analysis of the rates submitted by the contractor, determined the rates on basis of market rates and the contractor shall be paid in accordance with the rates so determined. AEE(C)E.E. (P)

		B. For Maintenance including works of upgradation, aesthetic, special repair, addition/ alteration: **In the case of Extra Item(s) being the schedule items (Delhi Schedule of Rates items), these shall be paid as per the schedule rate plush cost index (at the time of tender) plus/minus percentage above below quoted contract amount.** **Payment of Extra items in case of non-schedule items (Non-DSR items) shall be made as per the prevailing market rate.**
Deviations, Substituted items, pricing	In the case of substituted items (items that are taken up with partial substitution or lieu of items of work in the contract), the rate for the agreement item (to be substituted) and substituted item shall also be determined in the manner as mentioned in the following Para. (a) If The market rate for the substituted item so determined is more than the market rate of the agreement item (to be substituted), the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted). (b) If the market rate for the substituted item so determined is less than the market rate of the agreement item (to be substituted), the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so decreased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted)	**A. For Project and original works:** In the case of substituted items (items that are taken up with partial substitution or lieu of items of work in the contract), the rate for the agreement item (to be substituted) and substituted item shall also be determined in the manner as mentioned in the following Para. (a) If The market rate for the substituted item so determined is more than the market rate of the agreement item (to be substituted), the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted). (b) If the market rate for the substituted item so determined is less than the market rate of the agreement item (to be substituted), the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so decreased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted) **B. For Maintenance including works of upgradation, aesthetic, special repair, addition/ alteration:** **In the case of Substitute Item(s) being the schedule items (Delhi Schedule of Rates items), these shall be paid as per the schedule rate plush cost index (at the time of tender) plus/minus percentage above below quoted contract amount.** **Payment of Extra items in case of non-schedule items (Non-DSR items) shall be made as per the prevailing market rate.**
Deviations, Deviated Quantities,	In the case of contract items, substituted items, contract cum substituted items, which exceed the limits laid down in schedule F, the contractor may	**A. For Project and original works:** In the case of contract items, substituted items, contract cum substituted items,

pricing	within fifteen days of receipt of order or occurrence of the excess, claim revision of the rates, supported by proper analysis for the work in excess of the above mentioned limits, provided that if the rates so claimed are in excess of the rates specified in the schedule of quantities, the Engineer-in-Charge shall within one month of receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined.	which exceed the limits laid down in schedule F, the contractor may within fifteen days of receipt of order or occurrence of the excess, claim revision of the rates, supported by proper analysis for the work in excess of the above mentioned limits, provided that if the rates so claimed are in excess of the rates specified in the schedule of quantities, the Engineer-in-Charge shall within one month of receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined. **B. For Maintenance including works of upgradation, aesthetic, special repair, addition/ alteration:** **In the case of contract items, which exceed the limit laid down in schedule F, the contractor shall be paid rates specified in the schedule of quantities.**
	12.3 The provisions of the preceding paragraph shall also apply to the decrease in the rates of items for the work excess of the limits laid down in Schedule F, and the Engineer-in-Charge shall after giving notice to the contractor within one month of occurrence of the excess and after taking into consideration any reply received from him within fifteen days of the receipt of the notice, revise the rates for the work in question within one month of the expiry of the said period of fifteen days having regard to the market rates.	12.3 **A. For Project and original works:**The provisions of the preceding paragraph shall also apply to the decrease in the rates of items for the work excess of the limits laid down in Schedule F, and the Engineer-in-Charge shall after giving notice to the contractor within one month of occurrence of the excess and after taking into consideration any reply received from him within fifteen days of the receipt of the notice, revise the rates for the work in question within one month of the expiry of the said period of fifteen days having regard to the market rates. **B. For Maintenance including works of upgradation, aesthetic, special repair, addition/ alteration:** In the case of decrease in the rates **Prevailing in the market** of items for the the work excess of the limits laid down in Schedule F, and the Engineer-in-Charge shall after giving notice to the contractor within one month of occurrence of the excess and after taking into consideration any reply received from him within fifteen days of the receipt of the notice, revise the rates for the work in question within one month of the expiry of the said period of fifteen days having regard to the market rates.

	14. The Tender of the work shall remain open for acceptance for a period of ninety (90) days from the date of opening of tenders / ninety days from the date of opening of financial bid in case Tenders are invited on 2/3 envelope system (strike out as case may be) if any Tenderer withdraws his tender before the said period or issue of letter of acceptance of acceptance, whichever is earlier or makes any modifications in the terms and conditions of the tender which are not acceptable to th department, then the Government shall, without prejudice to any other right or remedy, if the said earnest money as aforesaid, Further the tenderer shall not be allowed to participate in the retendering process of the work.	**CPWD-6** **14.**The Tender of the work shall remain open for acceptance for a period of ninety (90) days from the date of opening of tenders / **Ninety days from the date of opening of Technical bid in case Tenders are invited on 2 envelope system / 120 days from the date of opening of Technical bids bids in case tenders are invited for specialized works on 3 envelope system** (strike out as case may be) if any Tenderer withdraws his tender before the said period or issue of letter of acceptance 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, if the said earnest money as aforesaid, Further the tenderer shall not be allowed to participate in the retendering process of the work.
	11. The contractor whose bid is accepted will be required to furnish performance guarantee of 5% (Five Percent) of the bid amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at call receipt of any scheduled bank /Banker's cheque of any scheduled bank/ Demand Draft of any scheduled bank/ Pay Order of any Scheduled Bank of any Scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee.	**11.** The contractor whose bid is accepted will be required to furnish performance guarantee of 5% (Five Percent) of the bid amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at call receipt of any scheduled bank /Banker's cheque of any scheduled bank/ Demand Draft of any scheduled bank/ Pay Order of any Scheduled Bank of any Scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. **The Contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/ registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board and Programme Chart (Time and Progress) Within the period specified in schedule in Schedule F.**

	No Provision	**No Running Account Bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, Whatever applicable are submitted by the contractor to the Engineer-in-Charge.**
	The contractor shall obtain a valid license under the Contract Labour (R&A) Act, 1970 and the Contract Labour (Regulation and Abolition) Central Rules, 1971 before the commencement of the work, and continue to have a valid license until completion of the work.	The contractor shall obtain a valid license under the Contract Labour (R&A) Act, 1970 and the Contract Labour (Regulation and Abolition) Central Rules, 1971 before the commencement of the work, and continue to have a valid license until completion of the work. **The contractor shall also comply with provisions of the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979.**
	(i)Time allowed for submission of performance Guarantee from the date of issue of letter of acceptance…….days.	(i)Time allowed for submission of performance Guarantee , **Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, 'ESIC and BOCW Wefare Board or proof of applying thereof** from the date of issue of letter of acceptance……..days.
	No Provision	**Whether Clause 7A Shall be Applicable Yes**
	14. The Tender of the work shall remain open for acceptance for a period of ninety (90) days from the date of opening of tenders / ninety days from the date of opening of financial bid in case Tenders are invited on 2/3 envelope system (strike out as case may be) if any Tenderer withdraws his tender before the said period or issue of letter of acceptance of acceptance, whichever is earlier or makes any modifications in the terms and conditions of the tender which are not acceptable to th department, then the Government shall, without prejudice to any other right or remedy, if the said earnest money as aforesaid, Further the tenderer shall not be allowed to participate in the retendering process of the work.	**CPWD-6** **14.**The Tender of the work shall remain open for acceptance for a period of ninety (90) days from the date of opening of tenders / **Ninety days from the date of opening of Technical bid in case Tenders are invited on 2 envelope system / 120 days from the date of opening of Technical bids bids in case tenders are invited for specialized works on 3 envelope system** (strike out as case may be) if any Tenderer withdraws his tender before the said period or issue of letter of acceptance 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, if the said earnest money as aforesaid, Further the tenderer shall not be allowed to participate in the retendering process of the work.
	15.CONDITION OF CONTRACT No provision	**CONDITION OF CONTRACT** 2 (xvi) **GST shall mean Goods and Service Tax- Central, State and Inter State.**
	IITD-6 **General Rules & Directions**	**IITD-6** **General Rules & Directions**

	15. Sales-tax/VAT (expect service tax), purchase tax, turnover tax any other tax applicable in respect of this contract shall be payable by the contractor and Government will not entertain any claim whatsoever in respect of service tax same shall be paid by the contractor to the concerned department on demand and it will be reimbursed to him by the engineer-in-charge after satisfying that it has been actually and genuinely paid by the contractor.	**15.** GST or any other tax applicable in respect of **input procured by the contractor for** this contract shall be payble by the Contractor and Government will not entertain any claim whatsoever in respect of the same, However, **component of GST at time of supply of service (as provided in CGST Act 2017) provided by the contract shall be varied if different from that applicable on the last date of receipt of tender including, extension if any.**
	CLAUSE 37 **(i)** Sales Tax. Vat (except Service Tax), Building and other Construction Workers Cess or any other tax or Cess in respect of this contract shall be payable by the contractor and Government shall not entertain any claim whatsoever in this respect. However, in respect of service tax. same shall be paid the contractor to the concerned department on demand and it will be reimbursed to him by the Engineer-i-charge after satisfying that it has been actually and genuinely paid by the contractor.	**CLAUSE- 37** **(i) GST,** Building and other construction workers **welfare** Cess or any other tax, **Levy** or cess in respect of **input for or output by** this contract shall be payable by the contractor and Government shall not entertain any claim whatsoever in this respect **except as provided under clause 38.**
	CLAUSE-38 **(i)** All tendered rates, shall be inclusive of all taxes and levies (except Service Tax) payable under respective statutes. However, if any further tax or levy or cess is imposed by the statute. after the last stipulated date for the receipt of tender including extensions if any and the contractor thereupon necessarily and properly pays such taxes/levies/cess, the contractor shall be reimbursed the amount so paid, provided such payments, if any, is not, in the opinion of the Superintending Engineer whose decision shall be final and binding on the contractor) attributable to delay in execution of work within the control of the contractor.	**CLAUSE-38** **(i) All tendered rates shall be inclusive of any tax, levy or cess applicable on last stipulated date of receipt of tender including extension if any. No adjustment i.e, increase or decrease shall be made for any variation in the rate of GST, Building and Other Construction Workers Welfare Cess or any tax, levy or cess applicable on inputs. However, effect of variation in rates of GST or Building and Other Construction workers welfare Cess or imposition or repeal of any other tax, levy or cess applicable on output of the works contract shall be adjusted on either side, increase or decrease. Provided for Building and other Construction Workers Welfare Cess or any tax (other than GST), levy or cess varied or imposed after the last date of receipt of tender including extension if any, any increase shall be reimbursed to the contractor only if the contractor necessarily and properly pays such increased amount of taxes/levies/cess. Provided further that such adjustment including GST shall not be made in the extended period of contract for which the contractor alone in responsible for delay as determined by authority for extension of time under Clause 5 in Schedule F.**

BID SUBMISSION

ONLINE BID SUBMISSION

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

Envelope – 1 (Following documents to be provided as single PDF file)			
Sl. No.	**Documents**	**Content**	**File Types**
1.	Technical Bid	Organization Declaration Sheet as per Annexure - I	.PDF
2.		Self Attested Certificate of work experience	.PDF
3.		Certificate of Registration of GST and acknowledgment of up to date field return of GST.	.PDF
4.		Affidavit as per NIT condition 1.2.2 of IITD-6 on stamp paper	.PDF
5.		Acceptance to execute integrity pact	.PDF
6.		IITD 7/8 duly signed by the bidder	.PDF
7.		EPFO & ESIC Registration proof	. .PDF
8.		Undertaking as per "sr. no. 23" page no. 6 on firm's letter head if the scan copy of EMD uploaded	.PDF
9.		Any other document as specified in the NIT	.PDF
10.		Self Attested Copy of Enlistment Order of appropriate Category	.PDF
11.		Proof of submission of Tender Fees UTR No.	PDF
Envelope – 2			
Sl. No.	TYPES	Content	
1.	Financial Bid	Price bid should be submitted in BOQ format.	.Xls

SCHEDULE OF QUANTITY

Name of work:-Construction of solid waste segregation centre at south end road at IIT Delhi.

Itam no.	Description	Quantity	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, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
1.1	All kinds of soil.	36.8	CUM		
2	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :				
2.1	All kinds of soil.				
2.1.1	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	273	meter		
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 m and lift upto 1.5 m	36.8	Cum		
4	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete	244.95	cum		
5	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	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	15.55	cum		
5.2	"1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).	9.4	cum		
5.3	1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	3.04	cum		
6	Centering and shuttering including strutting, propping etc. and removal of form work for :				
6.1	Foundations, footings, bases for columns	129.6	sqm		
7	Providing and laying in position ready mixed plain cement concrete, with cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge."Note : Excess/less cement used than specified in this item is payable/ recoverable separately				
7.1	All works upto plinth level				
7.1.1	M-15 grade plain cement concrete (cement content considered @ 240 kg/cum)	108.75	cum		
7.1.2	M-10 grade plain cement concrete (cement content considered @ 220 kg/cum)	163.3	cum		
8	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
8.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	2	cum		
9	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 :				
9.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	57.89	cum		

10	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
10.1	Cement mortar 1:4 (1 cement :4 coarse sand)	31.06	sqm		
11	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
11.1	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	3.36	sqm		
12	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete :				
12.1	300x16 mm	2	each		
13	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete				
13.1	250x10 mm	4	each		
14	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
14.1	125mm	4	each		
15	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. k	1200	kg		
16	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.				
16.1	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	41.3	kg		

17	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
17.1	Hot finished welded type tubes	12373.58	kg		
18	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
18.1	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	4740	kg		
19	52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	350.5	sqm		
20	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete	13.65	sqm		
21	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigments etc., complete.	25.74	sqm		

22	Providing sand stone slab for roofing and laying them in cement mortar 1 : 4 (1 cement : 4 coarse sand) over wooden karries or R.C.C. battens or structural steel sections (Karries or battens or structural steel sections to be paid separately), including pointing the ceiling joints with cement mortar 1:3 (1 cement : 3 fine sand) complete :				
22.1	red sand stone slab				
22.1.1	40 to 50 mm thick	3.24	sqm		
23	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes				
23.1	110 mm diameter	60	metre		
24	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.				
24.1	Bend 87.5°				
24.1.1	110 mm bend	12	each		
25	shoe (plain)				
25.1	110mm shoe	12	each		
26	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.				
26.1	110 mm	24	each		

27	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	620	sqm		
28	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :				
28.1	Ridges plain (500 - 600mm)	93	metre		
29	Gutter .(600 mm over all girth)	186	metre		
30	12 mm cement plaster of mix :				
30.1	1:6 (1 cement: 6 fine sand)	335.57	sqm		
31	15 mm cement plaster on the rough side of single or half brick wall of mix :				
31.1	1:6 (1 cement: 6 fine sand)	114.03	sqm		
32	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix :				
32.1	1:4 (1 cement: 4 fine sand)	165.24	sqm		
33	White washing with lime to give an even shade :				
33.1	New work (three or more coats)	1846.34	sqm		
34	Applying priming coat:				
34.1	With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	8.07	sqm		
35	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
35.1	Two or more coats on new work	1137.06	sqm		

36	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
36.1	In cement mortar	3.25	cum		
37	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	60	cum		
38	Providing and laying 75 mm thick compacted bed of dry brick aggregate of 40 mm thick nominal size including spreading, well ramming, consolidating and grouting with jamuna sand, including finishing smooth etc. complete as per direction of Engineer-in-charge.	22.5	sqm		
39	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :				
39.1	W.C. pan with ISI marked white solid plastic seat and lid	1	each		
40	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
40.1	White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap	1	each		
41	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
41.1	Flexible pipe				
41.1.1	32 mm dia	1	each		
42	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	1	each		
43	Providing and fixing soil, waste and vent pipes :				

43.1	100 mm dia				
43.1.1	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	3.9	metre		
44	75 mm diameter :				
44.1	Centrifugally cast (spun) iron socketed pipe as per IS: 3989	3.6	metre		
45	Providing and fixing plain bend of required degree.				
45.1	100 mm dia				
45.1.1	Sand cast iron S&S as per IS : 3989	1	each		
46	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter :				
46.1	100 mm	2	each		
46.2	75mm	3	each		
47	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :				
47.1	100 mm inlet and 75 mm outlet				
47.1.1	Sand cast iron S&S as per IS - 3989	2	each		
48	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.				
48.1	20 mm dia nominal bore	3.5	Mtr.		
49	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosivebitumastic paint, cutting chases and making good the wall :				
49.1	15 mm dia nominal bore	4.8	metre		
50	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc				
50.1	20 mm dia nominal bore	54	metre		
51	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
51.1	15 mm nominal bore	1	each		
52	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
52.1	15 mm nominal bore	3	each		
53	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
53.1	20 mm nominal bore	1	each		

54	Providing and fixing uplasticised PVC connection pipe with brass unions :				
54.1	45 cm length				
54.1.1	15 mm nominal bore	2	each		
55	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.				
55.1	Circular tank	500	per litre		
56	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	1	each		
57	Cutting holes up to 30x30 cm in walls including making good the same:				
57.1	With common burnt clay F.P.S. (non modular) bricks	6	each		
58	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :				
58.1	100 mm diameter	30	metre		
59	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design :				
59.1	100 mm diameter S.W. pipe	30	metre		
60	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:				
60.1	100x100 mm size P type				
60.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1	Each		
61	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :				

61.1	150 mm dia. R.C.C. pipe	273	metre		
62	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				
62.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :				
62.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2	each		
63	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 :				
63.1	For pipes 100 to 250 mm diameter	2	each		
64	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design :				
64.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	17	each		

65	Providing and fixing hard drawn steel wire fabric 75x25 mm mesh of weight not less than 7.75 Kg per sqm to window frames etc. and priming coat with approved steel primer all complete. (Priming &paining to be paid for sepretely)	5061.37	Kg.		
66	Providing and fixing 100 mm C.P. grating with or without hole for nahani trap/floor trap.	2	Each		
	TOTAL				

C----NIL I----NIL O-----NIL D'Man/AEE(P) AEE(C)E.E. (P)

C----NIL I----NIL O-----NIL D'Man/AEE(P) AEE(C)E.E. (P)