INDIAN INSTITUTE OF TECHNOLOGY Kharagpur
Kharagpur, West Bengal 721302

TENDER DOCUMENT

For

Diversion of Sewerage line for NCC Quarters 1 to 09.

NIT NO: IW/SS/NIT/2223/06

Tender Serial No. ________________________ Issued to:

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________
# Contents

1. NOTICE INVITING TENDER 2
   1.1. INTRODUCTION ........................................................................... 2
   1.2. PARTICULARS ........................................................................... 2
   1.3. ELIGIBILITY CRITERIA ................................................................. 3

2. INFORMATION TO BIDDERS ............................................................ 4
   2.1. SCOPE OF WORK ...................................................................... 4
   2.2. GENERAL INSTRUCTIONS ........................................................ 4
   2.3. SUBMISSION OF TENDER ........................................................... 5
   2.4. EVALUATION OF BIDS AND AWARD OF WORK ......................... 6

3. UNDERTAKING BY THE BIDDER ................................................... 7

Annexure(s) ....................................................................................... 8-10

4. Checklist for Documents to be uploaded on https://eprocure.gov.in/eprocure/app ........................................ 11

PRICE BID (SOQ) .................................................................................. 12
1. NOTICE INVITING TENDER

1.1. INTRODUCTION

Indian Institute of Technology (IIT) Kharagpur, hereinafter called IITKGP, invites sealed tenders from the eligible contractors for Diversion of Sewerage line for NCC Quarters 1 to 09.

Particulars of the project are as following.

<table>
<thead>
<tr>
<th>1. NIT Number</th>
<th>IWS/SS/NIT/2223/06</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Name of Work</td>
<td>Diversion of Sewerage line for NCC Quarters 1 to 09.</td>
</tr>
<tr>
<td>3. Location of Work</td>
<td>NCC Quarters aforesaid area, IIT Kharagpur.</td>
</tr>
<tr>
<td>4. Estimated Cost (including 18% GST)</td>
<td>Rs.3,94,919.00 (Rupees Three lakhs Ninety Four Thousand Nine Hundred and Nineteen only).</td>
</tr>
<tr>
<td>5. Earnest Money Deposit</td>
<td>Rs.7,900.00 (Rupees Seven Thousand and Nine Hundred only) (Not mandatory for bidders registered under MSE category)</td>
</tr>
<tr>
<td>6. Time Limit for execution</td>
<td>90 days from Date of Start.</td>
</tr>
<tr>
<td>7. Tender Basis and Mode</td>
<td>Two stage (Technical Bid &amp; Financial Bid)</td>
</tr>
<tr>
<td>8. Mode of Payment to IITKGP (EMD)</td>
<td>i) Original Demand Draft/Pay Order or copy of valid registration certificate under MSE category has to be submitted physically at the office of Sr. EE (C), 1st Floor Old Building, IIT Kharagpur, 721302 on or before the due date/extended date of submission of bid. &amp; Scanned copy of Demand Draft/Pay Order/Registration under MSE category has to be uploaded on <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> ii) Demand Draft/Pay order to be drawn in favour of IIT Kharagpur payable at Kharagpur.</td>
</tr>
<tr>
<td>9. Date, Time &amp; Venue of Pre-bid Meeting</td>
<td>17th August 2022, 03:00 pm, CCM Meeting Room, 1st Floor, Old Building, IIT Kharagpur, 721302</td>
</tr>
<tr>
<td>10. Closing Date &amp; Time for Receipt of bids</td>
<td>23rd August 2022 upto 15:00hrs</td>
</tr>
<tr>
<td>11. Date &amp; Time for Opening of Technical Bid</td>
<td>24th August 2022 at 15:30hrs</td>
</tr>
<tr>
<td>12. Date &amp; Time for Opening of Price Bid</td>
<td>Shall be intimated to eligible bidders subsequently.</td>
</tr>
<tr>
<td>13. Engineer-in-charge and contact details.</td>
<td>Mr. S.K. Biswas, Sr. Executive Engineer, Tel: 03222-82621, Email: <a href="mailto:skbiswas@adm.iitkgp.ac.in">skbiswas@adm.iitkgp.ac.in</a></td>
</tr>
<tr>
<td>14. Address for tender issue, submission and opening</td>
<td>Civil Construction and Maintenance Section, 1st Floor, Old Building, IIT Kharagpur, Kharagpur WB 721302</td>
</tr>
<tr>
<td>15. Website for full and updated information</td>
<td><a href="http://www1.iitkgp.ac.in/toppifies/tenders.php">http://www1.iitkgp.ac.in/toppifies/tenders.php</a>: <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a></td>
</tr>
<tr>
<td>16. Website for tender submission &amp; processing</td>
<td><a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a></td>
</tr>
<tr>
<td>17. Hard copy submission of Technical Bid Documents</td>
<td>Hard copy of the Technical Bid documents to be submitted at &quot;Civil Construction &amp; Maintenance Section, 1st Floor, Old Building, IIT Kharagpur, Kharagpur WB 721302&quot; on or before 31.08.2022</td>
</tr>
</tbody>
</table>
1.3. ELIGIBILITY CRITERIA

1.3.1. The bidder must be registered in appropriate class of works with Government organization like CPWD/ PWD/ MES or PSUs or those having experience in similar nature of works awarded by Government / Semi Government Organizations/ Government Funded Autonomous Organization.

1.3.2. The bidder must have done at least 1 (ONE) similar work of value of 80% of the estimated cost or 2 (TWO) similar works for projects each of value 60% of the estimated cost or 3 (THREE) similar work for projects each of value 40% of the estimated cost with Government/ Semi-government/PSU/ Government Funded Autonomous Organization during last 7 (seven) years preceding last date of the month of tender submission.

Note:

(i) The estimated cost is Rs. 3,94,919.00 (Rupees Three Lakhs Ninety Four Thousand Nine Hundred and Nineteen only).

(ii) 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 applications for tender.

(iii) Similar works shall mean: Sanitary works related to sewerage network.

1.3.3. The bidder must be registered with appropriate government authority as a bonafide business entity and must have GST registration certificate and Permanent Account Number of income tax.

1.3.4. The validity of the registrations and licenses should be valid as on the date of tender submission.

1.3.5. Average annual turnover of the bidder as per ITCC or profit & loss statement shall not be less than 30% of the estimated cost, not having incurred loss in more than two years, during last 5 years ending 31 Mar 2021.

On behalf of the Director, Indian Institute of Technology Kharagpur

Copy to:

1) Registrar
2) Chief System Manager
3) Chief Engineer, IIT Kharagpur
4) SE(Civil/E&M)
5) Senior Executive Engineer (E&M)
6) Executive (CCM/ E&M)
7) Engineer (Telephone)
8) Sr. Assistant Engineer (Sanitary Section)
9) Notice Board
10) Office file.
2. INFORMATION TO BIDDERS

2.1. SCOPE OF WORK

2.1.1. The IITKGP intends for Diversion of Sewerage line for NCC Quarters 1 to 09. The work consists of Sanitary works related to sewerage network.

2.1.2. Constraint: The job needs to be executed in the IIT Kharagpur Campus area without causing any disturbances to the normal functioning of the Institute work. Adequate/ safe barricading has to be ensured to segregate the working zone from public circulating area.

2.1.3. The vendor shall work out execution sequence and methodology so as to complete the work within the envisaged time and the estimated cost, duly handling the constraint mentioned above.

2.2. GENERAL INSTRUCTIONS

2.2.1. Bidding documents are to be obtained electronically through websites: http://www1.iitkgp.ac.in/tenders.php.

2.2.2. This bid document shall be read in conjunction with GCC (General Conditions of Contract) available on http://www1.iitkgp.ac.in/tenders.php.

2.2.3. The bidder shall visit and inspect the site and obtain all information on his own responsibility and at own cost, which may be necessary for the purpose of quoting and submitting the tender. No excuse or ignorance as to site conditions and local information shall be accepted after awarding of the contract. Access to the site will be granted by the Engineer-in-charge on all working days within working hours.

2.2.4. IITKGP shall not provide any space at site for labour hutsments.

2.2.5. All clarifications about the tender shall be sought by bidder on or before pre-bid meeting. The bidders may make suggestions which shall be considered during the Pre Bid Meeting. Intending bidder(s) may also send their queries or suggestion, if any, through e-mail to the Engineer-in-charge on skbiswas@adm.iitkgp.ac.in on or before 17th August 2022, 15.00hrs. No queries shall be entertained after notification of replies to noteworthy queries received till the date of pre-bid meeting.

2.2.6. Completion certificate issued by Competent Authority will only be considered as credential. If the Completion certificate issued by Competent Authority does not reflect the type of work, then Final bill /on account bills Schedule of Quantity of the qualifying works also to be attached along with the Completion certificates.

2.2.7. The bidding document (consisting of specifications, the schedule of quantities of various types of items to be executed, the set of terms and conditions of the contract and other documents / drawings, if any), Corrigenda, Clarifications to Pre-bid/other queries can be downloaded from the websites: http://www1.iitkgp.ac.in/tenders.php. Corrigenda, if any shall be published only on these websites. The institute shall not be responsible for any delay / difficulties / inaccessibility of downloading facility for any reason whatsoever.

2.2.8. All costs, charges & expenses that may be incurred in connection with the preparation of his tender shall be borne by him and the Institute accepts no liability whatsoever therefore.

2.2.9. Rates quoted by the bidders (in the uploaded Excel Template having form of contract as “Percentage”) shall be inclusive of GST (Goods and Services Tax - Central, State and Interstate) and all applicable taxes. Income Tax and all other statutory deductions like labour cess etc. will.

2.2.10. Exemption to IITKGP against any tax/ duty/ fee/ surcharge/ charge/ cost, if any, found applicable or sought later from IITKGP after award shall be passed on to IITKGP by the contractor without dispute.

2.2.11. IITKGP reserves the right to reject any or all of the bids without assigning any reason.

2.2.12. Bid Validity: Bid shall remain valid for 120 days from the date of submission.

2.2.13. Firm Price: Bidder’s quoted Rates/Prices for executing the activities under the Contract shall remain firm till completion of the entire work & shall not attract any escalation under any circumstances whatsoever.

2.2.14. If any information furnished by the bidder is found as false / fabricated, then his bid will be rejected and treated as cancelled. Even if such manipulation is detected at any stage after signing of the contract, it would lead to termination of the contract besides forfeiture of Earnest Money Deposit and liabilities towards prosecution. In such cases the bidder will be debarred from participation in future tendering process in IITKGP for next 05 (Five) years.
2.2.15. Earnest Money Deposit (EMD) of requisite amount and that in prescribed mode or proof of payment thereof shall be enclosed with the Technical Bid explained in following section.

2.2.16. Exemption from EMD: MSEs registered with District Industries Centers, National Small Industries Corporation and any other body specified by Ministry of MSME or Startups as recognized by Department of Industrial Policy and Promotion shall be exempted from payment of EMD in the bid. The self-attested photocopy of their evidence should be submitted by the bidder(s) along with the formal request letter for exemption

i. In case the NSIC/MSEs registration certificate is found invalid during evaluation, the bid of such bidder shall be rejected.

ii. Bidder so exempted for submission of EMD shall have to submit an undertaking as per Annexure-II.

iii. Bidders not having NSIC/ MSE's registration has to submit EMD along with an undertaking as per Annexure II

2.2.17. Refund / Conversion of Earnest Money Deposit: The Earnest Money received shall be refunded to the unsuccessful bidders without any interest after the opening of financial bids. The Earnest Money Deposit of successful bidder shall be retained and converted into part of Security Deposit.

2.2.18. Forfeiture of Earnest Money Deposit: Earnest Money Deposit will be forfeited in any of the following cases:

(i) The bidder withdraws / modifies his tender during the period of Bid Validity.

(ii) The bidder, in case of tie between lowest bids, refuses to submit revised offer.

(iii) The bidder does not accept the correction of arithmetical errors of his tender.

(iv) The bidder fails to deposit Performance Guarantee and information as per format given in GCC within the stipulated time period before award of the work.

2.3. SUBMISSION OF TENDER

2.3.1. Help for Contractors, FAQ, Information about DSC and Bidders Manual Kit containing the detailed guidelines for e-Procurement system are also available on Central Public Procurement Portal [https://eprocure.gov.in/eprocure/app].

2.3.2. It is mandatory for all the bidders to have a valid Class-II/Class-III Digital Signature Certificate (in the name of person having power of attorney to sign the Bid) from any of the licensed Certifying Agency (Bidders can see the list of licensed CA's from the link www.cca.gov.in) to participate in e-Procurement of IIT Kharagpur.

2.3.3. It is mandatory for the bidders to get their firm/company registered with e-procurement portal https://eprocure.gov.in/eprocure/app to have user ID & password.

2.3.4. Tender documents will be available online on website https://eprocure.gov.in/eprocure/app which can be downloaded free of cost.

2.3.5. Bidders may download and refer the “Instructions for Online Bid Submission” from (https://eprocure.gov.in/eprocure/app?sessionId=A8B54EEC72D6DF9AA9D82DDACDAB8D.eprocgep4?page=BiddersManualKit&service=page).

2.3.6. The tender documents shall be submitted online in the prescribed format given on the websites and technical bids received online shall be opened as per NIT or Corrigendum thereof. No other mode of submission is acceptable. Detailed credentials as per the requirement of eligibility criteria and all tender papers except Bill of Quantities are to be submitted in “Technical Bid”. Bill of Quantities with rates duly filled in are to be submitted in the format provided online in the name of “Financial Bid”. Hence, physical submission of the documents is limited to submission of original Earnest Money Deposit in the form of Pay Order/ Demand Draft / Bank Guarantee/MSE registration certificate as per provision given in sub-clause 1.2.5 of NIT & 2.2.15 of Information to Bidders. Representative of the bidder, who chooses to attend, may attend the online opening of the technical bids on the scheduled date and time of Bid opening. However, such representatives shall be allowed to attend the opening of the Technical Bids, only, if such person presents the letter of authority issued in his name by the bidder on his letter head.

2.3.7. Bidders cannot submit the tender after the due date and time of e-bid submission. Time being displayed on Central Public Procurement Portal https://eprocure.gov.in/eprocure/app ("Server System Clock Time") shall be final and binding on the bidder. E-Bids are required to be submitted by bidders, only as per the Indian Standard Time (IST) and not the time as per their location/country.

2.3.8. The bidders are advised to submit their e-bids well before the e-bid due date. IIT Kharagpur shall not be responsible for any delay in submission of e-bids for any reason including server and technical problems.
2.3.9. The Technical and Financial Bid shall be digitally signed by the Authorized Signatory of the bidder & submitted “on-line”. However hard copies of the complete Technical Bid Document shall be submitted in a sealed envelope super scribed with “Hard Copy of Technical Bid / Tender document for NIT No: IW/SS/NIT/2223/06 for the work: Diversion of Sewerage line for NCC Quarters 1 to 09.

NO PRICE BID TO BE SUBMITTED OFFLINE.

The authorized signatory of the bidder must be in possession of Power of Attorney before submitting the digitally signed bid online. Scanned copies of various documents can be prepared in .pdf file format.

2.3.10. Any tender received without original Earnest Money in the form as specified in clause 1.2.5, 1.2.8 of tender documents shall not be considered and shall be summarily rejected.

2.3.11. IIT KHARAGPUR reserves the right to cancel the tenders before submission/opening of tenders, postpone the tender submission/opening date and to accept/reject any or all tenders without assigning any reasons thereof. IIT KHARAGPUR’s assessment of suitability as per eligibility criteria shall be final and binding.

2.3.12. Tenderers may note that they are liable to be disqualified at any time during tendering process in case any of the information furnished by them is not found to be true. EMD of such tenderer shall be forfeited. The decision of IIT KHARAGPUR in this regard shall be final and binding.

2.3.13. The EMDs shall be received at the Civil Construction and Maintenance Section, 1st Floor, Old Building, IIT KHARAGPUR, KHARAGPUR WB 721302, up to 15:00hrs, 23rd August 2022 or Corrigenda otherwise.

2.3.14. EMDs shall be submitted in a envelope super scribed “Diversion of Sewerage line for NCC Quarters 1 to 09.” with the NIT No: IW/SS/NIT/2223/06.

2.4. EVALUATION OF BIDS AND AWARD OF WORK

2.4.1. The Bid of bidder will be opened electronically on the specified date and time of opening at the Civil Construction and Maintenance Section, 1st Floor, Old Building, IIT KHARAGPUR, KHARAGPUR WB 721302 in the presence of willing bidders or their authorized representatives.

2.4.2. Date, time and place of opening of Financial Bid will be informed after evaluation of Technical Bid to the Technically Qualified Bidders.

2.4.3. Bids shall, first, be checked for payment of Earnest Money Deposit. Only those bids found to have duly paid/ submitted Earnest Money Deposit shall be considered for evaluation.

2.4.4. Evaluation of Technical Bid: The bids received will then be assessed on the eligibility criteria mentioned at Para0 of Notice Inviting Tender. Bids found not meeting the eligibility criteria shall be considered non-responsive and shall be rejected summarily.

2.4.5. IITKGp retains the right to revert back to individual bidders with further clarifications / queries on the Technical Bid. The bidder has to respond to the queries within the specified time mentioned in the covering letter.

2.4.6. On the date & time specified for opening of Financial Bid or the Revised Financial Bids as the case may be will be opened on specified date and time.

2.4.7. EVALUATION OF Financial Bids: The Financial Bid should contain the complete bid document with duly filled in Schedule of Financial Quote. Financial Bids opened as above will be checked for arithmetical errors.

2.4.8. The successful bidder shall be issued Letter of Acceptance (LOA) of the bid, and be required to furnish a Performance Guarantee as per General Conditions of Contract, Program Schedule with specific Milestones to be achieved as to complete the work within the stipulated time limit and details of his Technical Staff to be deployed as per Annexure I.

2.4.9. Letter of Award (Work Order) shall be issued to the successful bidder only after receipt of the Performance Guarantee, along with Program Schedule and the details of Technical Staff to be deployed for the work.

2.4.10. Agreement (Contract) consisting of complete tender document including conditions, bill of quantities, technical proposal and specialized services, drawings, if any, and acceptance thereof together with any correspondence leading thereto, shall be drawn and signed with the awardee after issue of Work Order.

2.4.11. Date of start of work shall be reckoned from 7th day from the date of issue of “Letter of Acceptance”. 
3. UNDERTAKING BY THE BIDDER

UNDERTAKING

I / We have read and examined the Tender document including terms & conditions, specifications, bill of quantities, drawings and designs, general rules & directions, General Conditions of Contract, Special Conditions of Contract and all relevant other documents, publications and rules referred to in the Conditions of Contract and all other contents in the tender documents for the work.

I / We, hereby tender for execution of the work specified for the Indian Institute of Technology Kharagpur within the time specified and in accordance in all respects with the specifications, designs, drawings and instructions in writing.

We agree to keep the tender open for 120 days from the last date of its submission and not to make any modifications in its terms and conditions. A sum of Rs. _____________ has been deposited in cash/demand draft of a scheduled bank as earnest money. If I / we, fail to furnish the prescribed performance guarantee within prescribed period, I / we agree that the said Director, Indian Institute of Technology Kharagpur or his authorized officer 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 Director, Indian Institute of Technology Kharagpur 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 therein.

Further, I / We agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I / We shall be debarred for participation in the re-tendering process of the work.

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.

Seal & Signature of Contractor
Postal Address

Dated

Witness

Address

Occupation
## TECHNICAL STAFF OF CONTRACTOR

<table>
<thead>
<tr>
<th>DISCIPLINE</th>
<th>NAME</th>
<th>QUALIFICATION</th>
<th>EXPERIENCE</th>
<th>CONTACT NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall In-charge</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supervisor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Seal & Signature of Contractor
UNDEARTAKING FOR COMPLIANCE WITH GCC

UNDEARTAKING

We hereby undertake that we shall fulfill all the terms & conditions of G.C.C o‘ IIT Kharagpur within the specified time frame, after the acceptance of our offer, in case our offer is accepted; failing which IIT KARAGPUR may go ahead to take necessary action such as reporting the non-compliance to appropriate Government authorities and barring us from future participation in IIT KARAGPUR works.

Seal & Signature of Contractor

DATED:
Profit and Loss Summary statement of Last 5 Financial years
Approved through Chartered Accountants

TO WHOM IT MAY CONCERN

This is to certify that the total turnover and Profit/Loss summary of M/s ................................................................. having its registered office at .................................................................

................................................................. for last five Financial years are as given below:

<table>
<thead>
<tr>
<th>Description</th>
<th>Financial years</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2016-17</td>
</tr>
<tr>
<td>Annual Turnover from Operations</td>
<td></td>
</tr>
<tr>
<td>Profit (+)/Loss (-) After Tax</td>
<td></td>
</tr>
</tbody>
</table>

The above is true to the best of our knowledge and belief.

(TO BE VERIFIED BY Chartered Accountants)
4. Checklist for Documents to be uploaded on [https://eprocure.gov.in/eprocure/app](https://eprocure.gov.in/eprocure/app)

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Documents</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Tender Documents</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>EMD</td>
<td>1.2.5</td>
</tr>
<tr>
<td>3.</td>
<td>Document support of Bonafide Business Entity</td>
<td>1.3.3</td>
</tr>
<tr>
<td>4.</td>
<td>GST Registration Certificate</td>
<td>1.3.3</td>
</tr>
<tr>
<td>5.</td>
<td>Permanent Account Number</td>
<td>1.3.3</td>
</tr>
<tr>
<td>6.</td>
<td>Average annual turnover of the bidder as per ITCC or profit and loss statement for last 5 year</td>
<td>1.3.5</td>
</tr>
<tr>
<td>7.</td>
<td>Experience Certificate</td>
<td>1.3.2</td>
</tr>
<tr>
<td>8.</td>
<td>ANNEXURE-I, II, III</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>SOQ</td>
<td></td>
</tr>
</tbody>
</table>
## Institute Works
### Sanitary Section
### IIT Kharagpur

**Name of Work:** Diversion of sewerage line for NCC quarters 1 to 09.

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Description of Item</th>
<th>Unit</th>
<th>Quantity</th>
<th>Rate (Rs)</th>
<th>Amount (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Constructing Inspection pit to a depth of 1.5 metre (inside), 250 mm thick 1st class brick work (1:4) in all sides over a layer of jhama brick soil and 150 mm thick cement concrete with stone chips (1:3.6) including necessary earth work, fitting and fixing approved type S.W. master trap, constructing masonry invert with cement concrete (1:1.5:3) with stone chips, plastering inside and outside (outside upto 300 mm below G.L.) with 20 mm thick cement plastering (1:4) and neat cement punning, including supplying, fitting and fixing one 560 mm dia R.C.C. manhole cover of approved make with R.C.C. slab of 100 mm thick with cement concrete (1:1.5:3) with stone chips including necessary reinforcement (upto 1%) and shuttering and necessary corbelling brick work (1:4) so that the R.C.C. cover slab rests 150 mm above adjacent G.L., cement plaster (1:4) 10 mm thick on all external surfaces of the top slab as directed complete in all respect and removal of surplus earth with all costs of labour and materials (excluding the cost of master trap only). (i) 900 mm X 750 mm (inside) chamber including fitting and fixing S.W. master trap of 100 mm dia. of approved make A) With Pakur variety. (SAIL/TATA/RINL)</td>
<td>Each</td>
<td>8</td>
<td>13106.22</td>
<td>104849.76</td>
</tr>
<tr>
<td>2</td>
<td>Extra for additional depth beyond 1.5 metre.</td>
<td>Per mtr depth</td>
<td>4.00</td>
<td>3921.02</td>
<td>15584.08</td>
</tr>
<tr>
<td>3</td>
<td>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 All kinds of soil.</td>
<td>Cum</td>
<td>244.40</td>
<td>296.85</td>
<td>70106.14</td>
</tr>
<tr>
<td>4</td>
<td>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.</td>
<td>Cum</td>
<td>240.62</td>
<td>253.95</td>
<td>61105.33</td>
</tr>
<tr>
<td>5</td>
<td>Supply of UPVC pipes (B type) &amp; fittings conforming to IS 13592-1992</td>
<td>Single socketed 3 meter length c. 160 mm</td>
<td>Mtr.</td>
<td>188.00</td>
<td>650.72</td>
</tr>
<tr>
<td>6</td>
<td>Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of jointing materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in walls or R.C. floor where necessary and mending good all damages excluding the cost of masonry or concrete work, if necessary, but including the cost and fitting and fixing holder bat clamps (any floor) or for underground work including cutting trenches upto 1.5 metre and refilling the same complete as per direction of the Engineer-in-charge. (Payment will be made on centre line measurement of the total pipeline including specials Under ground c. 160 mm</td>
<td>Mtr.</td>
<td>188.00</td>
<td>110.84</td>
<td>20837.92</td>
</tr>
<tr>
<td></td>
<td><strong>Total Rs.</strong></td>
<td></td>
<td></td>
<td><strong>394918.59</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Say Rs.</strong></td>
<td></td>
<td></td>
<td><strong>394919.00</strong></td>
<td></td>
</tr>
</tbody>
</table>

Rupees: Three Lakh Ninety Four Thousand Nine Hundred and Nineteen only