

INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI

Guwahati - 781 039, Assam

Phone: (0361) 2582061, 2692771 Fax : (0361) 2692771, 2690762



TENDER DOCUMENT

IITG/IPM/NIT/FY23-24/16 Dtd- 13.06.2023

NAME OF WORK

**Repairing and providing of plinth protection and kitchen
outside Drain at Dhansiri Hostel in IITG Campus**



INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI
Guwahati - 781 039, Assam
Phone : (0361) 2582061, 2692771 Fax : (0361) 2692771 , 2690762

NOTICE INVITING TENDER

Tender No- IITG/IPM/NIT/FY23-24/16, Dtd- 13.06.2023

Sealed tenders are invited from experienced & competent contractors for following works at IITG campus:

Name of works	Repairing and providing of plinth protection and kitchen outside Drain at Dhansiri Hostel in IITG Campus.
Estimated Cost	₹ 4,25,035.00
Earnest Money	₹ 8,500.00 (Rupees eight thousand five hundred) only
Date of availability of tender for download in IITG website www.iitg.ac.in	22.06.2023 to 28.06.2023
Last Date & time of submission of tender	30.06.2023 up to 2.30 PM
Time of Completion	30 (Thirty) days
Cost of Tender Paper	₹ 1,000.00 (Rupees one thousand) only
Tender Opening Date & Time	30.06.2023 at 3.30 PM

Qualifying criteria for participation in the Tender:

- (1) The contractor/ firm should have valid Registration in CPWD, BSNL, APWD, Railways, MES, Central PSUs & other Govt. / Semi Govt. Dept. / Govt. Autonomous Body.
- (2) Minimum Annual Turnover : Having average annual turn-over not less than **₹ 2.13 lakhs** during the immediate last 3(three) audited financial year from construction works only
- (3) Experience in Work : Shall have experience in execution of civil work consisting RCC & Plumbing work completed satisfactorily during the last seven years as follows:
 One work of value not less than **₹ 3.40 lakh** against a single work order OR two works of each value not less than **₹ 2.55 lakh** each against two separate work order OR three works of each value not less than **₹ 1.70 lakh** each against three separate work orders in Govt./ Semi Govt. department / Autonomous body during last seven years.
(Work order with BOQ and completion certificate must be submitted along with the tender)
- (4) Time of Completion : 30 (Thirty) days

Note: Financial turn over and values of completed works of previous years shall be given weightage of 7% per year and part thereof to bring them to the present price level.

Tender papers shall be downloaded from the website www.iitg.ac.in from 22.06.2023 to 28.06.2023 & to be submitted at IPM office on or before **30.06.2023 up to 2.30 PM**

1. The intending bidder must read the terms and conditions carefully. He should submit his bid only if he considers himself eligible and he is in possession of all the documents required.
2. Tender cost and earnest money shall be deposited along with the tender in the form of Demand draft/ Banker's cheque in favour of 'IIT Guwahati' payable at 'Guwahati'.
3. Information and Instructions for bidders posted on website shall form part of bid document.
4. IIT Guwahati reserves the right to not consider tender papers of any contractor engaged in one or more ongoing works in the IITG Campus, if in the opinion of the Institute, the progress of the ongoing works of the contractor has not been found satisfactory and they will not be able to handle a new work till the completion of their ongoing work(s). IITG also reserves the right to accept or reject any or all of the tenders without assigning any reason thereof.
5. The rates include cost of all operations and all inputs of labour, material, T&P, scaffolding, wastages, watch and ward, other inputs, all incidental charges all taxes, cess, duties, levies, (Including GST) etc. required for execution of the work.
6. The downloading & submission of tender paper to by a contractor does not automatically mean the tenderer is considered qualified for the price part of the bid.
7. The acceptance of tender will rest with the authority of IIT Guwahati who does not bind itself to accept the lowest tender and reserves itself the right to reject any or all the tenders received without assigning any reason thereof. The work may be allotted in part or whole at the discretion of competent authority of the Institute.
8. For all clarifications regarding site conditions, items of works or any other related matters to the tender, HoS, Maintenance (IPM Section) may be contacted during office hours on all working days or through email hos_maint@iitg.ac.in
9. In case, the day of opening of the tender happens to be a holiday on account of Govt. notification and tender cannot be opened; the tender shall be opened on the next working day at the same time.
10. Only the authorized person(s) to attend tender opening. All the bidders shall send their representative(s) to attend tender opening with proper authorization during opening of the tenders.
11. **The BOQ part of the tender shall be submitted in a separate sealed envelope along with the tender.**
12. In case of two bid system, Part-A tenders shall be opened on the date and time as mentioned above. But price bids of only of those tenders techno commercial bids (Part-A) are found acceptable shall be opened on a later date. Prior notification shall be given to the all tenderer who qualify for opening of the PRICE BIDS to enable them to attend the opening of the Price bids, Part-B of tender of those tenderers who do not qualify for opening of the Part-B shall be returned.

Thanking You,

Yours faithfully,

**Sd/-
HoS, Maintenance,(IPM)**

INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI

Submission of Tender

From :.....

To
**The Dean(IPM),
 Indian Institute of Technology Guwahati
 GUWAHATI – 781 039**

1. I/We hereby tender for execution of the work **“Repairing and providing of plinth protection and kitchen outside Drain at Dhansiri Hostel in IITG Campus”** as per tender document within the time schedule mentioned therein and accepted by me/us, at the rates quoted by me/us for the whole work in accordance with terms and conditions, specifications, drawings, as detailed in the tender document. It has been explained to me/ us that the time stipulated for job and completion of works in all respects and in different stages mentioned in the “Time schedule” of completion of work and signed and accepted by me/us is the essence of the Contract.
2. It has been explained to me/ us that the time stipulated for job and completion of works in all respects and in different stages mentioned in the “Time schedule” of completion of work and signed and accepted by me/us is the essence of the Contract. I/We agree that in the case of failure on my/ our part to strictly observe the time of completion mentioned for work or any of them and to the final completion of works in all respects according to the schedule set out in the tender, I/We shall pay compensation to the Owners as per provision and stipulations contained in the relevant clause of Contract and I/We agree to the recovery being made as specified therein. In exceptional circumstances extension of time which shall always be in writing may, however, be granted by the Engineer-in-Charge at his entire discretion for some items of work, and I/We agree that such extension of time will not be counted for the extension of completion dates stipulated for work and for the final completion of works as stipulated in the said “Time Schedule” of Completion of work.
3. I/We agree and accept the terms and conditions laid down in the memorandum below in this respect.

MEMORANDUM

- | | |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (a) General description of work | “Repairing and providing of plinth protection and kitchen outside Drain at Dhansiri Hostel in IITG Campus” |
| (b) Earnest Money | Earnest money of ₹ 8,500.00 shall be deposited along with the tender in the form of Demand Draft or Banker’s Cheque only in favour of “IIT Guwahati” payable at ‘Guwahati’ |
| (d) Time allowed for starting of work | Twenty-five (25) days from the date of issue of letter of intent / acceptance of the tender. |

1. Should this tender be accepted I /We hereby agree to abide by and fulfill all terms and conditions referred to above and in default thereof, to forfeit and pay to the Owner or its successors or its authorized nominees such sums of money as are stipulated in conditions contained in Notice Inviting Tender and other tender documents.
2. I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in IIT Guwahati in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Performance Guarantee.
3. If I/We fail to commence the work specified in the memorandum herein above, or I/We fail to deposit the amount of Performance guarantee specified in the Memorandum, I/We agree that the said Owner and its successors without prejudice to any other right or remedy be at liberty to cancel the notice of acceptance of tender if I/We fail to deposit the Performance guarantee as aforesaid or to execute an agreement or to start work as stipulated in the tender documents.
4. I/we hereby certify that all the statement made and information supplied are true and correct.
5. I/we have furnished all information and details necessary for eligibility and have no further pertinent information to supply.
6. I/we submit the following certificates in support of our suitability, technical knowledge and capability for having successfully completed the following eligible similar works:

Sl. No.	Name of work	Certificate from
1		
2		
3		

CERTIFICATE:

It is certified that the information given in the tender are correct. It is also certified that I/we shall be liable to be debarred, disqualified in case any information furnished by me/us found to be incorrect.

Date.....day of.....2023

Witness:

Name in Block Letters:

Address:

Signature of Tenderer(s), with the seal of Firm

**PROFORMA FOR ACKNOWLEDGEMENT LETTER OF BIDDING DOCUMENT
(TO BE SUBMITTED IN BIDDER'S OWN LETTER HEAD)**

Ref no.

Date:

To

The HoS, Maintenance,
IIT Guwahati
Guwahati-781039, Assam

Sub: Repairing and providing of plinth protection and kitchen outside Drain at Dhansiri Hostel in IITG Campus

Ref: NIT No. IITG/IPM/NIT/FY23-24/16, Dtd- 13.06.2023

Dear Sir,

We hereby acknowledge receipt of a complete set of bidding document along with all enclosures for the subject work for preparation and submission of the Bid.

We undertake that the contents of the above Bidding document shall be kept confidential, further that specifications and documents shall not be transferred, and that the said documents are to be used only for the purpose for which they are intended.

We intend to bid as requested for the subject works and furnish following details with respect to our quoting office:

- (i) POSTAL ADDRESS :
- (ii) TELEPHONE NUMBER :
- (iii) MOBILE NO. :
- (iv) TELEFAX NUMBER :
- (v) CONTACT PERSON :
- (vi) DESIGNATION :
- (vii) EMAIL ADDRESS :
- (viii) REGISTERED OFFICE :

BIDDER'S NAME :

SIGNATURE:

NAME :

DESIGNATION :

DATE :

**INDIAN INSTITUTE OF TECHNOLOGY
GUWAHATI, ASSAM**

Special Terms & Conditions



NAME OF THE WORK

**Repairing and providing of plinth protection and
kitchen outside Drain at Dhansiri Hostel in IITG
Campus**

Special Terms & Conditions

1. The present scope of work under this contract shall include “Repairing and providing of plinth protection and kitchen outside Drain at Dhansiri Hostel in IITG Campus.”
2. The scope of this contract shall include Excavation, Brick Soiling, Brick Work, RCC work, Plastering and Plumbing Work etc. The Contractor shall provide all necessary materials, equipment, labour etc. for the execution and maintenance of the work till completion unless otherwise mentioned in this tender document. All materials required for the work shall be as per technical specifications and approved by Engineer-in-Charge prior to procurement and use.
3. The materials required for the works shall be as per approved make as mentioned in the tender at **Annexure -A**.
4. Rates shall be quoted in the Bill of Quantity (BOQ) furnished in figures and in words. If there is any variation between the rates quoted in figures and rates quoted in words, the rates quoted in words shall be considered.
5. The rates shall be firm up to the completion of work. No price escalation will be paid on any account.
6. The work shall be completed within **30 (thirty) days** from the date of handing of site.
7. The rate shall be inclusive of all taxes including GST @ 18% (eighteen). All other taxes including forest Royalty as applicable to the work as per state/central government shall be deducted from the bills. Loading, unloading and transportation etc. of all the materials to work site at IITG campus, Guwahati-39 shall be inclusive of quoted rate.
8. All the pages of the tender document shall be signed and dated at the lower right hand corner by the tenderer. If the tender is signed by a person holding power of attorney, power of attorney authorizing him to sign on behalf of the tenderer should be submitted along with the tender.
9. The documents submitted along with the application for tender in respect of Experience, registration will be verified by the Institute with respect to that stated in the NIT for qualifying for the tender. If after verification any such data/ information are not found true or has attempted to conceal any unfavorable data/ information, his/her tender shall be summarily rejected.
10. The owner reserves the right to take inputs regarding performance of a bidder on any similar work (on-going or completed) from a client whether disclosed in the tender or not. If any such report from the client is found to be unsatisfactory, the tender is liable to be rejected.
11. Any tender submitted without the qualifying documents mentioned in the relevant clause of NIT, it shall be considered as incomplete tender and the tender will be rejected for which no communication will be made
12. In case the work involves electrical works, the contractor must have electrical contract license and if the contractor does not have such license they should submit and undertaking to engage a party which fulfills the qualifying criteria. In such cases, Electrical License with his acceptance to take up the work shall be submitted.
13. The contractor shall arrange all the plants, equipment, machineries etc. required for the works for which no extra charges will be paid.
14. The Contractor shall provide all necessary materials, equipment, labour etc. for the execution and maintenance of the work till completion unless otherwise mentioned in this tender document. All materials required for the work shall be as per technical specifications and approved by Engineer-in-Charge prior to procurement and use.
15. The contractor will arrange for water and electricity at his own. However, the Institute may provide electricity on the request of the contractor on payment basis under the terms and conditions fixed by the institute.
16. Care shall be taken by the contractor to avoid damage to any part of the building or its finishing. He/they shall be responsible for repairing all damages and resorting the same to their original finish at his own cost. He / they shall also remove at his own cost all unwanted wastage and materials arising out of his work from the site.
17. Any abnormal rate quoted in the tender will summarily be rejected for which no communication will be made.
18. Earnest money of ₹ **8,500.00** shall be deposited in the form of deposited in the form of **Demand draft/ Banker’s cheque** or through online i.e. Debit Card/ Credit Card/ Net Banking/ NEFT/RTGS in favour of ‘IIT Guwahati’ payable at ‘Guwahati

19. **Payment of Bills:** The successful bidder if desire may submit their Running Account Bill as per progress of work and actual execution. Site Engineer will prepare RA Bill for release of payment subject to his satisfaction in progress of work.
20. After successful completion of work, as per specification and requirement, the contractor must submit their Final Bill including detail measurement along with Forest Department or other department clearance if necessary within one month from the date of completion of work. On submission, the site engineer will prepare the bill subject to his satisfaction and put up for payment within fifteen days.
21. **Compensation for Delay**
If the contractor fails to maintain the required progress or to complete the work and clear the site on or before the contract or justified extended date of completion as well as any extension granted in the event of any deviations resulting in additional cost over the tendered value. The contractor without prejudice to any other right or remedy available under the law to IITG on account of such breach, pay as compensation the amount calculated at the rates stipulated below -on the amount of accepted tendered value of the work for every completed day/month (as determined) that the progress remains below that specified or that the work remains incomplete.
Compensation for delay of work: With maximum rate @ 1% (one percent) / month of delay to be computed on per day basis based on quantum of damage suffer due to stated delay on the part of Contractor.
Provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 10 % (ten percent) of the accepted tendered value of work or of the accepted tendered value. In case the delay is beyond the delay with compensation, the work will be done by the Institute at the risk and cost of the contractor and the contractor will be debarred from allotment / participation in the tenders for at least 2(two) years..
22. All legal disputes will be subjected to jurisdiction of Gauhati High Court only.
23. All Specification of the work will be followed as per CPWD manuals or manufacturer specification.
24. In case the lowest bidder is not able to complete the work, the EMD will be forfeited and the contractor will be debarred for 2 years from participating in the tenders floated by the Institute after issuing a show case notice.
25. In such case, the work will then be offered to the next lowest bidder (L2) at L2's rate and so on.
26. Lowest quotes above 10% of the estimated cost will not be accepted in any case and fresh tender will be invited.
27. All other terms & conditions shall be as per provision of General Conditions of Contract followed by the institute.

Sd/-
HoS, Maintenance (IPM)

Date:

To,

The HoS, Maintenance,
Indian Institute of Technology Guwahati
Guwahati – 39

Sub: Submission of tender for the “Repairing and providing of plinth protection and kitchen outside Drain at Dhansiri Hostel in IITG Campus”.

Sir,

I/we do hereby submit our tender for “Repairing and providing of plinth protection and kitchen outside Drain at Dhansiri Hostel in IITG Campus”, as per Notice Inviting Tender No IITG/IPM/NIT/FY23-24/16, Dtd- 13.06.2023. The rates quoted by me / us are for the whole work in accordance with Notice Inviting Tender and Terms & Conditions.

Name of Firm/ Contractor :

Address for correspondence :

Signature of Contractor with seal :

Date :

Contact Phone No –

email id :

Enclosure :

- 1.
- 2.
- 3.
- 4.
- 5.

Seal & Signature of Contractor

FORM "A"**FINANCIAL INFORMATION**

Financial Analysis – Details to be furnished duly supported by figures in balance sheet/ profit & loss account for the last five years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).

Years

Year	2018-19	2019-20	2020-21	2021-22
Gross Annual turnover on construction works ` in lakhs				
Profit / Loss.				

* The bidder should give information strictly in above format.

- I Financial arrangements for carrying out the proposed work.
- II. Solvency Certificate from Bankers of the bidder in the prescribed Form "B".

Signature of Chartered Accountant with Seal

Signature of Bidder(s).

FORM "B"

FORM OF BANKERS' CERTIFICATE FROM A SCHEDULED BANK

This is to certify that to the best of our knowledge and information that
M/s./Sh

.....having marginally noted address,
.....

.....a customer
of our bank are/is respectable and can be treated as good for any engagement
upto a limit of

Rs.....(Rupees.....

.....

.....). This certificate is issued
without any guarantee or responsibility on the bank or any of the officers.

(Signature) For the Bank

NOTE

- (1) Bankers certificates should be on letter head of the Bank, addressed to tendering authority.
- (2) In case of partnership firm, certificate should include names of all partners as recorded with the Bank.
- (3) Solvency certificate should not be more than 6 months old.

FORM 'C'
DETAILS OF ELIGIBLE SIMILAR NATURE OF WORKS COMPLETED
DURING THE
LAST SEVEN YEARS ENDING PREVIOUS DAY OF LAST DATE OF
SUBMISSION OF TENDERS

S. No	Name of work/project and location	Owner of sponsoring organization	Cost of work	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation/arbitration cases pending /in progress with	Name and address /telephone number of officer	Whether the work was done on back to back basis
1	2	3	4	5	6	7	8	9	10

* Indicate gross amount claimed and amount awarded by the Arbitrator.

Signature of Bidder(s)

FORM 'D'

PERFORMANCE REPORT OF WORKS REFERRED TO IN FORMS "C"

1. Name of work/project & location
2. Agreement no.
3. Estimated cost
4. (i) Tendered cost
(ii) Value of work done
5. Date of start
6. Date of completion
 - (i) Stipulated date of completion
 - (ii) Actual date of completion
7. (a) Whether case of levy of compensation for delay has been decided or not Yes/No

(b) If decided, amount of compensation levied for delayed completion, if any
8. Performance Report

(1)	Quality of work	Outstanding/Very
	Good/Good/Poor (2)	Financial soundness
	Outstanding/Very Good/Good/Poor (3)	Technical Proficiency
	Outstanding/Very Good/Good/Poor (4)	Resourcefulness
	Outstanding/Very Good/Good/Poor (5)	General Behaviour
	Outstanding/Very Good/Good/Poor	

Dated:

Executive Engineer or Equivalent

Note: If Name of Work is not clearly defining scope of work as specified in the definition of similar work, bidders are advised to upload copy of Agreement/ final bill or any other relevant document in support of their proposed completed work conforming to the definition of similar work.

FORM “E”
STRUCTURE & ORGANISATION

1. Name & address of the bidder
2. Telephone no./Telex no./Fax no.
3. Legal status of the bidder (attach copies of original document defining the legal status)
 - (a) An Individual
 - (b) A proprietary firm
 - (c) A firm in partnership
 - (d) A limited company or Corporation
4. Particulars of registration with various Government Bodies (attach attested photocopy)

Organisation/Place of registration
Registration No.

- 1.
- 2.
- 3.
5. Names and titles of Directors & Officers with designation to be concerned with this work.
6. Designation of individuals authorized to act for the organization
7. Has the bidder, or any constituent partner in case of partnership firm Limited Company/Joint Venture, ever been convicted by the court of law? If so, give details.
8. In which field of Civil Engineering construction the bidder has specialization and interest?
9. Any other information considered necessary but not included above.

Signature of Bidder(s)

FORM “F”**UNDERTAKING**

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

Signature of the Bidder(s) or an
authorized Officer of the firm with stamp

FORM “G”**Undertaking regarding obtaining GST registration Certificate of The State, in which work is to be taken up**

If work is awarded to me, I/we shall obtain GST registration Certificate of the State, in which work is to be taken up within one month from the date of receipt of award letter or before release of any payment by IITG, whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on a/c of the work executed and/or for any action taken by IITG or GST department in this regard.

Signature of Bidder(s) or an authorized
Officer of the firm with stamp

FORM "H"

Compliance to requirement of tender documents:

We confirm that our tender complies with the total techno-commercial requirements of bidding document without any deviation.

Signature of Company/ Contractor

FORM "J"**TENDER VALIDITY**

Tender shall remain valid for acceptance for a period of 120 (One hundred twenty) days from the date of opening of the tender. The tenderer shall not be entitled during the said period to revoke or cancel his tender or to vary the tender given or any term thereof. In case of tenderer revoking or cancelling his tender or varying any term in regard thereof, the OWNER shall reject the tender. Tender shall be revalidated for extended period as required by Owner in writing.

Signature of Company/ Contractor

EVALUATION PROCEDURE FOR TECHNICAL BID TO QUALIFY FOR OPENING OF PRICE BID

TENDER TECHNICAL QUALIFICATION CRITERIA

Sl. No.	Qualifying Criteria	DOCUMENTS REQUIRED FROM THE BIDDER
1	Total tender document including addenda, corrigendum etc.	Complete set of the tender document downloaded duly filled in and signed by the tenderer as prescribed in different clauses of the tender document with all addenda/corrigenda issued duly signed
2	Certificate of registration with Govt. / Semi Govt. Dept. / Autonomous Body.	The contractor/ firm should have valid Registration in CPWD, BSNL, APWD, Railways, MES, Central PSUs & other Govt. / Semi Govt. Dept. / Govt. Autonomous Body. Valid registration certificate
3	Cost of tender paper of ₹ 1,000.00	Shall be deposited along with the tender in the form of Demand draft/ Banker's cheque or through online i.e. Debit Card/ Credit Card/ Net Banking/ NEFT/RTGS in favour of 'IIT Guwahati' payable at 'Guwahati'
4	Earnest Money of ₹ 8,500.00	Shall be deposited along with the tender in the form of (Demand draft/ Banker's cheque or through online i.e. Debit Card/ Credit Card/ Net Banking/ NEFT/RTGS in favour of 'IIT Guwahati' payable at 'Guwahati')
5	Work experience	Satisfactory completion certificates supported by respective Work order / detailed BOQ/ final bill etc. for works executed in Govt./ Semi Govt. Department/ Govt. Autonomous Body.
	Shall have experience in execution of similar nature of civil works consisting RCC Works completed including satisfactorily during the last seven years as follows	
	(i) One work of value not less than ₹ 3.40 lakh against a single work order OR two works of each value not less than ₹ 2.55 lakh each against two separate work order OR three works of each value not less than ₹ 1.70 lakh each against three separate work orders in Govt./ Semi Govt. department / Autonomous body.	
6	Having average annual turn-over not less than ₹ 2.13 lakhs during the immediate last 3(three) audited financial year from construction works only	Certificate of Financial Turnover for the last three years from Chartered Accountant or Audited Balance sheet for the last years
7	GST Registration Certificate of the State in which the work is to be taken up, if already obtained by the bidder. If the bidder has not obtained GST registration in the State in which the work is to be taken up, Or as required by GST authorities then in such a case bidder shall furnish undertaking as given in Form-'G'	GST registration certificate should be submitted.
8	PAN no. of the Company/ Authorized Dealer.	Copy of PAN Card

Annexure – A

LIST OF APPROVED VENDORS & SPECIFICATIONS (CIVIL)			
Sl. No.	Item of Work	Specifications	BRAND /CODE (Civil)
1	Cement	PPC	ACC, Ultratech, Ambuja , Dalmia , J.K. Cement, Century Cement, Jaypee Cement.
2	Reinforcement	Steel reinforcement Fe 500 super ductile	SAIL, Tata Steel, Rashtriya Ispat Nigam Ltd. (RINL), Shyam Steel, Jindal Steel.
3.	PVC Pipe	110mm, 4kgf/cm ² or 6kgf/cm ²	Prince, Supreme, Ashirwad
4	Brick	Bricks shall be the best quality locally available, well burnt but not over burnt, free from salt Peter action and generally conform to specification 75, crushing strength shall not be less than 75 kg/cm ² . Bricks shall not absorb water more than 20% of their own dry weight after 24 hours immersion in cold water, rectangular faces with parallel sides, and sharp straight and right-angled edge, have a fine compact and uniform texture. The bricks shall be free from crack, chips, flaws, stones or lumps of any kind and shall not show efflorescence either dry or subsequent to soaking in water. They shall not have any part unburnt.	Locally Available 1 st Class Brick

BILL OF QUANTITIES

BILL OF QUANTITIES						
Name of Work: "Repairing and providing of plinth protection and kitchen outside Drain at Dhansiri Hostel in IITG Campus".						
Item no.	Description of Items	Unit	Quantity	Rate in (₹)		Amount (₹)
				in figure	in words	
1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in- charge. All kinds of soil	Cum	26.25			
2	Providing flat brick soiling under foundation floor, plinth beam,, including placing with coarse and watering etc. complete as directed with brick class designatation-75 in cement mortar in proportion 1;4 including complete as specified and as directed.	Sqm,	143.70			
3	Half brick masonry with common burnt clay F.P.S. (non-modular) bricks of class designation 7.5 in foundations and plinth in cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm	87.50			
4	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix. 1:3 (1 cement: 3 fine sand)	Sqm	207.35			

5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	11.50			
6	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete	Sqm	26.25			
7	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in – charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Cum	1.65			
8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more	Kg	86.41			
9	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	0.41			

10	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	Cum	92.80			
11	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.110 mm diameter	Mtr	120.00			
				Total = (₹)		
				Rebate if any in.....%=		
				Total after rebate=		

Seal

(Signature of the tenderer)

