



INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR
KHARAGPUR, WEST BENGAL 721302

TENDER DOCUMENT

for

Routine Repair/Maintenance in Connection with
Plumbing and Water Supply Infrastructure at Academic
Campus South at IIT Kharagpur.

NIT No. IITKGP/IW/SP/ACS/26-27/34

Registrar

Indian Institute of Technology Kharagpur





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Note:-

1. If the day falls on any Holiday, the date of any of the events mentioned above shall be on the next working day. In case the due date for opening tender happens to be a holiday, the same will be opened on the next working day. The timing however remains unchanged. Please note that the Institute remains closed on Saturday, Sunday and Institutes holiday.
2. It is the responsibility of the Bidder to ensure that their bids whether sent by post or by courier or dropped by person should reach within the stipulated date & time.
3. The tender/bid received after the last date and prescribed time would summarily be rejected. Tenders/bids having incomplete information are also liable to be rejected.
4. The addendum/ corrigendum if any shall only be published on Institute's website and CPP Portal.



1. NOTICE INVITING TENDER

1.1. INTRODUCTION

Indian Institute of Technology (IIT) Kharagpur, hereinafter called IITKGP, invites online tenders from the eligible contractors for **Routine Repair/Maintenance in Connection with Plumbing and Water Supply Infrastructure at Academic Campus South at IIT Kharagpur**. Particulars of the project are as following.

1.2. PARTICULARS

1. NIT Number	IITKGP/IW/SP/ACS/26-27/34
2. Name of Work	Routine Repair/Maintenance in Connection with Plumbing and Water Supply Infrastructure at Academic Campus South at IIT Kharagpur.
3. Location of Work	IIT Kharagpur Campus
4. Estimated Cost	₹ 21,03,230.00 (Rupees Twenty-One lakh Three Thousand two hundred and thirty Only).
5. Earnest Money Deposit	₹ 43,000.00 (Rupees Forty Three Thousand Only) [MSEs and registered Startups as recognised by DPIIT are exempt from payment of EMD. However, proper and valid documents in this regard must be submitted by the bidders in support of their claim]
6. Time Limit for Execution	365 days from the date of start
7. Tender Basis / Mode	Technical Bid & Financial Bid
8. Mode of Payment to IITKGP (EMD)	<ul style="list-style-type: none"> i) Original Demand Draft/Pay Order must be submitted along with technical bid physically in a separate envelope superscribed with the tender details at the "Stores and Purchase Section, 2nd Floor, Main Building, IIT Kharagpur, Kharagpur WB 721302". ii) Scanned copy of valid Demand Draft/Pay Order has to be uploaded on https://eprocure.gov.in/eprocure/app iii) Demand Draft/Pay order to be drawn in favour of IIT KHARAGPUR payable at Kharagpur. iv) EMD shall be valid for 60 Days from date of opening of Technical Bid.
9. Date, Time & Venue of Pre-bid Meeting	26th May 2026 at 16:10 hrs, Committee Room, First Floor, Main Building, IIT Kharagpur, Kharagpur-721302
10. Closing Date & Time for Receipt of bids	05 th June 2026 upto 16:30 hrs (Online)
11. Date & Time for Opening of Technical Bid	16 th June 2026 at 16:30 hrs (Online)
12. Date & Time for Opening of Price Bid	Shall be intimated to the eligible bidders subsequently through CPP portal.
13. Engineer-in-charge and contact details.	Mr. Sabyasachi Ghosh, Sr. Executive Engineer Tel: 03222-282522, Email: sghosh@hijli.iitkgp.ac.in
14. Address for tender issue, submission and opening	Stores & Purchase Section, 2 nd Floor, Main Building, IIT Kharagpur, Kharagpur WB 721302
15. Website for full and updated information	https://www.iitkgp.ac.in/tenders https://eprocure.gov.in/eprocure/app
16. Website for tender submission & processing	https://eprocure.gov.in/eprocure/app
17. Hard copy submission of Technical Bid Documents	Hard copy of the Technical Bid documents to be submitted at "Stores & Purchase Section, 2 nd Floor, Main Building, IIT Kharagpur, Kharagpur WB 721302" within 07 days from the closing date and time for receipt of bids. (EMD will be submitted along with the Technical Bids)



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/ any other reputed organization. **Joint Venture is not allowed.**
- 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/ any other reputed organization during last 7 (seven) years preceding last date of the month of tender submission.

Note:

- (i) The estimated cost is ₹ 21,03,230 (Rupees Twenty One Lakh Three Thousand two Hundred and thirty 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: **Maintenance /Repair & Renovation of Water Works related jobs.**
- 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 registrations and licenses should be valid during the execution phase.
- 1.3.5. **The Average annual turnover of the bidder as per ITCC or profit & loss statement shall not be less than 30% of the estimated cost of project, not having incurred loss in more than two years, during last 5 years ending 31st Mar 2025. The documents submitted should be duly certified and audited by Chartered Accountant with UDIN No. as mandatory.** Summary statement in support of the above shall be submitted as per **Annexure-III.**
- 1.3.6. Bidders have to submit **Percentage Rate (above or below) BOQ** under Financial Bid (only online) section and technical specification with Technical Bid.



2. INFORMATION TO BIDDERS

2.1 SCOPE OF WORK

The IITKGP intends for Routine Repair and Maintenance in Connection with Plumbing and Water Supply Infrastructure at Academic Campus South at IIT Kharagpur for the financial year 2025-26. The work consists of (i) Routine Repair/Maintenance of Damaged water pipe line (ii) Routine repair/replacement of damaged plumbing fixtures like bib cock, stop cock, wash basin, sink cistern, shower ball cock etc. (iii) Attending breakdown jobs of water pipe line as and when required. (iv) Modification/Extension of pipe line with fittings as and when required.

Constraint: The job needs to be executed in Academic Campus South area without causing any disturbances to the normal functioning of routine activities/ road networks.

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

2.2 PROVISION OF LAND / SPACE

- a. An area shall be made available by IITKgp to the contractor for storing tools, plants, machinery, equipment and materials required for the work free of charge during concurrency of the contract. Location and size of the area so to be made available during work progression and shall be decided by Engineer-in-charge, whose direction shall be final & binding.
- b. An interest-free refundable deposit @ ₹1000/- (Rupees One thousand only) per sqm shall be deposited in suitable form by the successful bidder in addition to PG before occupation of the area so provisioned /provided.
- c. No laborer or worker shall be allowed to stay within the campus, except watchmen of the contractor for the watch and ward of his/her stores within the area provided for the purpose.
- d. Area retained by the contractor after completion of work and before end of DLP shall be 25% of the area during work progression or 150 sqft whichever is more.
- e. In case of contractor executing multiple works, the area providable shall be 50% of the sum total of area provisioned in each contract or the largest area provisioned in any of his / her contract, whichever is more.
- f. Conditions of the area provisions shall remain concurrent with the contract. Contractor shall be liable to release the non-entitled area immediately after completion of work and end of DLP to avoid penal rents.
- g. Penal rent @ ₹500/- (Rupees Five Hundred only) per sqm per month shall be applicable in case of contractor fails to vacate the space after end of the contract or end of DLP whichever is earlier.
- h. IITKgp shall be at liberty to take over the non-vacated area and their belongings after giving 15 days' notice to the contractor if he/ she fails to vacate the area along with recovery of penal rent till the date of area being taken over by IITKgp. The contractor shall also have no claim to any payment of compensation or otherwise whatsoever, on account of non-availability/allocation of space/land by IIT Kgp.
- i. Belongings in the taken over land shall be disposed by IITKgp at the contractor's risk and cost.

2.3 GENERAL INSTRUCTIONS

- 2.3.1 This bid document shall be read in conjunction with GCC (General Conditions of Contract) available on https://www.iitkgp.ac.in/assets/pdf/tenders/GCC_CWWWSSHR.pdf . The bidder must submit the undertaking regarding GCC compliance as per **Annexure – II**.
- 2.3.2 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.
- 2.3.3 The quoted rate should be inclusive of manpower, machine, tools & plants, materials etc. required for performing the contract satisfactorily.
- 2.3.4 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 sghosh@hijli.iitkgp.ac.in . No queries shall be entertained after notification of replies to noteworthy queries received till the date of pre-bid meeting.





- 2.3.5 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 / Schedule of Quantity of the qualifying works also to be attached along with the Completion certificates. Certificate from private individuals / organizations for whom such works have been executed shall not be accepted.
- 2.3.6 The value of completed/executed work, net of any penalties shall be deemed satisfactory completion value for evaluation.
- 2.3.7 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), Addendum/Corrigenda, Clarifications to Pre-bid queries can be downloaded from the websites: i) <https://www.iitkgp.ac.in/tenders> ; ii) <https://eprocure.gov.in/eprocure/app>. Corrigenda, if any shall be published only on these websites *at any time before the closing time of tender*. The institute shall not be responsible for any delay / difficulties / inaccessibility of downloading facility for any reason whatsoever. *The tenderers who have downloaded the tender documents from website must visit the website and ensure that such addendum(s)/corrigendum(s) (if any) is also downloaded by them. This shall be the responsibility of the prospective registered bidders to check the web site for any such corrigendum/addendum before closing time of tender and ensure that bid submitted by them are in accordance with all the corrigenda/addenda.*
- 2.3.8 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.
- 2.3.9 Rates quoted by the bidders (in the uploaded Excel Template having form of contract as “Percentage”) shall be exclusive of GST and inclusive of all applicable taxes. Income Tax and all other statutory deductions like labour cess etc. will be deducted from the bill as per prevailing rules.
- 2.3.10 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.
- 2.3.11 IITKGP reserves the right to reject any or all of the bids without assigning any reason.
- 2.3.12 **Bid Validity:** Bid shall remain valid for 120 days from the actual date of opening of technical bid.
- 2.3.13 **Firm Price:** Bidder’s quoted Rates/Prices for executing the activities under the Contract shall remain firm till completion of the entire work in the original period (and extended period, if any) & shall not attract any escalation under any circumstances whatsoever.
- 2.3.14 As Per the Notification issued by Ministry of Finance vide Notification No. 13/2023-Central Tax (Rate) dt. 19th October, 2023, no GST is payable on services provided to a Governmental Authority by way of Water Supply. Rates quoted by the bidders shall be exclusive of GST (Goods and Services Tax- Central, State and Interstate). However, all other applicable taxes, Income tax and all other statutory deductions like labour cess etc. will be deducted from the bill as per prevailing rules. GST charged will be subject to any modification to Government notification.
- 2.3.15 **Earnest Money Deposit (EMD)** of requisite amount and that in prescribed mode or proof of payment thereof shall be submitted with the Technical Bid.
- 2.3.16 **Refund / Conversion of Earnest Money Deposit:** The Earnest Money received shall be refunded to the unsuccessful bidders without any interest upon executing the Contract Agreement by successful bidder. The Earnest Money Deposit of successful bidder shall be retained and converted into part of Security Deposit.
- 2.3.17 **Forfeiture of Earnest Money Deposit:** Earnest Money Deposit will be forfeited in any of the following cases:
- The bidder withdraws / modifies his tender during the period of Bid Validity.
 - The bidder, in case of tie between lowest bids, refuse to submit revised offer.
 - The bidder does not accept the correction of arithmetical errors of his tender.
 - 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.
- 2.3.18 The provisions of Public Procurement (Preference to Make in India), Order 2017 and subsequent amendments issued from time to time by Department for Promotion of Industry & Internal Trade (DPIIT), Ministry of Commerce and Industry, Government of India shall be applicable. Undertaking/ Declaration of Local Contents as per **Annexure-A** and also undertaking regarding restrictions on procurement from a bidder of a country which shares a land border with India as per **Annexure-B** shall be submitted along with the Tender.

- 2.3.19 A bid submitted with false information will not only be rejected but also the OEM/vendor will be debarred from participation in future tendering process.
- 2.3.20 In case of any dispute, the reasoned and justified decision of the Competent Authority of this Institute shall be final and binding on the bidders.
- 2.3.21 In event of any dispute between the management and the Contractor relating to those contracts where Integrity Pact is applicable, in case both the parties are agreeable, they may try to settle dispute through mediation before the panel of IEMs in a time bound manners (para 5.6 of circular no. 04/06/23 of CVC).
- 2.3.22 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 as per prevailing Government norms. And the Bidder must be submitting the undertaking regarding Blacklisting / Non-Debarment on company / Firm's letterhead (ANNEXURE-C).

2.4 SUBMISSION OF TENDER

- 2.4.1 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>]
- 2.4.2 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.
- 2.4.3 It is mandatory for the bidders to get their firm /company registered with IIT Kharagpur as well as with e-procurement portal to have Vendor Code, User ID & Password. You may follow the below mentioned links-

For IIT Kharagpur: <https://erp.iitkgp.ac.in/SupplierFacilities/login.htm>

For e-procurement portal: <https://eprocure.gov.in/eprocure/app>.

IIT KGP shall not be liable for delay in processing or non-processing of the payment or refund in the absence of Vendor Code registration.

- 2.4.4 Tender documents will be available online on website <https://eprocure.gov.in/eprocure/app> which can be downloaded free of cost.
- 2.4.5 Bidders may download and refer the "Instructions for Online Bid Submission" from (<https://eprocure.gov.in/eprocure/app;jsessionid=2A56E178EED5C7D8536175EFBB573C9F.eprocgep2?page=HelpForContractors&service=page>).
- 2.4.6 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".

Rate Quoted to be submitted in the format provided online in the name of "Financial Bid".

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.

- 2.4.7 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.
- 2.4.8 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.
- 2.4.9 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 documents' shall be submitted in a sealed envelope super scribed with "Hard Copy of Technical Bid/Tender Documents for NIT No: IITKGP/IW/SP/ACS/26-



27/34 for the work: **Routine Repair/Maintenance in Connection with Plumbing and Water Supply Infrastructure at Academic Campus South at IIT Kharagpur.**” as prescribed in Tender Document.

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.

- 2.4.10 Any tender received without original Earnest Money/Exemption Certificate as specified in tender documents, shall not be considered and shall be summarily rejected.
- 2.4.11 The bidders are requested to submit the bids after issue of clarifications only considering the changes made if any. Bidders are totally responsible for incorporating/ complying the changes/ amendments issues if any, in their bid.
- 2.4.12 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.
- 2.4.13 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. The decision of IIT KHARAGPUR in this regard shall be final and binding.
- 2.4.14 The EMDs shall be received at the **Stores & Purchase Section, 2nd Floor, Main Building, IIT Kharagpur, Kharagpur WB 721302, within due date** or Corrigenda otherwise.
- 2.4.15 EMDs shall be submitted in an envelope super scribed **“Routine Repair/Maintenance in Connection with Plumbing and Water Supply Infrastructure at Academic Campus South at IIT Kharagpur.”** with the NIT NO: IITKGP/IW/SP/ACS/26-27/34.

2.5 EVALUATION OF BIDS AND AWARD OF WORK

- 2.5.1 The Bid of bidder will be opened electronically on the specified date and time of opening at the Office of **Stores & Purchase Section, 2nd Floor, Main Building, IIT Kharagpur, Kharagpur, W.B-721302** in the presence of willing bidders or their authorized representatives.
- 2.5.2 **Bids shall, first, be checked for payment of Earnest Money Deposit (if applicable). Only those bids found to have duly paid/ submitted Earnest Money Deposit shall be considered for evaluation. EMD not submitted within due date as per tender document shall be summarily rejected.**
- 2.5.3 **Acceptance of Tender:** The Authority of IIT Kharagpur does not bind itself to accept the lowest priced bid and reserves the right to reject any or entire tender bids received without assigning any reason thereof.
- 2.5.4 Past performance of the Vendors will be judged at the time of Technical evaluation.
- 2.5.5 **Evaluation of Technical Bid:** The bids received will then be assessed on the eligibility criteria mentioned at Para 1.3 of Notice Inviting Tender.
- 2.5.6 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. Bids found not meeting the eligibility criteria shall be considered non-responsive and shall be rejected summarily.
- 2.5.7 **Date & time for opening of Financial Bid:** The Financial Bid or the Revised Financial Bids as the case may be will be opened on specified date and time, which will be intimated to qualified bidder through CPP Portal.
- 2.5.8 **EVALUATION OF Financial Bids:** Unless otherwise stipulated, evaluation of the financial bids shall be on the price criteria only. Financial Bids of all Technically Qualified bids are evaluated and ranked to determine the lowest priced bidder.
- 2.5.9 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**.
- 2.5.10 **Letter of Award** shall be issued to the successful bidder. The Work Order will be issued only after receipt of the Performance Guarantee, along with Program Schedule and the details of Technical Staff to be deployed for the



work. Delay in actual commencement of the works due to delay in completion of the procedural formalities shall fully rest upon the contractor and no claim of the contractor shall be entertained on this account. The actual handing over of site to the contractor shall be endorsed by the Engineer-in-charge in the Site Order book and the same shall be duly acknowledged and accepted by the contractor.

- 2.5.11 **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.
- 2.5.12 **Date of start** of work shall be reckoned from 07 (seven) days after the date of issue of Work Order or date of handover of site whichever is earlier.
- 2.5.13 **The Institute may accept or reject any or all bids, either fully or partially in line with GFR 2017, the Manual for Procurement of Goods, the Manual for Procurement of Consultancy Services and The Manual for Procurement of Non-Consultancy Services, the Institute Procurement Guidelines and applicable Government Orders and their amendments from time to time, and with the due approval of the Competent Authority. Also, the Institute is not bound to accept the lowest bid and may also change the quantity, upgrade the criteria, or drop any item or part thereof at any stage, if the situation so demands, before issuing the Purchase Order.**

2.6 TECHNICAL STAFF OF CONTRACTOR:-

The contractor shall deploy well-trained, qualified and skilled professionals at site of work to execute only quality work, and responsible for the consequences that would arise on his/her failure to do so. In order to effectively operate, certain instructions on this clause are given below:

The contractor shall provide the details i.e. name(s), qualifications, and address(es) of the qualified Engineer(s) required to be employed by him/her as per terms of the contract.

2.6.1 The following shall be strictly advised to by the contractor: -

- a. Engineer(s) deployed as per stipulation in the contract looks after only the work under contract and no other work and is available fully during execution of work.
- b. Even if contractor (or partner in case of firm/company) is himself/herself an Engineer, it is necessary on part of contractor to employ Engineer(s) and/or/Overseer for the supervision of the work(s) as per stipulation.
- c. The Retired Executive Engineer/Assistant Engineer who is holding Diploma is treated at par with Graduate Engineers for the operation of the Clause. Diploma holder with minimum 10-year relevant experience with a reputed construction company can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

2.6.2 The contractor shall provide all necessary superintendence during execution of the work and all along thereafter as may be necessary for proper fulfilling of the obligations under the contract. The contractor shall immediately after receiving letter of acceptance of the tender and before commencement of the work, intimate in writing to the Engineer-in-Charge, the name(s), qualifications, experience, age, address(s) and other particulars along with certificates, of the principal technical representative to be in charge of the work and other technical representative(s) who will be supervising the work as already mentioned above. The Engineer-in-Charge shall within 3 days of receipt of such communication intimate in writing his approval or otherwise of such a representative(s) to the contractor. Any such approval may at any time be withdrawn and in case of such withdrawal, the contractor shall appoint another such representative(s) according to the provisions of this clause. Decision of the tender accepting authority shall be final and binding on the contractor in this respect. Such a principal technical representative and other technical representative(s) shall be appointed by the contractor soon after receipt of the approval from Engineer-in-charge and shall be available at site before start of work.

2.6.3 All the provisions applicable to the principal technical representative under the Clause will also be applicable to other technical representative(s) The principal technical representative and other technical representative(s) shall be present at the site of work for supervision at all times when any construction activity is in progress and also



present himself/themselves, as required, to the Engineer-in-Charge and/or his designated representative to take instructions. Instructions given to the principal technical representative or other technical representative(s) shall be deemed to have the same force as if these have been given to the contractor. The principal technical representative and other technical representative(s) shall be actually available at site fully during all stages of execution of work, during recording/checking/test checking of measurements of works and whenever so required by the Engineer-in-Charge and shall also note down instructions conveyed by the Engineer-in-Charge or his designated representative(s) in the site order book and shall affix his/their signature in token of noting down the instructions and in token of acceptance of measurements/checked measurements/ test checked measurements. The representative(s) shall not look after any other work. Substitutes, duly approved by Engineer-in-Charge of the work in similar manner as aforesaid shall be provided in event of absence of any of the representative(s) by more than two days.

2.6.4 If the Engineer-in-Charge, whose decision in this respect is final and binding on the contractor, is convinced that no such technical representative(s) is/are effectively appointed or is/are effectively attending or fulfilling the provision of this clause, a recovery (non-refundable) shall be effected from the contractor as specified in **Annexure-I** and the decision of the Engineer-In-Charge as recorded in the site order book and measurement recorded checked/test checked in Measurement Books shall be final and binding on the contractor. Further if the contractor fails to appoint suitable technical Principal technical representative and/or other technical representative(s) and if such appointed persons are not effectively present or are absent by more than two days without duly approved substitute or do not discharge their responsibilities satisfactorily, the Engineer-in-Charge shall have full powers to suspend the execution of the work until such date as suitable other technical representative(s) is/are appointed and the contractor shall be held responsible for the delay so caused to the work. The contractor shall submit a certificate of employment of the technical representative(s) (in the desired format along with every on account bill/ final bill or as directed and shall produce evidence if at any time so required by the Engineer-in-Charge.

2.6.5 Requirement of technical staff for a work is decided and stipulated in NIT and LOA. Decision of the tender accepting authority or the Engineer-in-Charge shall be final and binding on the contractor in this respect. Recovery shall be made from the contractor in the event of not fulfilling this based on the guidelines given at **Annexure-I**.

2.6.6 The contractor shall provide and employ on the site only such technical assistants as are skilled and experienced in their respective fields and such foremen and supervisory staff as are competent to give proper supervision to the work. The contractor shall provide and employ skilled, semiskilled and unskilled labour as is necessary for proper and timely execution of the work. The Engineer-in-Charge shall be at liberty to object to and require the contractor to remove from the works any person who in his opinion misconducts himself, or is incompetent or negligent in the performance of his duties or whose employment is otherwise considered by the Engineer-in-Charge to be undesirable. Such person shall not be employed again at works site without the written permission of the Engineer-in-Charge and the persons so removed shall be replaced as soon as possible by competent substitutes.

2.6.7 The contractor shall provide following documents in support of the deployment of their technical staff for the specific work:

- a. Appointment letter by the contractor to the technical staff.
- b. Letter as above, or a supplementary one to above confirming deployment of the technical staff on the specific work.
- c. Copy of PAN card or Voter ID card of the technical staff in support of his/ her identity.
- d. Copy of Aadhar card of the technical staff in support of his/ her address.
- e. Contact details (phone number and email address) of the technical staff.



2.6 SPECIAL CONDITIONS OF CONTRACT:

- a. The rate quoted by the contractor is inclusive of EPF/ESI and all other statutory/non-statutory provisions and no additional payment shall be made to the contractor over and above the quoted rates.
- b. Contractor shall submit monthly attendance sheet/Form-B/Form-VII for all workers. Contractor shall also submit details of EPF/ESI contributions made to these workers. (if applicable).
- c. Payment of monthly bills shall be made only after verification of EPF/ESI contributions by IIT KGP.

2.7 COMPLAINTS HANDALING:

- 2.7.1 All Maintenance complaints shall be got addressed by the contractor to the satisfaction of Engineer-in-charge within 3 days from the date of issuance of the "Job Card " from IIT Kharagpur.
- 2.7.2 Complaints requiring completion time more than 3 days shall be responded specifically by the contractor with the scheme, in consultation with Engineer-in-charge, and timeline for compliance, to the Engineer-in –charge within 3 days from the date of issuance of "Job Card " .
- 2.7.3 Any complaint left unattended by the contractor beyond 3 days within specific reason on record shall attract levy of penalty of Rs. 50/-per complaint per day from 4th day to 7th day and Rs. 100/- per complaint per day thereafter recoverable from dues to the contractor.
- 2.7.4 In case of emergency situation, contractor should be available 24x7 to attend that specific emergency work.



3. UNDERTAKING BY THE BIDDER

U N D E R T A K I N G

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 actual date of opening of technical bid and not to make any modifications in its terms and conditions. A sum of **Rs. 55,000/- (Rupees Fifty-Five Thousand only)** 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



ANNEXURE-I

TECHNICAL STAFF OF CONTRACTOR*

DISCIPLINE	NAME	QUALIFICATION	EXPERIENCE	CONTACT NUMBER
Site Engineer/Quality Engineer				

Seal & Signature of Contractor



*GENERAL GUIDELINES FOR FIXING REQUIREMENT OF TECHNICAL STAFF *

Cost of Work	Requirement of Technical Staff		Minimum Experience	Designation of Technical Staff	Rate at which recovery shall be made in the event of non-fulfilling
	Qualification	Minimum Number of staff			
20 to 50 Cr	Graduate Engineer	1	20 years and having experience of similar nature of work	Project Manager	Rs. 60,000/- per month per person
	Graduate Engineer	1	12 years and having experience of similar nature of work	Deputy Project Manager	Rs. 40,000/- per month per person
	Graduate Engineer or Diploma Engineer	2	5 or 10 years	Project/Site Engineer	Rs. 25,000/- per month per person
	Graduate Engineer or Diploma Engineer	2	2 or 5 years	Project/Planning/Quality /Billing Engineer	Rs. 15,000/- per month per person
10 to 20 Cr	Graduate Engineer	1	10 years and having experience of similar nature of work	Project Manager	Rs. 30,000/- per month per person
	Graduate Engineer	1	5 years	Project/Site Engineer	Rs. 25,000/- per month per person
	Graduate Engineer or Diploma Engineer	2	2 or 5 years	Project/Planning/Quality /Billing Engineer	Rs. 15,000/- per month per person
5 to 10 Cr	Graduate Engineer	1	5 years and having experience of similar nature of work	Project Manager	Rs. 25,000/- per month per person
	Graduate Engineer or Diploma Engineer	2	2 or 5 years	Project/Planning/Quality /Billing Engineer	Rs. 15,000/- per month per person
1.5 to 5 Cr	Graduate Engineer or Diploma Engineer	2	2 or 5 years	Project manager cum Project/Planning/Quality /Billing/ Site Engineer	Rs. 15,000/- per month per person
15 lakhs to 1.5 Cr	Graduate Engineer or Diploma Engineer	1	2 or 5 years	Project manager cum Project/Planning/Quality /Billing/ Site Engineer	Rs. 15,000/- per month per person

- 'Cost of work,' in table above, means the estimated cost of the work put to tender.
- Requirement of technical staff and their experience can be varied depending upon nature of work by NIT approving authority with recorded reasons.
- The contractor shall submit the details of Technical Staff based on the NIT Clause 2.5 and Annexure-I above.
- In case of contractor executing multiple works, the technical staff required shall be 50% of the sum total of staff in each category required in each contract or the greatest staff strength required in any of his/ her contract whichever is more.

Seal & Signature of Contractor



UNDERTAKING FOR GCC COMPLIANCE**UNDERTAKING**

We hereby undertake that we shall fulfill all the terms & conditions of GCC-IIT Kharagpur within the specified time frame, after the acceptance of our offer in case our offer is accepted; failing which IIT KHARAGPUR 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 KHARAGPUR works.



Seal & Signature of Contractor

DATED:

ANNEXURE - III

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: -

Description	Financial years				
	2020-21	2021-22	2022-23	2023-24	2024-25
Annual Turnover from Operations					
Profit (+)/Loss (-) After Tax					

The above mentioned complete data is true to the best of our knowledge and belief and can be verified using the provided UDIN.

(TO BE VERIFIED BY Chartered Accountants)

Date & Seal

UDIN NO.



ANNEXURE – A

DECLARATION OF LOCAL CONTENT

(To be given on Company Letter Head)

Tender No: Dated:

To,

The Registrar,Indian Institute of Technology (IIT), Kharagpur
Kharagpur, West Bengal-721302**Subject: Declaration of Local Content-reg.**

1. Country of origin of Goods being offered :.....
2. We hereby declare that items offered has % local content.

(Clarification for Local content calculation as per OM No: P-45021/102/2019-BE-II-Part (1)(E-50310), dated 4th March 2021 of Department of Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Govt. of India.)

3. The details of the location(s) at which local value addition is made are given in the below table;

Sl. No.	Name of the Item	Location(s) of Local Value addition with PIN Code

“ Local Content” means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

Important:

“False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules 2017 for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules 2017 along with such other actions as may be permissible under law.”

Date:

Yours faithfully,

(Signature of the bidder, with Official Seal)



ANNEXURE – B

FOR SERVICES

(On Company / firm's Letterhead)

Tender No: Dated :

CERTIFICATE

I/we have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I/we hereby certify that this bidder is not from such a country and is eligible to be considered.

OR (whichever is applicable)

I/we have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I/we hereby certify that this bidder is from _____ (Name of Country) and has been registered with the Competent Authority. I/we also certify that this bidder fulfils all the requirements in this regard and is eligible to be considered.

(Copy/ evidence of valid registration by the Competent Authority is to be attached with the bid document)

Signature of the Authorized Person

Date:

Full Name:

Place:

Company Seal:



ANNEXURE – C

**UNDERTAKING REGARDING BLACKLISTING / NON – DEBARMENT
(On Company / firm's Letterhead)**

I/We hereby confirm and declare that we, M/s _____, is not blacklisted/ Deregistered/ debarred by any Government department/ Public Sector Undertaking/ Private Sector/ or any other agency for which we have Executed/ Undertaken the works/ Services as on date.

“Submission of Forged document or False declaration in any stage of contract will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules 2017 for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules 2017 along with such other actions as may be permissible under law.”

Signature of the Authorized Person

Date: -----

Full Name: -----

Place: -----

Company Seal: -----



ANNEXURE-D

DETAILS OF THE BIDDER

1	Name of the Firm	
2	Address for Communication	
3	Email id (shall be working up to end of contract period/DLP)	
4	Particulars of Registration with Government / Semi Government Organizations/ Government Funded Autonomous Organization etc. like CPWD/ PWD/ MES/IIT or PSUs (if available)	
5	Legal Status of the Bidder:- a) A Proprietary Firm b) A Partnership Firm c) A Limited Company d) A Consortium	
6	Name of the Authorized Personnel/Signatory/ Person having Power of Attorney	
7	Mobile No.	
8	Telephone No.	
9	Permanent Account Number (PAN) No.	
10	GST Registration No.	
11	IIT Kgp Vendor Code (if available)	

Signature with seal



Declaration

1. I, Son/ Daughter of Shri Proprietor/ Partner/ CEO/ MD/ Director/ Authorized Signatory of M/s. am competent to sign this declaration and execute this tender document.
2. Tender ref. no.: dt. I have carefully read and understood all the terms and conditions of the tender and hereby convey my acceptance of the same.
3. The information/ documents furnished along with the above application are true and authentic to the best of my knowledge and belief.
4. I/ we am/are well aware of the fact that furnishing of any false information/ fabricated document would lead to rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.
5. Each page of the tender documents and papers submitted by my Company is authenticated, sealed and signed, and I take full responsibility for the entire documents submitted.



Signature of the Authorized Person

Date:

Full Name:

Place:

Company Seal:

4. Checklist for Documents to be uploaded on <https://eprocure.gov.in/eprocure/app> (To be filled by bidder)

Sl. No.	Documents (Sealed and Signed)	Page Number
1.	Tender Documents	
2.	EMD	
3.	Document support of Bonafide Business Entity	
4.	GST Registration Certificate	
5.	Permanent Account Number	
6.	Average annual turnover of the bidder as per ITCC or profit and loss statement for last 5 year	
7.	Experience Certificate	
8.	ANNEXURES-I_II_III_A_B_C_D	
9.	SOQ	



INSTITUTE WORKS
WATER WORKS SECTION
IIT KHARAGPUR

Schedules of Quantities (SOQ)

Name of the Work: Routine Repair/Maintenance in Connection with Plumbing and Water Supply Infrastructure at Academic Campus South at IIT Kharagpur

SL	Description	Qty	Unit	Basic Rate(Rs) A	Multiplying factor for cess(1%) A*1% = B	Actual Rate(R S.) = (A+B)	Amount(RS)
1	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 :All kinds of soil Pipes, cables etc, not exceeding 80 mm dia.	120	mtr	₹ 352.15		₹ 352.15	₹ 42,258.00
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 :All kinds of soil Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	100	mtr	₹ 549.75		₹ 549.75	₹ 54,975.00
3	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:Cement mortar 1:6 (1 cement : 6 coarse sand)	5	Cum	6077.9		₹ 6,077.90	₹ 30,389.50
4	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 :Cement mortar 1:6 (1 cement : 6 coarse sand)	5	Cum	₹ 7,508.81		₹ 7,508.81	₹ 37,544.05





5	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 1:3 (1 cement : 3 coarse sand)	5	Sqm	₹ 768.34		₹ 768.34	₹ 3,841.70
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)	5	Cum	₹ 6,015.26		₹ 6,015.26	₹ 30,076.30
7	15 mm cement plaster on rough side of single or half brick wall of mix:1:4 (1 cement: 4 coarse sand)	10	Sqm	₹ 339.52		₹ 339.52	₹ 3,395.20
8	20 mm cement plaster of mix :1:6 (1 cement: 6 coarse sand)	10	Sqm	₹ 384.29		₹ 384.29	₹ 3,842.90
9	Neat cement punning.	10	Sqm	₹ 65.91		₹ 65.91	₹ 659.10
10	Cutting holes up to 30x30 cm in walls including making good the same:With common burnt clay F.P.S. (non modular) bricks	10	Each	₹ 385.63		₹ 385.63	₹ 3,856.30
11	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof.	10	Each	₹ 375.48		₹ 375.48	₹ 3,754.80
12	Making chases up to 7.5x7.5 cm in walls including making good and finishing with matching surface after housing G.I. pipe etc.	15	Each	₹ 173.83		₹ 173.83	₹ 2,607.45
13	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	4	cum	₹ 1,239.88		₹ 1,239.88	₹ 4,959.52
14	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.In cement mortar	10	cum	₹ 1,698.87		₹ 1,698.87	₹ 16,988.70



15	<p>Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chollies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding.</p> <p>Note: - This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done.</p>	50	sqm	₹ 278.94		₹ 278.94	₹ 13,947.00
16	Dismantling ball cock and refixing after repair including straightening lever and renewing split pin or fixing new ball cock or replacing the same15 mm dia	5	Each	₹ 28.00	₹ 0.28	₹ 28.28	₹ 141.40
17	Dismantling ball cock and refixing after repair including straightening lever and renewing split pin or fixing new ball cock or replacing the same20 mm dia	10	Each	₹ 33.00	₹ 0.33	₹ 33.33	₹ 333.30
18	Dismantling ball cock and refixing after repair including straightening lever and renewing split pin or fixing new ball cock or replacing the same25 mm dia	15	Each	₹ 36.00	₹ 0.36	₹ 36.36	₹ 545.40
19	Dismantling ball cock and refixing after repair including straightening lever and renewing split pin or fixing new ball cock or replacing the same40 mm dia	20	Each	₹ 49.00	₹ 0.49	₹ 49.49	₹ 989.80
20	Dismantling ball cock and refixing after repair including straightening lever and renewing split pin or fixing new ball cock or replacing the same50 mm dia	20	Each	₹ 51.00	₹ 0.51	₹ 51.51	₹ 1,030.20



21	Labour for punching hole in plastic water storage tank up to 50 mm dia.	50	Each	₹ 19.00	₹ 0.19	₹ 19.19	₹ 959.50
22	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./H.P.H.D. plastic ball.20 mm nominal bore	5	Each	₹ 212.44		₹ 212.44	₹ 1,062.20
23	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./H.P.H.D. plastic ball.25 mm dia	10	Each	₹ 431.92		₹ 431.92	₹ 4,319.20
24	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./H.P.H.D. plastic ball.40mm dia	10	Each	₹ 607.88		₹ 607.88	₹ 6,078.80
25	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./H.P.H.D. plastic ball.50mm dia	10	Each	₹ 1,134.61		₹ 1,134.61	₹ 11,346.10
26	Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in-charge.	20	Each	₹ 357.68		₹ 357.68	₹ 7,153.60
27	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	10000	ltr	₹ 9.06		₹ 9.06	₹ 90,600.00
28	Supplying, fitting and fixing of P.V.C tank cover (Black) (for 300 litre to 5000 litre P.V.C tanks) with necessary hinge, screws and locking arrangement institute approved make or as approved by Engineer-in-charge	100	Each	₹ 279.86		₹ 279.86	₹ 27,986.00
29	Providing and fixing PTMT extension nipple for water tank pipe, fittings of approved quality and colour 15 mm nominal bore, weighing not less than 32 gms	5	Each	₹ 44.19		₹ 44.19	₹ 220.95
30	Providing and fixing PTMT extension nipple for water tank pipe, fittings of approved quality and colour 20 mm nominal bore, weighing not less than 40 gms	10	Each	₹ 77.04		₹ 77.04	₹ 770.40



31	Providing and fixing PTMT extension nipple for water tank pipe, fittings of approved quality and colour 25mm nominal bore, weighing not less than 62 gms	10	Each	₹ 93.47		₹ 93.47	₹ 934.70
32	Dismantling and refixing tank including disconnecting and refitting pipe connection in position.	25	Each	₹ 340.61		₹ 340.61	₹ 8,515.25
33	Providing , fitting, fixing in position ball cocks body (without Rod & Ball) 20 mm dia	2	Each	₹ 265.70		₹ 265.70	₹ 531.40
34	Providing , fitting, fixing in position ball cocks body (without Rod & Ball) 25 mm dia	2	Each	₹ 439.46		₹ 439.46	₹ 878.92
35	Providing , fitting, fixing in position ball cocks body (without Rod & Ball) 40 mm dia	2	Each	₹ 797.20		₹ 797.20	₹ 1,594.40
36	Providing , fitting, fixing in position ball cocks body (without Rod & Ball) 50 mm dia	2	Each	₹ 1,087.48		₹ 1,087.48	₹ 2,174.96
37	Dismantling 15 to 40 mm dia G.I. pipe including stacking of dismantled pipes (within 50 metres lead) as per direction of Engineer in- Charge. Internal Work- Exposed on wall	200	mtr	₹ 2.66		₹ 2.66	₹ 532.00
38	Labour for dismantling G.I. pipe with fittings 40 to 65 mm	100	mtr	₹ 8.00	₹ 0.08	₹ 8.08	₹ 808.00
39	Labour for dismantling G.I. pipe with fittings 80 to 100 mm	50	mtr	₹ 11.00	₹ 0.11	₹ 11.11	₹ 555.50
40	Refixing G.I. pipe with fittings after cleaning where necessary 15 to 25 mm	100	mtr	₹ 6.00	₹ 0.06	₹ 6.06	₹ 606.00
41	Refixing G.I. pipe with fittings after cleaning where necessary 32 mm	25	mtr	₹ 8.00	₹ 0.08	₹ 8.08	₹ 202.00
42	Refixing G.I. pipe with fittings after cleaning where necessary 40 to 50 mm	50	mtr	₹ 9.00	₹ 0.09	₹ 9.09	₹ 454.50
43	Refixing G.I. pipe with fittings after cleaning where necessary 65 mm	50	mtr	₹ 15.00	₹ 0.15	₹ 15.15	₹ 757.50
44	Refixing G.I. pipe with fittings after cleaning where necessary 80 to 100 mm	50	mtr	₹ 16.00	₹ 0.16	₹ 16.16	₹ 808.00
45	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge : 15 mm to 40 mm nominal bore	20	mtr	₹ 123.53		₹ 123.53	₹ 2,470.60



46	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge :Above 40 mm nominal bore	20	mtr	₹ 133.08		₹ 133.08	₹ 2,661.60
47	Dismantling C.I. pipes including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site within 50 metre lead as per direction of Engineer-in-charge:Up to 150 mm diameter	5	mtr	₹ 306.24		₹ 306.24	₹ 1,531.20
48	Dismantling C.I. pipes including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site within 50 metre lead as per direction of Engineer-in-charge:Above 150 mm dia up to 300 mm dia	5	mtr	₹ 410.88		₹ 410.88	₹ 2,054.40
49	Dismantling C.I. pipes including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site within 50 metre lead as per direction of Engineer-in-charge:Above 300 mm diameter	5	mtr	₹ 543.09		₹ 543.09	₹ 2,715.45
50	Providing and laying Ductile Iron Pipes100 mm dia Ductile Iron Class K-7 pipes	5	mtr	₹ 1,174.99		₹ 1,174.99	₹ 5,874.95
51	Providing and laying Ductile Iron Pipes150 mm dia Ductile Iron Class K-7 pipes	5	mtr	₹ 1,671.99		₹ 1,671.99	₹ 8,359.95
52	Providing and laying Ductile Iron Pipes200 mm dia Ductile Iron Class K-7 pipes	5	mtr	₹ 2,175.26		₹ 2,175.26	₹ 10,876.30
53	Providing and laying Ductile Iron Pipes250 mm dia Ductile Iron Class K-7 pipes	5	mtr	₹ 2,692.01		₹ 2,692.01	₹ 13,460.05
54	Providing and laying Double Flanged (Screwed/ Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K - 9 100 mm dia Ductile Iron Double Flanged	5	mtr	₹ 1,515.91		₹ 1,515.91	₹ 7,579.55



55	Providing and laying Double Flanged (Screwed/ Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K - 9 150 mm dia Ductile Iron Double Flanged	5	mtr	₹ 2,170.85		₹ 2,170.85	₹ 10,854.25
56	Providing and laying Double Flanged (Screwed/ Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K - 9 200 mm dia Ductile Iron Double Flanged	5	mtr	₹ 2,799.36		₹ 2,799.36	₹ 13,996.80
57	Providing and laying Double Flanged (Screwed/ Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K - 9 250 mm dia Ductile Iron Double Flanged	5	mtr	₹ 3,910.13		₹ 3,910.13	₹ 19,550.65
58	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 15 mm nominal outer dia Pipes	30	mtr	₹ 236.51		₹ 236.51	₹ 7,095.30
59	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 20 mm nominal outer dia Pipes	50	mtr	₹ 276.23		₹ 276.23	₹ 13,811.50
60	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 25 mm nominal outer dia Pipes	50	mtr	₹ 331.13		₹ 331.13	₹ 16,556.50



61	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 40 mm nominal outer dia Pipes	50	mtr	₹ 579.66		₹ 579.66	₹ 28,983.00
62	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 50 mm nominal outer dia Pipes	100	mtr	₹ 770.29		₹ 770.29	₹ 77,029.00
63	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 15 mm nominal outer dia Pipes	20	mtr	₹ 446.07		₹ 446.07	₹ 8,921.40
64	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including	20	mtr	₹ 478.91		₹ 478.91	₹ 9,578.20



	cutting chases and making good the walls etc.20 mm nominal outer dia Pipes						
65	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.25 mm nominal outer dia Pipes	25	mtr	₹ 552.82		₹ 552.82	₹ 13,820.50
66	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External works 15 mm nominal outer dia Pipes	5	mtr	₹ 248.19		₹ 248.19	₹ 1,240.95
67	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External works 20 mm nominal outer dia Pipes	5	mtr	₹ 226.18		₹ 226.18	₹ 1,130.90



68	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External works 25 mm nominal outer dia Pipes	10	mtr	₹ 293.06		₹ 293.06	₹ 2,930.60
69	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External works 40 mm nominal outer dia Pipes	20	mtr	₹ 464.31		₹ 464.31	₹ 9,286.20
70	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External works 50 mm nominal outer dia Pipes	50	mtr	₹ 654.94		₹ 654.94	₹ 32,747.00
71	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External works 65 mm nominal dia Pipes	10	mtr	₹ 1,380.70		₹ 1,380.70	₹ 13,807.00
72	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction	50	mtr	₹ 1,786.36		₹ 1,786.36	₹ 89,318.00



	of Engineer in Charge. External works 80 mm nominal dia Pipes						
73	Supplying, fitting and fixing PVC pipes of approved make of Schedule-40 conforming to ASTM D - 1785 and threaded to match with GI and PVC Pipes with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbow, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials like teflon, solvent cement etc. in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials.) For Exposed Work / 15 mm dia	25	mtr	₹ 178.63		₹ 178.63	₹ 4,465.75
74	Supplying, fitting and fixing PVC pipes of approved make of Schedule-40 conforming to ASTM D - 1785 and threaded to match with GI and PVC Pipes with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbow, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials like teflon, solvent cement etc. in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials.) For Exposed Work / 20 mm dia	50	mtr	₹ 208.67		₹ 208.67	₹ 10,433.50



75	<p>Supplying, fitting and fixing PVC pipes of approved make of Schedule-40 conforming to ASTM D - 1785 and threaded to match with GI and PVC Pipes with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbow, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials like teflon, solvent cement etc. in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials.) For Exposed Work / 25 mm dia</p>	50	mtr	₹ 260.81		₹ 260.81	₹ 13,040.50
76	<p>Supplying, fitting and fixing PVC pipes of approved make of Schedule-40 conforming to ASTM D - 1785 and threaded to match with GI and PVC Pipes with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbow, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials like teflon, solvent cement etc. in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials.) For Exposed Work / 32 mm dia</p>	5	Mtr	₹ 339.84		₹ 339.84	₹ 1,699.20



77	<p>Supplying, fitting and fixing PVC pipes of approved make of Schedule-40 conforming to ASTM D - 1785 and threaded to match with GI and PVC Pipes with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbow, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials like teflon, solvent cement etc. in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials.) For Exposed Work / 40 mm dia</p>	50	Mtr	₹ 424.65		₹ 424.65	₹ 21,232.50
78	<p>Supplying, fitting and fixing PVC pipes of approved make of Schedule-40 conforming to ASTM D - 1785 and threaded to match with GI and PVC Pipes with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbow, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials like teflon, solvent cement etc. in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials.) For Exposed Work / 50 mm dia</p>	150	Mtr	₹ 510.69		₹ 510.69	₹ 76,603.50



79	<p>Supplying, fitting and fixing PVC pipes of approved make of Schedule-40 conforming to ASTM D - 1785 and threaded to match with GI and PVC Pipes with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbow, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials like teflon, solvent cement etc. in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials.) For Exposed Work / 80 mm dia</p>	50	Mtr	₹ 941.34		₹ 941.34	₹ 47,067.00
80	<p>Supplying, fitting and fixing PVC pipes of approved make of Schedule-40 conforming to ASTM D - 1785 and threaded to match with GI and PVC Pipes with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbow, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials like teflon, solvent cement etc. in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials.) For Exposed Work / 100 mm dia</p>	20	Mtr	₹ 1,272.30		₹ 1,272.30	₹ 25,446.00



81	Providing fitting fixing P.V.C SWR Pipes of approved makewith all necessary necessary accessories, specials viz.socket,bend,tee,union,cross, elbow,nipple,long screw,reducing socket,reducing tee,short piece etc.fitted with G.I hook,including cutting pipes,making hreads,fitting,fixing etc.complete in all respect including cost of all necessary fittings as required ,jointing materials in any position above ground.(Payment will be made on the centre line measurement of total pipe line including all specials. No separate payment will be made for accessories, specials.)40 mm dia	50	Mtr	₹ 158.99		₹ 158.99	₹ 7,949.50
82	Providing fitting fixing P.V.C SWR Pipes of approved makewith all necessary specials viz.socket,bend,tee,union,cross, elbow,nipple,longscrew,reducing socket,reducing tee,short piece etc.fitted with G.I hook,including cutting pipes,making hreads,fitting,fixing etc.complete in all respect including cost of all necessary fittings as required ,jointing materials in any position above ground.(Payment will be made on the centre line measurement of total pipe line including all specials. No separate payment will be made for accessories, specials.)50 mm dia	50	Mtr	₹ 176.65		₹ 176.65	₹ 8,832.50
83	Providing flanged joints to double flanged C.I./ D.I. pipes and specials, including testing of joints : 80 mm diameter pipe	2	Each	₹ 177.37		₹ 177.37	₹ 354.74
84	Providing flanged joints to double flanged C.I./ D.I. pipes and specials, including testing of joints : 100 mm diameter pipe	4	Each	₹ 273.77		₹ 273.77	₹ 1,095.08
85	Providing flanged joints to double flanged C.I./ D.I. pipes and specials, including testing of joints : 150 mm diameter pipe	4	Each	₹ 319.43		₹ 319.43	₹ 1,277.72
86	Providing flanged joints to double flanged C.I./ D.I. pipes and specials, including testing of joints : 200 mm diameter pipe	2	Each	₹ 353.45		₹ 353.45	₹ 706.90
87	Providing push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and the cost of rubber	6	Joint	₹ 98.52		₹ 98.52	₹ 591.12



	gasket :100 mm diameter pipe						
88	Providing push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and the cost of rubber gasket :150 mm diameter pipe	4	Joint	₹ 159.02		₹ 159.02	₹ 636.08
89	Providing push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and the cost of rubber gasket :200 mm diameter pipe	4	Joint	₹ 231.57		₹ 231.57	₹ 926.28
90	Providing push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and the cost of rubber gasket :250 mm dia pipes	4	Joint	₹ 280.67		₹ 280.67	₹ 1,122.68
91	Providing lead caulked joints to spun iron or C.I. pipes and specials, including testing of joints but excluding the cost of pig lead : 100 mm diameter pipe	2	Each	₹ 409.32		₹ 409.32	₹ 818.64
92	Providing lead caulked joints to spun iron or C.I. pipes and specials, including testing of joints but excluding the cost of pig lead : 150 mm diameter pipe	2	Each	₹ 614.22		₹ 614.22	₹ 1,228.44
93	Providing lead caulked joints to spun iron or C.I. pipes and specials, including testing of joints but excluding the cost of pig lead : 200 mm diameter pipe	2	Each	₹ 816.53		₹ 816.53	₹ 1,633.06
94	Providing lead caulked joints to spun iron or C.I. pipes and specials, including testing of joints but excluding the cost of pig lead : 250 mm diameter pipe	1	Each	₹ 1,020.69		₹ 1,020.69	₹ 1,020.69
95	cutting C.I. pipe with steel saw.80 mm diameter C.I. Pipe	2	Each cut	₹ 119.79		₹ 119.79	₹ 239.58
96	cutting C.I. pipe with steel saw.100 mm diameter C.I. Pipe	2	Each cut	₹ 160.53		₹ 160.53	₹ 321.06
97	cutting C.I. pipe with steel saw.150 mm diameter C.I. pipe	2	Each cut	₹ 301.55		₹ 301.55	₹ 603.10
98	cutting C.I. pipe with steel saw.200 mm diameter C.I. pipe	2	Each cut	₹ 402.18		₹ 402.18	₹ 804.36
99	Repairing damaged lead caulked joint by cutting trench through any type of surface including taking out lead from the joint,recasting and hammering the same with additional lead and lead wool,refilling the trench and mending good damages of the	5	Each	₹ 232.00	₹ 2.32	₹ 234.32	₹ 1,171.60



	surface complete in all respect including cost of lead and lead wool100 mm dia.						
100	Repairing damaged lead caulked joint by cutting trench through any type of surface including taking out lead from the joint,recasting and hammering the same with additional lead and lead wool,refilling the trench and mending good damages of the surface complete in all respect including cost of lead and lead wool150 mm dia.	5	Each	₹ 275.00	₹ 2.75	₹ 277.75	₹ 1,388.75
101	Providing and laying flanged C.I. standard specials such as tees, bends, collars, tapers, caps etc., suitable for flanged jointing as per IS : 1538 : Up to 300 mm dia	5	Quintal	₹ 7,465.92		₹ 7,465.92	₹ 37,329.60
102	Laying in position S&S or flanged C.I. special such as tees, bends, collars, tapers and caps etc.(excluding cost of specials).	10	Quintal	₹ 610.84		₹ 610.84	₹ 6,108.40
103	Providing and laying D.I. specials of class K-12 suitable for push-on jointing as per IS : 9523 :Up to 600 mm dia	1	Quintal	₹ 16,616.21		₹ 16,616.21	₹ 16,616.21
104	Providing and laying D.I. Specials of Class K - 12 suitable for mechanical jointing as per IS : 9523 :Up to 600 mm dia	1	Quintal	₹ 17,672.02		₹ 17,672.02	₹ 17,672.02
105	Drilling and tapping C.I. MainUpto 15 mm	2	set	₹ 160.00	₹ 1.60	₹ 161.60	₹ 323.20
106	Drilling and tapping C.I. MainAbove 15 mm upto 25 mm	3	set	₹ 200.00	₹ 2.00	₹ 202.00	₹ 606.00
107	Drilling and tapping C.I. MainAbove 25 mm	2	set	₹ 239.00	₹ 2.39	₹ 241.39	₹ 482.78
108	Dismantling existing ferrule including refixing the same after cleaning 15 mm to 25 mm dia	5	Each	₹ 191.00	₹ 1.91	₹ 192.91	₹ 964.55
109	Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main :15 mm nominal bore	2	Each	₹ 303.93		₹ 303.93	₹ 607.86
110	Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main :20 mm nominal bore	2	Each	₹ 350.73		₹ 350.73	₹ 701.46
111	Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main :25 mm nominal bore	2	Each	₹ 449.27		₹ 449.27	₹ 898.54
112	Supplying pig lead at site of work.	0.125	Quintal	₹ 27,573.00		₹ 27,573.00	₹ 3,446.63



113	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	20	Each	₹ 54.50		₹ 54.50	₹ 1,089.95
114	Refixing cistern including brackets as necessary including cleaning and adjustment of all parts up to 10 lit	20	Each	₹ 54.50		₹ 54.50	₹ 1,089.95
115	Changing the lather (washer) only of syphon of automatic cistern including taking out and refixing necessary parts.	50	Each set	₹ 39.00	₹ 0.39	₹ 39.39	₹ 1,969.50
116	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. 10 litre capacity - White	20	Each	₹ 1,098.89		₹ 1,098.89	₹ 21,977.80
117	Providing fitting fixing PVC low level Dual flush cistern with all fittings and fixtures complete. 10 litre capacity - White	10	Each	₹ 1,757.54		₹ 1,757.54	₹ 17,575.40
118	Dismantling flush pipe of water closet.	5	Each	₹ 17.00	₹ 0.17	₹ 17.17	₹ 85.85
119	Refixing flush pipe of water closet	5	Each	₹ 22.00	₹ 0.22	₹ 22.22	₹ 111.10
120	Providing,fitting and fixing 32 mm dia. Polythene Flush Pipe with necessary fixing materials and clamps complete.	50	Each	₹ 155.00	₹ 1.55	₹ 156.55	₹ 7,827.50
121	Labour for repairing of flushing cisterns including replacement of syphon, washer,ball cock, handle etc	100	Each	₹ 113.54		₹ 113.54	₹ 11,353.66
122	Supplying, fitting and fixing of syphon For P.V.C Cistern for single flush	40	Each	₹ 493.78		₹ 493.78	₹ 19,751.20
123	Supplying, fitting and fixing of syphon For P.V.C Cistern for dual flush	2	Each	₹ 855.90		₹ 855.90	₹ 1,711.80
124	Supplying, fitting and fixing of syphon Complete internal fittings for dual flush cistern	10	Each	₹ 1,138.19		₹ 1,138.19	₹ 11,381.90
125	Providing fitting and fixing of Poly handle for P.V.C Cistern for single flush	25	Each	₹ 202.52		₹ 202.52	₹ 5,063.00
126	Providing fitting and fixing of Ball cock set for P.V.C Cistern of single flush	25	Each	₹ 227.35		₹ 227.35	₹ 5,683.75
127	Providing fitting and fixing of push button for P.V.C Cistern of dual flush	10	Each	₹ 246.82		₹ 246.82	₹ 2,468.20
128	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.15 mm nominal bore with 45 cm length	100	Each	₹ 112.51		₹ 112.51	₹ 11,251.00



129	Dismantling basin, sink with waste fittings and brackets	15	Each	₹ 35.00	₹ 0.35	₹ 35.35	₹ 530.25
130	Refixing wash basin or sink with or without waste fittings	15	Each	₹ 70.00	₹ 0.70	₹ 70.70	₹ 1,060.50
131	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings :Flat back wash basin of size 630x450 mm	1	Each	₹ 1,236.47		₹ 1,236.47	₹ 1,236.47
132	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings :Flat back wash basin of size 550x400 mm	1	Each	₹ 916.10		₹ 916.10	₹ 916.10
133	Providing, fitting, fixing under Counter oval shaped Basin of size 550x445x200mm	1	Each	₹ 1,999.32		₹ 1,999.32	₹ 1,999.32
134	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink asper IS:13983 with C.I. brackets and stainless steel plug 40 mm,including painting of fittings and brackets, cutting and making good the walls wherever required :Kitchen sink with drain board 510x1040 mm bowl depth 250 mm	1	Each	₹ 6,410.35		₹ 6,410.35	₹ 6,410.35
135	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink asper IS:13983 with C.I. brackets and stainless steel plug 40 mm,including painting of fittings and brackets, cutting and making good the walls wherever required :Kitchen sink with drain board 510x1040 mm bowl depth 225 mm	1	Each	₹ 6,935.55		₹ 6,935.55	₹ 6,935.55
136	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink asper IS:13983 with C.I. brackets and stainless steel plug 40 mm,including painting of fittings and brackets, cutting and making good the walls wherever required :Kitchen sink with drain board 510x1040 mm bowl depth 200 mm	2	Each	₹ 6,607.30		₹ 6,607.30	₹ 13,214.60
137	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink asper IS:13983 with C.I. brackets and stainless steel plug 40 mm,including painting of fittings and brackets, cutting and making good the walls wherever required :Kitchen sink with drain board 510x1040 mm bowl depth 178 mm	2	Each	₹ 6,384.09		₹ 6,384.09	₹ 12,768.18



138	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink asper IS:13983 with C.I. brackets and stainless steel plug 40 mm,including painting of fittings and brackets, cutting and making good the walls wherever required :Kitchen sink with out drain board 610x510 mm bowl depth 200 mm	2	Each	₹ 4,560.02		₹ 4,560.02	₹ 9,120.04
139	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink asper IS:13983 with C.I. brackets and stainless steel plug 40 mm,including painting of fittings and brackets, cutting and making good the walls wherever required :Kitchen sink with out drain board 610x460 mm bowl depth 200 mm	2	Each	₹ 3,575.27		₹ 3,575.27	₹ 7,150.54
140	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink asper IS:13983 with C.I. brackets and stainless steel plug 40 mm,including painting of fittings and brackets, cutting and making good the walls wherever required :Kitchen sink with out drain board 470x420 mm bowl depth 178 mm	2	Each	₹ 3,144.60		₹ 3,144.60	₹ 6,289.20
141	Cleaning washbasin/sink with acid	5	Each	₹ 16.00	₹ 0.16	₹ 16.16	₹ 80.80
142	Providing, fitting, fixing C.I. Bracket including two coats of painting.Wash basin	4	Nos	₹ 135.00	₹ 1.35	₹ 136.35	₹ 545.40
143	Providing, fitting, fixing C.I. Bracket including two coats of painting,sink	4	Nos	₹ 149.00	₹ 1.49	₹ 150.49	₹ 601.96
144	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.Flexible pipe 32 mm dia	50	Each	₹ 110.34		₹ 110.34	₹ 5,517.00
145	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour.Waste Coupling 31 mm dia of 79 mm length and 62mm breadth weighing not less than 45 gms	50	Each	₹ 106.40		₹ 106.40	₹ 5,320.00
146	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour.Waste coupling 38 mm dia of 83 mm length and 77mm breadth, weighing not less than 60 gms	10	Each	₹ 112.96		₹ 112.96	₹ 1,129.60
147	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge. Each 883.05	1	Each	₹ 955.08		₹ 955.08	₹ 955.08



148	Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	10	Each	₹ 338.80		₹ 338.80	₹ 3,388.00
149	Providing, fitting and fixing Waste C.P over brass 32 mm	5	Each	₹ 190.00	₹ 1.90	₹ 191.90	₹ 959.50
150	Providing, fitting and fixing Waste C.P over brass 40 mm	5	Each	₹ 238.00	₹ 2.38	₹ 240.38	₹ 1,201.90
151	Providing, fitting and fixing Waste polythene 32 mm	50	Each	₹ 44.00	₹ 0.44	₹ 44.44	₹ 2,222.00
152	Providing, fitting and fixing Waste polythene 40 mm	50	Each	₹ 59.00	₹ 0.59	₹ 59.59	₹ 2,979.50
153	Dismantling of C.I. sluice valve including stacking of useful materials within a lead of 50 metres Up to 150 mm diameter	1	Each	₹ 294.88		₹ 294.88	₹ 294.88
154	Dismantling of C.I. sluice valve including stacking of useful materials within a lead of 50 metres Above 150 mm diameter	1	Nos	₹ 1,092.87		₹ 1,092.87	₹ 1,092.87
155	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :20 mm nominal bore	1	Each	₹ 498.34		₹ 498.34	₹ 498.34
156	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :25 mm nominal bore	1	Each	₹ 574.43		₹ 574.43	₹ 574.43
157	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :32 mm nominal bore	1	Each	₹ 636.46		₹ 636.46	₹ 636.46
158	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :40 mm nominal bore	1	Each	₹ 762.45		₹ 762.45	₹ 762.45
159	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :50 mm nominal bore	1	Each	₹ 947.52		₹ 947.52	₹ 947.52
160	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :80 mm nominal bore	1	Each	₹ 2,403.83		₹ 2,403.83	₹ 2,403.83
161	Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) :100 mm diameter Class I	1	Each	₹ 4,233.69		₹ 4,233.69	₹ 4,233.69
162	Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be	1	Each	₹ 6,098.83		₹ 6,098.83	₹ 6,098.83



	paid separately) :150 mm diameter Class I						
163	Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) :200 mm diameter Class II	1	Each	₹ 12,531.68		₹ 12,531.68	₹ 12,531.68
164	Providing, fitting and fixing CPVC Ball Valve15 mm dia	10	Nos	₹ 99.00	₹ 0.99	₹ 99.99	₹ 999.90
165	Providing, fitting and fixing CPVC Ball Valve20 mm dia	35	Nos	₹ 152.00	₹ 1.52	₹ 153.52	₹ 5,373.20
166	Providing, fitting and fixing CPVC Ball Valve25 mm dia	25	Nos	₹ 239.00	₹ 2.39	₹ 241.39	₹ 6,034.75
167	Providing, fitting and fixing CPVC Ball Valve40 mm dia	20	Nos	₹ 533.00	₹ 5.33	₹ 538.33	₹ 10,766.60
168	Providing, fitting and fixing CPVC Ball Valve50 mm dia	25	Nos	₹ 1,128.00	₹ 11.28	₹ 1,139.28	₹ 28,482.00
169	Repairing charges for greasing C.I valves, replacing the SS spindle for valves, replacing the gland packing etc	5	Each	₹ 194.63		₹ 194.63	₹ 973.17
170	Providing and fixing gun metal non- return valve of approved quality (screwed end) :25 mm nominal bore	1	Each	₹ 545.80		₹ 545.80	₹ 545.80
171	Providing and fixing gun metal non- return valve of approved quality (screwed end) :40 mm nominal bore	1	Each	₹ 879.17		₹ 879.17	₹ 879.17
172	Providing and fixing gun metal non- return valve of approved quality (screwed end) :50 mm nominal bore	1	Each	₹ 1,265.52		₹ 1,265.52	₹ 1,265.52
173	Providing and fixing gun metal non- return valve of approved quality (screwed end) :80 mm nominal bore	1	Each	₹ 3,382.33		₹ 3,382.33	₹ 3,382.33
174	Supplying, fixing, testing and commissioning of following BUTTERFLY VALVE (MANUAL) with C I body SS disc nitrile sheet & O - ring & PN 16 pressure rating as specified.50mm	1	Set	₹ 3,310.58		₹ 3,310.58	₹ 3,310.58
175	Supplying, fixing, testing and commissioning of following BUTTERFLY VALVE (MANUAL) with C I body SS disc nitrile sheet & O - ring & PN 16 pressure rating as specified.80mm	1	Each	₹ 4,589.19		₹ 4,589.19	₹ 4,589.19
176	Supplying, fixing, testing and commissioning of following BUTTERFLY VALVE (MANUAL) with C I body SS disc nitrile sheet & O - ring & PN 16	1	Each	₹ 6,340.70		₹ 6,340.70	₹ 6,340.70



	pressure rating as specified.100mm						
177	Supplying, fixing, testing and commissioning of following BUTTERFLY VALVE (MANUAL) with C I body SS disc nitrile sheet & O - ring & PN 16 pressure rating as specified.150mm	1	Each	₹ 7,857.96		₹ 7,857.96	₹ 7,857.96
178	Supplying, fixing, testing and commissioning of following BUTTERFLY VALVE (MANUAL) with C I body SS disc nitrile sheet & O - ring & PN 16 pressure rating as specified.200mm	1	Each	₹ 14,310.83		₹ 14,310.83	₹ 14,310.83
179	Providing and fixing PTMT bib cock of approved quality and colour.	50	Each	₹ 115.93		₹ 115.93	₹ 5,796.50
180	Providing and fixing PTMT stop cock of approved quality and colour.	50	Each	₹ 109.37		₹ 109.37	₹ 5,468.50
181	Providing and fixing PTMT pillar cock of approved quality and colour	30	Each	₹ 192.41		₹ 192.41	₹ 5,772.30
182	Providing and fixing PTMT angle stop cock 15 mm nominal bore, weighing not less than 85 gms	30	Each	₹ 144.82		₹ 144.82	₹ 4,344.60
183	Providing and fixing PTMT swivelling shower, 15 mm nominal bore,	20	Each	₹ 112.06		₹ 112.06	₹ 2,241.20
184	Supplying fitting fixing of 225 mm long PTMT shower arm	10	Each	₹ 205.93		₹ 205.93	₹ 2,059.30
185	Providing and fixing PTMT, push cock of approved quality and colour.	5	Each	₹ 104.12		₹ 104.12	₹ 520.60
186	Supplying, fitting and fixing Poly Health faucet body	10	Each	₹ 367.52		₹ 367.52	₹ 3,675.20
187	Supplying, fitting and fixing Poly 1.5 mtr tube for health faucet or hand shower	5	Each	₹ 293.54		₹ 293.54	₹ 1,467.70
188	Supplying, fitting and fixing Poly 1.0 mtr tube for health faucet or hand shower	10	Each	₹ 211.77		₹ 211.77	₹ 2,117.70
189	Supplying, fitting and fixing PTMT 2 way bib cock	20	Each	₹ 501.86		₹ 501.86	₹ 10,037.20
190	Providing, fitting, fixing PVC fittings including cost of jointing materials / MTA / 15 mm dia	10	Each	₹ 10.50		₹ 10.50	₹ 105.00
191	Providing, fitting, fixing PVC fittings including cost of jointing materials / MTA / 20 mm dia	10	Each	₹ 19.09		₹ 19.09	₹ 190.90
192	Providing, fitting, fixing PVC fittings including cost of jointing materials / MTA / 25 mm dia	10	Each	₹ 27.84		₹ 27.84	₹ 278.40
193	Providing, fitting, fixing PVC fittings including cost of jointing materials / MTA / 32 mm dia	10	Each	₹ 44.61		₹ 44.61	₹ 446.10

194	Providing, fitting, fixing PVC fittings including cost of jointing materials / MTA / 40 mm dia	10	Each	₹ 44.61		₹ 44.61	₹ 446.10
195	Providing, fitting, fixing PVC fittings including cost of jointing materials / MTA / 50 mm dia	10	Each	₹ 44.61		₹ 44.61	₹ 446.10
196	Providing, fitting, fixing PVC fittings including cost of jointing materials / MTA / 80 mm dia	10	Each	₹ 44.61		₹ 44.61	₹ 446.10
197	Providing, fitting, fixing PVC fittings including cost of jointing materials / FTA / 15 mm dia	10	Each	₹ 13.17		₹ 13.17	₹ 131.70
198	Providing, fitting, fixing PVC fittings including cost of jointing materials / FTA / 20mm dia	10	Each	₹ 17.84		₹ 17.84	₹ 178.40
199	Providing, fitting, fixing PVC fittings including cost of jointing materials / FTA /25 mm dia	10	Each	₹ 17.84		₹ 17.84	₹ 178.40
200	Providing, fitting, fixing PVC fittings including cost of jointing materials / FTA / 32 mm dia	10	Each	₹ 44.41		₹ 44.41	₹ 444.10
201	Providing, fitting, fixing PVC fittings including cost of jointing materials / FTA / 40 mm dia	10	Each	₹ 55.68		₹ 55.68	₹ 556.80
202	Providing, fitting, fixing PVC fittings including cost of jointing materials / FTA / 50 mm dia	10	Each	₹ 86.75		₹ 86.75	₹ 867.50
203	Providing, fitting, fixing PVC fittings including cost of jointing materials / FTA / 80 mm dia	10	Each	₹ 251.00		₹ 251.00	₹ 2,510.00
204	Providing, fitting, fixing PVC fittings including cost of jointing materials / Coupler / 15 mm dia	15	Each	₹ 15.19		₹ 15.19	₹ 227.85
205	Providing, fitting, fixing PVC fittings including cost of jointing materials / Coupler / 20 mm dia	10	Each	₹ 21.26		₹ 21.26	₹ 212.60
206	Providing, fitting, fixing PVC fittings including cost of jointing materials / Coupler / 25 mm dia	15	Each	₹ 34.42		₹ 34.42	₹ 516.30
207	Providing, fitting, fixing PVC fittings including cost of jointing materials / Coupler / 32 mm dia	5	Each	₹ 46.94		₹ 46.94	₹ 234.70
208	Providing, fitting, fixing PVC fittings including cost of jointing materials / Coupler / 40 mm dia	10	Each	₹ 62.90		₹ 62.90	₹ 629.00
209	Providing, fitting, fixing PVC fittings including cost of jointing materials / Coupler / 50 mm dia	10	Each	₹ 97.56		₹ 97.56	₹ 975.60
210	Providing, fitting, fixing PVC fittings including cost of jointing materials / Coupler / 80 mm dia	10	Each	₹ 249.04		₹ 249.04	₹ 2,490.40
211	Providing, fitting, fixing PVC fittings including cost of jointing materials / Elbow / 15 mm dia	20	Each	₹ 22.08		₹ 22.08	₹ 441.60
212	Providing, fitting, fixing PVC fittings including cost of jointing materials / Elbow / 20 mm dia	20	Each	₹ 29.62		₹ 29.62	₹ 592.40
213	Providing, fitting, fixing PVC fittings including cost of jointing materials / Elbow / 25 mm dia	10	Each	₹ 48.28		₹ 48.28	₹ 482.80



214	Providing, fitting, fixing PVC fittings including cost of jointing materials / Elbow / 32 mm dia	10	Each	₹ 76.31		₹ 76.31	₹ 763.10
215	Providing, fitting, fixing PVC fittings including cost of jointing materials / Elbow / 40 mm dia	10	Each	₹ 104.46		₹ 104.46	₹ 1,044.60
216	Providing, fitting, fixing PVC fittings including cost of jointing materials / Elbow / 50 mm dia	15	Each	₹ 177.04		₹ 177.04	₹ 2,655.60
217	Providing, fitting, fixing PVC fittings including cost of jointing materials / Elbow / 80mm dia	10	Each	₹ 440.26		₹ 440.26	₹ 4,402.60
218	Providing, fitting, fixing PVC fittings including cost of jointing materials / Union / 15 mm dia	15	Each	₹ 42.97		₹ 42.97	₹ 644.55
219	Providing, fitting, fixing PVC fittings including cost of jointing materials / Union / 20 mm dia	10	Each	₹ 62.20		₹ 62.20	₹ 622.00
220	Providing, fitting, fixing PVC fittings including cost of jointing materials / Union / 25 mm dia	10	Each	₹ 94.22		₹ 94.22	₹ 942.20
221	Providing, fitting, fixing PVC fittings including cost of jointing materials / Union / 32 mm dia	5	Each	₹ 134.58		₹ 134.58	₹ 672.90
222	Providing, fitting, fixing PVC fittings including cost of jointing materials / Union / 40 mm dia	20	Each	₹ 220.07		₹ 220.07	₹ 4,401.40
223	Providing, fitting, fixing PVC fittings including cost of jointing materials / Union / 50 mm dia	20	Each	₹ 248.79		₹ 248.79	₹ 4,975.80
224	Providing, fitting, fixing PVC fittings including cost of jointing materials / Union / 80 mm dia	2	Each	₹ 2,073.85		₹ 2,073.85	₹ 4,147.70
225	Providing, fitting, fixing PVC fittings including cost of jointing materials / Tee / 15 mm dia	10	Each	₹ 25.56		₹ 25.56	₹ 255.60
226	Providing, fitting, fixing PVC fittings including cost of jointing materials / Tee / 20 mm dia	10	Each	₹ 42.08		₹ 42.08	₹ 420.80
227	Providing, fitting, fixing PVC fittings including cost of jointing materials / Tee / 25 mm dia	10	Each	₹ 65.16		₹ 65.16	₹ 651.60
228	Providing, fitting, fixing PVC fittings including cost of jointing materials / Tee / 32 mm dia	10	Each	₹ 95.80		₹ 95.80	₹ 958.00
229	Providing, fitting, fixing PVC fittings including cost of jointing materials / Tee / 40 mm dia	10	Each	₹ 155.85		₹ 155.85	₹ 1,558.50
230	Providing, fitting, fixing PVC fittings including cost of jointing materials / Tee / 50 mm dia	10	Each	₹ 225.42		₹ 225.42	₹ 2,254.20
231	Providing, fitting, fixing PVC fittings including cost of jointing materials / Tee / 80 mm dia	5	Each	₹ 537.31		₹ 537.31	₹ 2,686.55
232	Providing, fitting, fixing PVC fittings including cost of jointing materials / End Cap / 15 mm dia	10	Each	₹ 10.44		₹ 10.44	₹ 104.40
233	Providing, fitting, fixing PVC fittings including cost of jointing materials / End Cap / 20 mm dia	10	Each	₹ 14.75		₹ 14.75	₹ 147.50





234	Providing, fitting, fixing PVC fittings including cost of jointing materials / End Cap / 25 mm dia	10	Each	₹ 25.11		₹ 25.11	₹ 251.10
235	Providing, fitting, fixing PVC fittings including cost of jointing materials / End Cap / 32 mm dia	10	Each	₹ 29.28		₹ 29.28	₹ 292.80
236	Providing, fitting, fixing PVC fittings including cost of jointing materials / End Cap / 40 mm dia	10	Each	₹ 43.60		₹ 43.60	₹ 436.00
237	Providing, fitting, fixing PVC fittings including cost of jointing materials / End Cap / 50 mm dia	10	Each	₹ 67.70		₹ 67.70	₹ 677.00
238	Providing, fitting, fixing PVC fittings including cost of jointing materials / End Cap / 80 mm dia	10	Each	₹ 170.58		₹ 170.58	₹ 1,705.80
239	Providing, fitting, fixing PVC fittings including cost of jointing materials / uPVC to CPVC Converter / 15 mm dia	2	Each	₹ 41.13		₹ 41.13	₹ 82.26
240	Providing, fitting, fixing PVC fittings including cost of jointing materials / uPVC to CPVC Converter / 20 mm dia	2	Each	₹ 56.95		₹ 56.95	₹ 113.90
241	Providing, fitting, fixing PVC fittings including cost of jointing materials / uPVC to CPVC Converter / 25 mm dia	2	Each	₹ 86.05		₹ 86.05	₹ 172.10
242	Providing, fitting, fixing PVC fittings including cost of jointing materials / uPVC to CPVC Converter / 32 mm dia	2	Each	₹ 136.04		₹ 136.04	₹ 272.08
243	Providing, fitting, fixing PVC fittings including cost of jointing materials / uPVC to CPVC Converter / 40 mm dia	2	Each	₹ 235.38		₹ 235.38	₹ 470.76
244	Providing, fitting, fixing PVC fittings including cost of jointing materials / uPVC to CPVC Converter / 50 mm dia	2	Each	₹ 249.30		₹ 249.30	₹ 498.60
245	Providing, fitting, fixing PVC fittings including cost of jointing materials / Threaded Plug / 15 mm dia	1	Each	₹ 5.26		₹ 5.26	₹ 5.26
246	Providing, fitting, fixing PVC fittings including cost of jointing materials / Threaded Plug / 20 mm dia	1	Each	₹ 12.53		₹ 12.53	₹ 12.53
247	Providing, fitting, fixing PVC fittings including cost of jointing materials / Threaded Plug / 25 mm dia	1	Each	₹ 21.14		₹ 21.14	₹ 21.14
248	Providing, fitting, fixing PVC fittings including cost of jointing materials / Threaded Plug / 32 mm dia	1	Each	₹ 27.21		₹ 27.21	₹ 27.21
249	Dismantling & refixing bib cock, stop cock, shower, pillar cock, fixing old/new taps	150	Each	₹ 12.00	₹ 0.12	₹ 12.12	₹ 1,818.00
250	Rewashing stop cock/ bib cock/ push cock/ pillar cock including gland 15 mm	25	Each	₹ 13.00	₹ 0.13	₹ 13.13	₹ 328.25

251	Supplying fitting fixing Poly health faucet set special 2 in 1 with 1.5 mtr tube and hook	30	each	₹ 612.83		₹ 612.83	₹ 18,384.90
252	C.P. Health faucet institute approved make with 1mtr tube and wall hook	30	Each	₹ 1,251.00	₹ 12.51	₹ 1,263.51	₹ 37,905.30
253	Renewing P.V.C. clip with necessary screws.15 mm dia	10	Each	₹ 9.00	₹ 0.09	₹ 9.09	₹ 90.90
254	Renewing P.V.C. clip with necessary screws.20 mm dia	10	Each	₹ 11.00	₹ 0.11	₹ 11.11	₹ 111.10
255	Renewing P.V.C. clip with necessary screws.25 mm dia	10	Each	₹ 16.00	₹ 0.16	₹ 16.16	₹ 161.60
256	Renewing P.V.C. clip with necessary screws.40 mm dia	10	Each	₹ 22.00	₹ 0.22	₹ 22.22	₹ 222.20
257	Renewing P.V.C. clip with necessary screws.50 mm dia	10	Each	₹ 25.00	₹ 0.25	₹ 25.25	₹ 252.50
258	Dismantling and refixing shower rose after cleaning	12	Each	₹ 12.00	₹ 0.12	₹ 12.12	₹ 145.44
259	Renewing brass spindle and valve of stop cock/bib cock/push cock/pillar15 mm dia	5	Each	₹ 74.00	₹ 0.74	₹ 74.74	₹ 373.70
260	Renewing brass spindle and valve of stop cock/bib cock/push cock/pillar20 mm dia	5	Each	₹ 93.00	₹ 0.93	₹ 93.93	₹ 469.65
261	Attending breakdown jobs beyond office hours including cutting road, hard rock etc for exposing G.I/C.I/P.V.C pipe line , removing mud slushy earth , bailing out water etc. Required for jobs in connection with water supply maintenance under specific requirement from EIC at various places	365	Nos	₹ 627.85		₹ 627.85	₹ 2,29,166.09
262	.Water supply checking/water meter checking at any place of academic campus Zone-1	20	Nos	₹ 170.30		₹ 170.30	₹ 3,406.10
263	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :15 mm nominal bore	1	Each	₹ 467.77		₹ 467.77	₹ 467.77
264	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.15 mm nominal bore	1	Each	₹ 737.35		₹ 737.35	₹ 737.35
265	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.15 mm nominal bore	1	Each	₹ 618.77		₹ 618.77	₹ 618.77
266	Supplying, fitting and fixing Chromium plated Pillar Cock Super Deluxe with Aerator institute approved brand	1	Each	₹ 592.00	₹ 5.92	₹ 597.92	₹ 597.92
267	Supplying, fitting and fixing Chromium plated Stop Cock institute approved brand.	1	Each	₹ 493.00	₹ 4.93	₹ 497.93	₹ 497.93





268	Supplying, fitting and fixing Chromium plated angular Stop Cock with wall flange institute approved brand.	1	Each	₹ 815.00	₹ 8.15	₹ 823.15	₹ 823.15
269	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	2	Each	₹ 69.01		₹ 69.01	₹ 138.02
270	Chromium plated shower arm 240 mm long	10	Each	₹ 309.00	₹ 3.09	₹ 312.09	₹ 3,120.90
271	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings :Surgeon type wash basin of size 660x460 mm	1	Nos	1676.33		₹ 1,676.33	₹ 1,676.33
272	Providing and fixing white vitreous china laboratory sink including making all connections excluding cost of fittings :Size 600x450x200 mm	1	Each	₹ 3,763.41		₹ 3,763.41	₹ 3,763.41
273	Providing and fixing white vitreous china laboratory sink including making all connections excluding cost of fittings Size 450x300x150 mm	1	Each	2319.11		₹ 2,319.11	₹ 2,319.11
274	Repairing of wall mixer diverter etc including taken out from its position and refixing the same	1	Each	₹ 340.61		₹ 340.61	₹ 340.61
275	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality 15 mm nominal bore	1	Each	₹ 530.02		₹ 530.02	₹ 530.02
276	Welding by gas or electric plant including transportation of plant at site etc. complete.	50	cm	₹ 3.40		₹ 3.40	₹ 170.00
277	Providing and fixing bolts including nuts and washers complete.	25	kg	₹ 147.07		₹ 147.07	₹ 3,676.75
278	Supply of E.R.W.M.S.(Electrical Resistant Welded M.S.) black pipe (heavy quality) as per standard specification, 5 mm thick. 100 mm dia. (internal)	1	Mtr	₹ 1,045.00	₹ 10.45	₹ 1,055.45	₹ 1,055.45
279	Supply of E.R.W.M.S.(Electrical Resistant Welded M.S.) black pipe (heavy quality) as per standard specification, 5 mm thick. 150 mm dia. (internal)	1	Mtr	₹ 1,522.00	₹ 15.22	₹ 1,537.22	₹ 1,537.22
280	Supply of E.R.W.M.S.(Electrical Resistant Welded M.S.) black pipe (heavy quality) as per standard specification, 5 mm thick. 200 mm dia. (internal)	1	Mtr	₹ 1,818.00	₹ 18.18	₹ 1,836.18	₹ 1,836.18
281	Supply of E.R.W.M.S.(Electrical Resistant Welded M.S.) black pipe (heavy quality) as per standard specification, 5 mm thick. 250 mm dia. (internal)	1	Mtr	₹ 2,494.00	₹ 24.94	₹ 2,518.94	₹ 2,518.94



282	Supply of E.R.W.M.S.(Electrical Resistant Welded M.S.) black pipe (heavy quality) as per standard specification, 5 mm thick. 300 mm dia. (internal)	1	Mtr	₹ 3,345.00	₹ 33.45	₹ 3,378.45	₹ 3,378.45
283	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.Internal work - Exposed on wall 15 mm dia nominal bore	1	Mtr	₹ 338.14		₹ 338.14	₹ 338.14
284	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.Internal work - Exposed on wall 20 mm dia nominal bore	1	Mtr	₹ 403.60		₹ 403.60	₹ 403.60
285	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.Internal work - Exposed on wall 25 mm dia nominal bore	1	Mtr	₹ 509.17		₹ 509.17	₹ 509.17
286	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.Internal work - Exposed on wall 32 mm dia nominal bore	1	Mtr	₹ 584.67		₹ 584.67	₹ 584.67
287	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.Internal work - Exposed on wall 40 mm dia nominal bore	1	Mtr	₹ 749.32		₹ 749.32	₹ 749.32
288	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.Internal work - Exposed on wall 50 mm dia nominal bore	1	Mtr	₹ 967.56		₹ 967.56	₹ 967.56
289	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.External work 15 mm dia nominal bore	1	Mtr	₹ 297.33		₹ 297.33	₹ 297.33
290	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.External work 20 mm dia nominal bore	1	Mtr	₹ 340.19		₹ 340.19	₹ 340.19
291	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.External work 25 mm dia nominal bore	1	Mtr	₹ 431.70		₹ 431.70	₹ 431.70
292	Providing and fixing G.I. pipes complete with G.I. fittings including	1	Mtr	₹ 498.66		₹ 498.66	₹ 498.66



	trenching and refilling etc.External work 32 mm dia nominal bore						
293	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.External work 40 mm dia nominal bore	1	Mtr	₹ 569.51		₹ 569.51	₹ 569.51
294	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.External work 50 mm dia nominal bore	1	Mtr	₹ 704.64		₹ 704.64	₹ 704.64
295	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.External work 80 mm dia nominal bore	1	Mtr	₹ 961.41		₹ 961.41	₹ 961.41
296	Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if required will be paid separately)50 mm dia	1	Each	₹ 4,778.23		₹ 4,778.23	₹ 4,778.23
297	Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if required will be paid separately)80 mm dia	1	Each	₹ 5,804.71		₹ 5,804.71	₹ 5,804.71
298	Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if required will be paid separately)100 mm dia	1	Each	₹ 7,271.10		₹ 7,271.10	₹ 7,271.10
299	Fixing water meter and stop cock in G.I. pipe line including cutting and threading the pipe and making long screws etc. complete (cost of water meter and stop cock to be paid separately).	10	Each	₹ 749.71		₹ 749.71	₹ 7,497.10
300	Providing and fixing enclosed type water meter (bulk type) conforming to IS : 2373 and tested by Municipal Board complete with bolts, nuts, rubber insertions etc. (The tail pieces if required will be paid separately) : 80 mm dia nominal bore	1	Each	₹ 3,066.83		₹ 3,066.83	₹ 3,066.83



301	Providing and fixing enclosed type water meter (bulk type) conforming to IS : 2373 and tested by Municipal Board complete with bolts, nuts, rubber insertions etc. (The tail pieces if required will be paid separately) : 100 mm dia nominal bore	1	Each	₹ 4,625.68		₹ 4,625.68	₹ 4,625.68
302	Providing and fixing enclosed type water meter (bulk type) conforming to IS : 2373 and tested by Municipal Board complete with bolts, nuts, rubber insertions etc. (The tail pieces if required will be paid separately) : 150 mm dia nominal bore	1	Each	₹ 7,069.83		₹ 7,069.83	₹ 7,069.83
303	Providing and fixing enclosed type water meter (bulk type) conforming to IS : 2373 and tested by Municipal Board complete with bolts, nuts, rubber insertions etc. (The tail pieces if required will be paid separately) : 200 mm dia nominal bore	1	Each	₹ 7,610.21		₹ 7,610.21	₹ 7,610.21
304	Supply fitting fixing PVC Ball valve 15 mm dia	10	Each	₹ 173.27		₹ 173.27	₹ 1,732.70
305	Supply fitting fixing PVC Ball valve 20 mm dia	30	Each	₹ 228.22		₹ 228.22	₹ 6,846.60
306	Supply fitting fixing PVC Ball valve 25 mm dia	20	Each	₹ 302.45		₹ 302.45	₹ 6,049.00
307	Supply fitting fixing PVC Ball valve 32 mm dia	2	Each	₹ 617.35		₹ 617.35	₹ 1,234.70
308	Supply fitting fixing PVC Ball valve 40 mm dia	5	Each	₹ 748.82		₹ 748.82	₹ 3,744.10
309	Supply fitting fixing PVC Ball valve 50 mm dia	20	Each	₹ 1,117.17		₹ 1,117.17	₹ 22,343.40
310	Supplying rubber insertions for 75 mm dia pipe joints	2	Each	18		₹ 18.00	₹ 36.00
311	Supplying rubber insertions for 100mm dia pipe joints	2	Each	₹ 20.00		₹ 20.00	₹ 40.00
312	Supplying rubber insertions for 150 mm dia pipe joints	2	Each	₹ 19.00		₹ 19.00	₹ 38.00
313	Supplying rubber insertions for 200 mm dia pipe joints	2	Each	₹ 24.00		₹ 24.00	₹ 48.00
314	Supplying rubber insertions for 250 mm dia pipe joints	4	Each	₹ 38.00		₹ 38.00	₹ 152.00
315	Supplying rubber insertions for 300 mm dia pipe joints	2	Each	₹ 40.00		₹ 40.00	₹ 80.00
316	Cutting road and making good the same including supply of extra quantities of materials i.e. aggregate, moorum screening, red bajri and labour required.bituminous portion	2	cum	₹ 4,185.15		₹ 4,185.15	₹ 8,370.30
317	Providing, fitting, fixing PVC fittings including cost of jointing	20	Nos	₹ 149.33		₹ 149.33	₹ 2,986.60



	materials / urinal spreader 15 mm						
318	Providing, fitting, fixing PVC fittings including cost of jointing materials / tank nipple 50 mm dia	15	Nos	₹ 156.92		₹ 156.92	₹ 2,353.80
319	Providing fitting fixing approved make CP Auto Closing Concealed Urinal Flush Valve	1	Each	₹ 2,739.05		₹ 2,739.05	₹ 2,739.05
320	Providing fitting fixing approved make CP Pillar Cock Auto Closing System	2	Each	₹ 2,320.91		₹ 2,320.91	₹ 4,641.82
321	Providing fitting fixing approved make CP Bib Cock Auto Closing System	2	Each	₹ 2,365.94		₹ 2,365.94	₹ 4,731.88
322	Providing fitting fixing approved make CP Urinal Valve Auto Closing System	2	Each	₹ 2,410.97		₹ 2,410.97	₹ 4,821.94
323	Providing, fitting, fixing Wall Mixer 3-in-1 System with Provision for both Hand Shower and Overhead Shower Complete with 115mm Long Bend Pipe, Connecting Legs & Wall Flange (without Hand & Overhead Shower)	1	Each	₹ 7,408.03		₹ 7,408.03	₹ 7,408.03
324	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	200	day	₹ 14.51		₹ 14.51	₹ 2,902.00
325	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	100	day	₹ 7.39		₹ 7.39	₹ 739.00
326	Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) :250 mm diameter Class II	1	Each	₹ 20,593.28		₹ 20,593.28	₹ 20,593.28
327	Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if required will be paid separately) : 80 mm dia	1	Each	₹ 5,804.61		₹ 5,804.61	₹ 5,804.61
328	Providing and fixing C.I. double acting air valve of approved quality with bolts, nuts, rubber insertions etc. complete (The tail pieces, tapers etc if required will be paid separately) : 100 mm dia	1	Each	₹ 7,391.46		₹ 7,391.46	₹ 7,391.46
						Total Rs.	₹ 21,03,230.12
						Say Rs.	₹ 21,03,230.00