

**INSTITUTE WORKS DEPARTMENT  
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

**E-TENDER DOCUMENT**

**For**

**“Outsourcing Services for Maintenance of Water Supply Works at IIT Roorkee.”**



**Indian Institute of Technology Roorkee**  
Roorkee-247667, Tel.no. 01332-28-5386/5747

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# INSTITUTE WORKS DEPARTMENT INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

No. IWD/DI/etender/WS/Outs/18

Dated: 10.02.2023

## NOTICE INVITING TENDER

On behalf of BOG, I.I.T. Roorkee, online Tenders (Percentage Rate) are invited in two Bid systems (Technical and Financial) from competent, experienced and resourceful contractors having experience of working in Government, Public Sector undertaking/ Autonomous Organization of the Central/State Government for the work detailed below:

Name of the Work	Estimated Cost (Approx.)	Completion Period (Months)
“Outsourcing Services for Maintenance of Water Supply Works at IIT Roorkee”.	₹ 70.93 Lacs	12 Months

- Interested eligible Bidders may obtain further information from IIT Roorkee website <http://mm.iitr.ac.in/mmweb/tenders> and from Central Public Procurement Portal (CPPP) <https://eprocure.gov.in/eprocure/app>.
- Intending bidders are advised to visit IIT Roorkee website <http://mm.iitr.ac.in/mmweb/tenders> and Central Public Procurement Portal (CPPP) <https://eprocure.gov.in/eprocure/app> regularly till closing date of BID submission of tender for any corrigendum / addendum/ amendment.

## Critical Data Sheet

Sr. No.	Name of Organization	Indian Institute of Technology Roorkee
1	Tender Type (Open/Limited/EOI/Auction/Single)	Open
2	Tender Category (Services/Goods/Works)	Works
3	Type/Form of Contract (Works/Supply/ Auction/ Service/ Buy/ Empanelment/ Sell)	Works
4	Product Category (Civil Works/Electrical Works / Fleet Management / Computer Systems/ Manpower Supply)	Job Works
5	Date of Issue/Publishing Original Tender	14-Feb-2023 (17:30 Hrs.)
6	Document Download / Sale Start Date	14-Feb-2023 (17:30 Hrs.)
7	Pre-bid Meeting	NA
8	Seek Clarification Start Date	14-Feb-2023 (17:30 Hrs.)
9	Seek Clarification End Date	22-Feb-2023 (12:30 Hrs.)
10	Bid Submission Start Date	27-Feb-2023 (12:30 Hrs.)
11	Bid Submission Closing Date	07-Mar-2023 (12:30 Hrs.)
12	Bid Opening Date	09-Mar-2023 (12:30 Hrs.)
13	Tender Fee	Tender fee of <b>Rs.1000.00</b> (non-refundable) in the form of RTGS/NEFT transfer to IIT Roorkee <b>Account No: 00000032685865515</b> , State Bank of India, Branch - IIT Roorkee, <b>IFSC Code: SBIN0001069</b> , <b>MICR Code: 247002094</b> and copy of the deposit receipt shall be uploaded on e-tender.
14	EMD	<b>Rs. 1,41,860/-</b> to be submitted in the in the form of RTGS/NEFT transfer to IIT Roorkee <b>Account No: 00000032685865515</b> , State Bank of India, Branch - IIT Roorkee, <b>IFSC Code: SBIN0001069</b> , <b>MICR Code:247002094</b> and copy of the deposit receipt shall be uploaded on e-tender.
15	Performance Guarantee (3%)	3% of awarded value shall be submitted in the form of Bankers Cheque / DD / FDR / Bank Guarantee in the

		name of Institute Engineer, IIT Roorkee after issue of Letter of Acceptance (LOA).
16	Security Deposit (5%)	5% of awarded value shall be submitted in the form of Bankers Cheque / DD/FDR / Bank Guarantee in the name of Institute Engineer, IIT Roorkee after issue of Letter of Acceptance (LOA).
17	No. of Covers (1/2/3/4)	02 (Cover-1 for Technical+ Cover-2 for Financial)
18	Bid Validity Days (180/120/90/60/30)	90 days (from last date of opening of tender)
19	<b>Documents to be uploaded on CPP Portal (<a href="http://eprocure.gov.in/eprocure/app">http://eprocure.gov.in/eprocure/app</a>)(related to eligibility criteria) on or before due date of submission of tender.</b>	<ol style="list-style-type: none"> <li>1) Affidavit (on Rs.10 non judicial stamp with notarized) regarding establishment of proprietorship firm / partnership deed / letter of incorporation for private ltd / ltd firm with written power of attorney (in case of bidder is owner, not required) of the authorized signatory.</li> <li>2) Self-certified copy of work orders along with work completion certificate as per eligibility criteria.</li> <li>3) <b>Proof of online deposit of</b> tender fee and EMD. For tender fee &amp; EMD exemption NSIC/MSE certificate comprising relevant category of work should be uploaded</li> <li>4) Solvency certificate as per the tender document.</li> <li>5) Turnover certificate from <b>CA preferably with UDIN Number</b>, GST registration certificate, PAN card.</li> <li>6) ESI registration certificate &amp; EPF registration certificate.</li> <li>7) Qualifying information (Annexure-A) and Notarized undertaking on Rs. 100 non-judicial stamp paper as per the NIT.</li> </ol>
20	<b>Price Bid</b>	To be uploaded only on CPP Portal ( <a href="http://eprocure.gov.in/eprocure/app">http://eprocure.gov.in/eprocure/app</a> ) in excel sheet.
21	Address for submission of documents or other communication.	<b>Executive Engineer (E/M), Institute Works Department, James Thomson Building, IIT Roorkee, Roorkee-247667 (India), Tel. No. 01332-28 5386 / 5747</b>
22	Email Address	<a href="mailto:ee-electrical@iitr.ac.in">ee-electrical@iitr.ac.in</a> / <a href="mailto:neeraj.aee2018@iitr.ac.in">neeraj.aee2018@iitr.ac.in</a>

**23. Clarification of Bids/ Shortfall Documents:** IIT Roorkee may, at its discretion, ask the bidder for clarifications / shortfall documents related to his bid. The request for clarification shall be given in writing. Depending on the reply of the bidder, his bid shall be ignored or considered further.

**24. In case any information furnished by the bidder is found to be false / forged / incorrect at any stage, their bid shall be rejected and further action e.g. debarring from participating in future tenders, blacklisting etc. may be taken.**

**Sd-  
Institute Engineer,  
IWD, IIT Roorkee**

## **INSTRUCTIONS FOR ONLINE BID SUBMISSION**

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

### **1.0 Registration**

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

### **2.0 Searching for Tender Documents**

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

### **3.0 Preparation of Bids**

- 3.1 Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 3.2 Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and 4 content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3.3 Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black and white option.
- 3.4 To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

### **4.0 Submission of Bids**

- 4.1 Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.

- 4.2 The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 4.3 Bidder shall submit tender fee as per critical data sheet
- 4.4 A standard BOQ format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BOQ file, open it and complete the light blue coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.
- 4.5 The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 4.6 All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done.
- 4.7 The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 4.8 Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 4.9 Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

#### **5.0 Assistance to Bidders**

- 5.1 Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority to the address provided in Critical Data Sheet for a tender or the relevant contact person indicated in the tender.
- 5.2 Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 0120-4001062 / 0120-4001002 / 0120-4001005 / 0120-6277787

#### **6.0 General Instructions to the Bidders**

- 6.1 The tenders will be received online through portal <http://eprocure.gov.in/eprocure/app> . In the Technical Bids, the bidders are required to upload all the eligibility criteria documents in .pdf format.
- 6.2 Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/etoken in the company's name is a prerequisite for registration and participating in the bid submission activities through <https://eprocure.gov.in/eprocure/app>. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site <https://eprocure.gov.in/eprocure/app> under the link "Information about DSC".
- 6.3 Tenderer are advised to follow the instructions provided in the 'Instructions to the Tenderer for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app>.

## INFORMATION AND INSTRUCTIONS TO BIDDERS

Institute Works Department (IWD), IIT Roorkee invites the online Tender (Percentage Rate) from competent, experienced and resourceful contractors having experience of working in Government, Public Sector Undertaking / Autonomous Organization of the Central / State Government for the work of “**Outsourcing Services for Maintenance of Water Supply Works at IIT Roorkee**”.

- 1.1 The work is estimated to cost as mentioned in the NIT. The estimate however, is given merely as a rough guide.
- 1.2 Intending bidder is eligible to submit the bid provided, if he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:

### **1.2.1 Criteria of eligibility for submission of bid documents:**

- (a) Intending bidder should not be a joint venture (Self Certified copy of relevant documents clearly establishing the status of bidder to be uploaded in Cover-1).
- (b) Should have successfully completed works during last seven years ending last day of the month previous to the one in which applications are invited. **The works completed up to previous day of last date of submission of tenders shall also be considered.**

Three similar completed works costing not less than the amount equal to 40% of the estimated cost put to tender,

or

Two similar completed works costing not less than the amount equal to 60% of the estimated cost put to tender.

or

One similar completed work of aggregate cost not less than the amount equal to 80% of the estimated cost. (Self-Certified photocopy of work order along with work completion certificate to be uploaded as proof of eligibility criteria in Cover-1)

Work completion certificate should have been issued by an officer not less than the rank of Executive Engineer / equivalent and must contain name of the work, date of start, date of actual completion and amount of work executed.

**Explanation:** 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 last date of receipt of applications for this tender.

Similar work means “**Outsourcing Services for Water Supply Works**”

- (c) Average annual financial turn over on should be at least 50% of the estimated cost during last three consecutive financial years duly audited by a Chartered Accountant (Self Certified photocopy of certificate from **CA preferably with UDIN Number** to be uploaded in Cover-1). The year in which no turnover is shown would also be considered for working out the average.
  - (d) Should have a solvency certificate of the amount equal to 40% of the estimated cost of the work issued by a scheduled bank during **last one year**. (Certified copy of original solvency certificate to be uploaded in Cover-1).
2. Agreement shall be drawn with the successful bidder on prescribed format.
  3. The time allowed for carrying out the work will be as per the NIT from the date of start as defined in Award of Work or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in tender documents.
  4. The site for the work is available / shall be made available for start of the work.
  5. The Tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary

documents can be seen / downloaded from IIT Roorkee website <http://mm.iitr.ac.in/mmweb/tenders> or from Central Public Procurement Portal (CPPP) <http://eprocure.gov.in/app>.

6. While submitting the bids, bidder can revise the rate, but before last date and time of submission of bids as notified. In this case, the last submitted bid before the last date and time will only be considered.
7. The scanned copies of documents as per critical data sheet shall be uploaded under Cover-1 on the e-tendering website.
8. Documents as mentioned in critical data sheet shall be placed in an envelope with due mention of Name of work, date & time of opening of Tenders and is to be submitted in the office of Executive Engineer, IWD, IIT Roorkee on or before last date and time of submission of bids. Kindly note that in case of any discrepancy regarding uploaded documents in cover-1 and physically submitted documents in the office, the uploaded documents shall be considered as final. Kindly note that no financial bid in physical format is to be submitted with cover-1 in the office of IWD, IIT Roorkee. Financial bid is to be uploaded under cover-2 only on the e-tendering website. Online Financial Bids submitted by intending bidders shall be opened only of those bidders, whose bid found technically qualified.
9. The bid submitted shall become invalid and cost of bid & tender processing fee shall not be refunded if: (i) the bidder is found ineligible. (ii) The bidder does not provide all the documents (including PAN No., GST registration etc.) as stipulated in the bid document.
10. Intending bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their Tender. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent upon any misunderstanding or otherwise shall be allowed. The bidder shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Institute and local conditions and other factors having a bearing on the execution of the work. Cost of site visit shall be borne by the bidder.
11. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidder shall be summarily rejected.
12. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the Tenders submitted by the bidders who resort to canvassing will be liable to rejection.
13. The bidder shall not be permitted to tender for works in the IWD, IIT Roorkee, if his near relative is posted as an officer in any capacity between the grades of Dean Infrastructure and Junior Engineer (both inclusive). Any breach of this condition by the bidder would render him liable to be removed from the Tendering process.
14. No Engineer of gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to act as a bidder within a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the bidder or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the bidder's service.
15. The bid for the works shall remain open for acceptance for a period of 90 days from the date of opening of financial bids. If any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the Indian Institute of Technology Roorkee, then Indian Institute of Technology Roorkee, without prejudice to any other right or remedy, be at liberty to forfeit the earnest money deposit. Further, the bidder shall not be allowed to participate in the re-bidding process of the work.
16. The notice inviting bid shall form part of the contract document. The successful bidder, on acceptance of his bid by the Accepting Authority, have to sign the contract consisting of "The Notice Inviting bid, all the documents including Special Conditions, General Specifications/ Particular Specifications and drawings, if any, forming part of the bid as submitted at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto within 15 days from the stipulated date of start of the work.



17. **Composite Tender(if applicable)**
- 17.1 The competent authority is calling this bid for the composite work.
  - 17.2 The eligible bidders have to quote rates for all items given in the schedule of quantity.
  - 17.3 After acceptance of the bid by competent authority, **Institute Engineer, IWD, IIT Roorkee** shall issue letter of Acceptance (LoA) on behalf of the Institute. After issue of LoA, the bidder will have to enter into one agreement with **Institute Engineer**.
  - 17.4 Entire work under the scope of composite tender including major and all minor components shall be executed under one agreement.
  - 17.5 Security Deposit will be worked out separately for each component corresponding to the quoted/accepted cost of the respective component of works.
  - 17.6 The bidder may associate agency(s) for minor component(s) conforming to eligibility criteria as defined in the tender document and has to submit detail of such agency(s) to Dean Infrastructure. Name of the agency(s) to be associated shall be approved by Dean Infrastructure. Before engaging such associate agencies bidder has to inform to Dean Infrastructure along with his past experience and all credential's and got the approval of the same from him.
  - 17.7 In case the bidder intends to change any of the above agency/ agencies during the operation of the contract, he shall obtain prior approval of respective Dean Infrastructure. The new agency/ agencies shall also have to satisfy the laid down eligibility criteria. In case Dean Infrastructure is not satisfied with the performance of any agency, he can direct the bidder to change the agency and this shall be binding on the bidder.
  - 17.8 The main bidder has to enter into agreement with bidder(s) associated by him for execution of minor component(s). Copy of such agreement shall be submitted to Engineer-in-charge In case of change of associate bidder, the main bidder has to enter into agreement with the new bidder associated by him.
  - 17.9 The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer-in-charge of major component after record of completion certificate of all other components. Final bill of whole work shall be finalized by IWD, IIT Roorkee.
  - 17.10 It will be obligatory on the part of the bidder to sign the tender documents for all components before the first payment is released.

## **A: GENERAL INSTRUCTIONS**

### **1. Scope of Tender.**

- 1.1 Indian Institute of Technology Roorkee (referred to as Owner in these documents) invites Tender as defined in these documents and referred to as “the works” detailed in the table given in the Notice Inviting Tenders (NIT).
- 1.2 The successful Bidder shall complete the works within the completion date specified in the Notice Inviting Tenders (NIT).

### **2. Non Association / Relation**

- 2.1 All bidders shall provide in the bid tender and Qualification Information, a statement that the Bidder is not associated, nor has been associated in the past, directly or indirectly, with the Indian Institute of Technology Roorkee or any other entity that has prepared the design, specifications, and other documents for the Project.

### **3. Qualification of the Bidder**

- 3.1 All Bidders shall provide tender qualification information.
- 3.2 All Bidders shall include the following information by submitting relevant documents and certificate with their tenders: The Bidder must be registered with the GST Department and should submit the registration certificate (if applicable) of GST, ESI, PF etc.

### **4. Cost of tendering**

- 4.1 The Bidder shall bear all costs associated with the preparation and submission of his tender, and the Owner will in no case be responsible and liable for those costs.
- 4.2 The Bidder, at its own responsibility and risk is encouraged to visit and examine the Site of Work and its surroundings and obtain all information that may be necessary for preparing the tender. The costs of visiting the Site shall be at the Bidder’s own expense.

## **B: DOCUMENTS INVITING TENDERS**

### **5. Invitation: Tenders** are hereby invited on behalf of Indian Institute of Technology Roorkee.

### **6. Contents of documents as mentioned in the relevant clauses mentioned:**

The Bidder shall be deemed to have examined all instructions, forms, terms, and specifications in the Documents. Failure to furnish the information required in the Tender Document or submission of a Bid not substantially responsive to the Tender Documents in every respect will be at the Bidder’s risk and may result in the rejection of the bid.

The several documents forming the contract are to be taken as mutually explanatory of one another, detailed drawings being followed in preference to small scale drawing and figured dimensions in preference to scale and Special Conditions in preference to General Conditions.

In case of any discrepancy between the Schedule of Quantities, the specifications and/ or the drawings, given in the tender document the following order of preference shall be observed:

1. Description of Schedule of Quantities.
2. Particular Specification and Special condition, if any.
3. Drawings.
4. C. P. W. D. specifications/ IWD, IIT ROORKEE specification.
5. Latest edition Indian Standard Specifications of B. I. S.

### **7. Amendment of Tendering Documents**

- 7.1 Before the deadline for submission of bids, the Indian Institute of Technology Roorkee may modify the Tender documents by issuing addenda/corrigendum.
- 7.2 Any addendum thus issued shall be part of the Tendering documents and shall be uploaded on e-Tendering website <https://eprocure.gov.in/eprocure/app> and Institute website <http://mm.iitr.ac.in/mmweb/tenders>.
- 7.3 To give prospective Bidders reasonable time in which to take an addendum / corrigendum into account in preparing their bid, the IIT Roorkee may extend if necessary the deadline for submission of tenders.

## **C: PREPARATION OF DOCUMENT**

- 8. Earnest Money Deposit (EMD):** EMD as per critical data sheet must accompany each bid. Bids not accompanying with EMD and conditional acceptance letter will be summarily rejected. The EMD of the unsuccessful Bidders will be discharged / returned within Thirty (30) days from the date of opening of the bids. The EMD of the successful Bidder shall be converted as Security deposit. The EMD may be forfeited, if the Bidder withdraws his bid during the validity period of the bid or in case of a successful Bidder, if the Bidder fails to sign the contract or furnish performance guarantee.
- 9. Period of validity of bid:** The bids shall remain valid for a period of 90 days after the date of opening of bid. A bid valid for a shorter period shall be rejected by the Indian Institute of Technology Roorkee as non-responsive.
- 10. Language of Bid:** The document shall be written in English/Hindi language. The total amount should be written in the same language.
- 11. Document comprising the E-Tender:** No page of this tenders document shall be removed and the set must be submitted as it is. Each page of the tenders document form is to be signed by the Bidder and must bear the Seal of the Company/Firm.

**The tender submitted by the Bidder shall comprise as mentioned above in relevant sections.**

### **12. Tender Prices**

- 12.1 The contract shall be for the whole works as described in priced Schedule of Quantities submitted by the Bidder.
- 12.2 The tender submitted on behalf of firm shall be signed by a person who has the proper legal authority on behalf of the firm to enter into the contract; otherwise, the bid is liable to be rejected. Each page of the tender document and each drawing accompanying is required to be signed by the authorized person submitting the bid, with the company seal as the token of their having examined and acquainted themselves with the General conditions of contract, drawings, specifications, special conditions of contract etc. The forms of tender are to be filled in completely. Any bid with any of the documents not signed is liable to be rejected.
- 12.3 The Bidder shall fill in the percentage rate/in rates for items of the Works described in the Schedule of Quantities along with total bidding price. In case if the rates are not filled for any of the Items of Schedule of Quantities, in such cases the tender shall be summarily rejected. Failure to comply with either of these conditions will make the bid liable for rejection.
- 12.4 The work shall be carried out by the Bidder in a manner complying in all respect with the requirement of relevant bye-laws/orders of the Local/Municipal bodies and pay all fees and charges which may be leviable at his own cost. The completion/ occupancy certificates including clearance from fire committee or any other statutory obligation shall be arranged by the bidder. Any official fees shall be paid by the Owner. All other cost of liasoning shall be borne by the bidder.
- 12.5 **Taxes:** All duties, taxes, and other levies payable by the Bidder under the contract, or for any other cause, shall be included in the rates, prices and total Bidding Price submitted by the Bidder. Bidders must include in their rates, the cost of transportation of materials to site, GST, labour Cess as per Building & other construction workers cess act, excise duty, octroi, and any other tax and duty levied by the Central / State Government. None of the above taxes & levies will be entertained by the Owner and no tax exemption forms will be issued by the Owner.
- 12.6 **Labour Cess or BOCWW Cess:** Labour cess @1% shall be deducted from each bill.
- 12.7 Bidder should also take a Group Insurance Policy for his Workmen, Supervisors and Engineers working on site for an adequate insurance cover. Indian Institute of Technology Roorkee shall not be responsible for any accident or happening of any untoward/unforeseen event involving workmen, labour, supervisor or engineer or any person directly or indirectly associated with the execution of work. The insurance policy to be obtained by the successful Bidder must be comprehensive and shall cover all associated risks (known and unknown).
- 12.8 The rates quoted in the tender shall include cost of electrical power supply, water supply, cost of all materials, labour, telephone, rent and call charges, water and meter rent charges, temporary electric wiring / lighting for execution of work at site, hire for any tools and plants, shed for materials,

marking out and clearing of site, transportation complete in all respects. The rates quoted in the tender shall be treated as rate for finally completing the item of work.

- 12.9 The quantities furnished in the schedule of quantities are only probable quantities and are liable to alterations, by omission, deductions or additions to any extent at the discretion of Indian Institute of Technology Roorkee. Payments will be regulated on the actual quantities of work done at accepted rates.
- 12.10 Errors in the Schedule of Quantities shall be dealt with in the following manner:
- i. In the event of a discrepancy between the rates quoted in words and the rates in figures, rate quoted in words shall be considered to be correct.
  - ii. In the event of an error occurring on account of arithmetical calculations the same shall be corrected according to rates written in words and quantities in B.O.Q.
  - iii. All the errors in totaling in the amount column and in carrying forward the totals shall be corrected. The tender total shall be accordingly amended. If the bidder doesn't accept the corrected amount the tender will be rejected.
- 12.11 The calculations made by the bidder should be based upon quantities of the items of work which are furnished in the Schedule of Quantities, but it must be clearly understood that the contract is not a lump sum contract. The Owners do not in any way assure, represent or guarantee that the said probable quantities are correct or that the work would correspond thereto. The items of work irrespective of the quantities which may vary shall be carried out at the same accepted bidding tender rates and no escalation in the rates will be entertained whatsoever. Any item of work may be omitted from the schedule of quantities and may be awarded to another agency at any time / stage of the work.
- 12.12 The bidders must obtain for themselves on their own responsibility and their own expenses all the information which may be necessary, including risks, contingencies and other circumstances to enable them in making a proper bid and for entering into a contract, and must examine the drawings, specifications and conditions and inspect the site of the work, nature of the work, availability of power, water, shelter for workmen and all the matters pertaining thereto before submitting the bid. They can also get any clarifications required from the Owner, before tendering, by contacting them at their office during working hours.

### **13. Format and signing of Tender document**

- 13.1 The bid shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign on behalf of the Bidder. All pages of the tender where entries or amendments have been made shall be initialed by the person or persons signing the tender.
- 13.2 The tender shall contain no alterations or additions, except those to comply with instructions issued by the Owner, or as necessary to correct errors made by the Bidder, in which case such corrections shall be initialed by the person or persons signing the bid. ANY CONDITIONAL BID WILL BE SUMMARILY REJECTED.

### **D: MODE OF SUBMISSION OF BID DOCUMENT**

#### **14. Sealing and marking of bids.**

- 14.1 The entire document to be put in cover-1 should be scanned and uploaded under cover-1 on the e - tendering website. No hard copy of any document (financial or technical) should be submitted. In case any hardcopy is submitted then the same will not receive by the department.
- 14.2 Financial/price bid is to be uploaded online only & no hard copy to be submitted.

#### **15. Deadline for submission of bid: - As per Critical Data Sheet.**

### **E: TENDER OPENING AND EVALUATION**

16. **Tender opening:** The tender will be opened on the date and the place specified in the critical data sheet. In case of any unavoidable circumstances or unforeseen event on the specified date and time of tender opening, the bids will be opened at the appointed time and location on the next working day.
17. **Clarification of Tenders:** To assist in the examination, evaluation and comparison of bids, the Owner may, at his discretion, ask any Bidder for clarification of his bid, including breakdowns of unit rates. The request

for clarification and the response shall be in writing or by fax, but no change in the price or substance of the tendering shall be sought, offered or permitted.

**18. Examination of Bids and Determination of Responsiveness:**

- 18.1 Prior to the detailed evaluation of bids, the Owner will determine whether each bid
- Meets the eligibility criteria defined
  - Has been properly signed and meets the requirements mentioned
  - is accompanied by the required securities and;
  - is responsive to the requirements of the tendering documents.
- 18.2 A responsive bid is one which conforms to all the terms, conditions and specifications of the tendering documents, without material deviation or reservation. A material deviation or reservation is one
- Which affects in any substantial way the scope, quality, or performance of the works;
  - which limits in any substantial way, inconsistent with the tender documents, the Indian Institute of Technology Roorkee rights or the Bidders' obligations under the contract; or
  - Whose rectification would affect unfairly the competitive position of other Bidders presenting responsive bids.
- 18.3 If a bid is not responsive, it will be rejected by the Indian Institute of Technology Roorkee, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

**19. Evaluation and Comparison of Bids:**

- 19.1 The Owner along will evaluate and compare only the bids determined to be substantially responsive.
- 19.2 In evaluating the bids, the Owner will determine for each bid the evaluated bids Price by adjusting the bid. Price as follows:
- Making any correction for errors; or
  - Making an appropriate adjustments for any other acceptable variations, deviations; and
  - Making appropriate adjustments to reflect discounts offered.

**20. The Owner reserves the right to accept or reject any variation, deviation, or alternative offer and other factors which are in excess of the requirement of the tender.**

**F: AWARD OF TENDER**

**21. Award criteria :**

- 21.1 The acceptance of bid will rest with the Owner, which does not bind itself to accept the lowest bid and reserves to itself the authority to reject completely / partially, any or all of the bid/s received without the assignment of a reason.
- 21.2 The owner reserves to itself the right of accepting the whole or any part of the Bid and the Bidder shall be bound to perform the same at the rate quoted.
- 21.3 The Owner reserves to itself the right of omission of any item of work from the awarded tender at any time / stage during the execution of work and awards the same to another agency / bidder.

**22. Notification of award:** The successful Bidder will be issued a Letter of Acceptance (LoA) by the Owner. The issuance of LoA shall not constitute an award of work.

**23. Performance Guarantee:** Within ten (10) days of LoA the successful Bidder shall furnish the performance guarantee @ 3% of value of work in the form of DD/FDR/ Bankers cheque /Bank Guarantee from Scheduled bank provided in the tender document. The Performance guarantee shall be returned / refunded to the bidder on completion of the work and recording of the completion certificate. In case the bidder fails to deposit the said performance guarantee within the period as indicated, the Earnest Money deposited by the bidder shall be forfeited automatically without any notice to the bidder.

**24. Signing of contract form:** On the acceptance of LoA and Performance Bank Guarantee of the successful Bidder whose tender has been accepted in writing, the Indian Institute of Technology Roorkee will sign an agreement. Article of agreement shall be as per IIT Roorkee.

**G: DURING EXECUTION**

**25. During Execution:** The Bidder shall carry out all the works strictly in accordance with the drawing, details and instructions of the Owner. If in the opinion of the Owner, changes have to be made in the design, and

they desire the bidder to carry out the same, the Bidder shall be bound to comply. The Owner decisions in such cases shall be final.

The Bidder is bound to carry out any items of work necessary for the completion of the job even though such items are not included in the schedule of quantities and rates. Schedule of instructions in respect of such additional items and their quantities with the prior consent from the Owner. Rates for such items of work will be approved by the Owner on the basis of Analysis of Rates which will be derived from actual prevailing market rates of similar item along with 15% as bidder's profit & overhead (or service charge as quoted by the bidder). The rates approved by the Owner in such cases will be final.

The Bidder shall get the quality of work done inspected for material and workmanship at different stages of execution as per instructions given by the Owner or their representative time to time. Any item of work done which is found not conforming to the Contract shall be rejected by the Owner. The decision of the Owner in such cases shall be final.

The Owner may instruct at any stage of execution for testing of samples of any material taken at random. The Owner will decide the testing laboratory / agency and the cost of testing including the expenses for sending the samples to the laboratory / agency and receipt of test reports shall be borne by the Bidder. The material shall be rejected in case the test reports are not within the permissible limits.

The Bidder shall have to present the invoice for purchased material from the manufacturer or from the dealer along with the certificate from the manufacturer. In case material is found to be of substandard quality, the same shall be rejected by the Owner. The decision of the Owner in such cases shall be final.

The Bidder shall not be entitled to any compensation for the Loss suffered by him on account of delays in commencing or executing the work whatever the cause of delay may be, including delays arising out of modifications to the work entrusted to him or in any subcontracts connected therewith or delays in awarding contracts for other trades of the project or in commencement or completion of such other works or in procuring Government controlled or other building materials for any other reasons whatsoever. The Owner shall not be liable for any sum besides the e-tender amount, subject to such variations as are provided for herein and as instructed by Owner. However, necessary time extension will be given if the delays are not attributed to the Bidder.

**QUALIFYING INFORMATION**

Please furnish the following information along with documentary evidence only in this format (as eligibility criteria)

1.	Name of the bidder		
2.	Legal Status of the bidder		
3.	Place of registration and registration of the bidder		
4.	Year of establishment of the firm.		
5.	Permanent Address		
6.	Email id		
7.	Contact Numbers		
8.	Principal place of the registration		
9.	PAN No.		
10.	GST No.		
11.	EPF (if applicable)		
12.	ESI (if applicable)		
13.	Earnest Money Deposit (EMD)		
14.	Tender fee details		
15.	Solvency certificate details		

16. Average annual financial turnover during the last 3 years, ending 31<sup>st</sup> March of previous financial year, should not be less than 50% of the estimated cost. CA certificate be enclosed as documentary proof. Copies of balance sheets duly certified by **CA preferably with UDIN Number** to be submitted.

Sl. No.	Financial Year	Amount (in Lakhs)
1	2019-2020	
2	2020-2021	
3	2021-2022	

17. PROFORMA FOR LIST OF WORKS EXECUTED BY THE BIDDER DURING THE LAST 5 YEARS AND ABOVE

Sl. No	Name of work/ project with address	Name & postal address of the owner & contact person	Contract Value	Date of Start	Date of Completion	Actual Date of Completion

**Note: Bidder may furnish the above information in separate sheet if the space is not sufficient.**

18. PROFORMA FOR LIST OF WORKS IN HAND

Sl. No	Name of work/ project with address	Name & postal address of the owner & contact person	Published Value	Date of Start	Stipulated date of completion	Present Progress

**Note: Bidder may furnish the above information in separate sheet if the space is not sufficient**

19. DETAILS OF KEY PERSONNEL

Sl. No	Name & Designation	Qualification	Experience	Nature of Works Handled	Date from which employed in your organization

**Note: Bidder may furnish the above information in separate sheet if the space is not sufficient.**

20. List of equipments, tools and tackles (in applicable)



## **GENERAL CONDITIONS OF CONTRACT(GCC)**

### **A: GENERAL**

#### **1.0 Definitions :**

1.1 In this contract, the following terms shall be interpreted as indicated:

- a. "The Contract" means the agreement entered into between the Owner and the Bidder, as recorded in the contract form signed by the parties, including all the attachments and appendices thereto and all documents incorporated by reference therein.
- b. "The Contract Value" means the amount payable to the Bidder under the contract for the full and proper performance of its contractual obligations.
- c. "Contract Data" means any information provided in the tender document and agreed to by the Bidder.
- d. "The Work" means all labour, materials, tools and plant, equipment including government taxes and transport that may be required in preparation of and for and in the full and entire execution and completion of "the Work".
- e. "Services" means services ancillary to the execution of the work such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training and other obligations of the Bidder covered under the contract.
- f. "GCC" mean the General Conditions of Contract contained in this section.
- g. "SCC" means the Special Conditions of Contract.
- h. "The Owner" means the Indian Institute of Technology Roorkee or its representative.
- i. "The Owner" means the Owner/Project Management Consultant appointed by the Owner for preparing all the drawings, details and specifications of items required for the execution of the work and supervise and monitor the execution at site along with checking and verifying Bidder's bill. The Bidder shall offer the Engineer or any representative of Owner every facility and assistance for examining the works and materials. The Engineer or any representative of the Owner shall have power to give notice to the Bidder or to his staff, of non-approval of any work or materials and such work shall be suspended or the use of such materials shall be discontinued until the decision of the Owner. Such examinations shall not in any way exonerate the bidder from the obligations to remedy any defects which may be found to exist at any stage of the work or after the same is completed.
- j. "The Bidder" means the individual or the firm executing the work.
- k. "The Project Site" where applicable, means the place or places named in SCC.
- l. "Day" means calendar day.
- m. "Engineer-in-charge (EIC)" means Executive Engineer (E/M).

#### **2.0 Interpretation and Application**

- 2.1 These general conditions shall apply to the extent that provisions in other parts of the contract do not supersede them.
- 2.2 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Owner will provide instructions clarifying queries about the Conditions of Contract.
- 2.3 If sectional completion is specified in the Contract Data, references in the Conditions of Contract to the Works, the Completion Date, and the Intended completion date are for the whole of the Works.

#### **3.0 Standards**

- 3.1 The works executed by the Bidder should be carried out in most professional manner, both as regards material and otherwise, in every respect, in strict accordance with the Technical Specifications. All materials and workmanship shall so far as procurable be of the respective kinds described in the priced schedule of quantities and/ or specifications and in accordance with the Owner' instructions, and the

Bidder shall upon the request of the Owner, furnish them with all invoices, accounts; receipts and other vouchers to prove that the material procured complies therewith. When no applicable standard is mentioned, the work shall be carried out as per the directions of the Owner. The Bidder shall at his own cost arrange for and/or carry out any test of materials which the Owner may require. In case of discrepancies in tender wording as regards the specifications of materials, workmanship etc., written instructions will supersede the tender wording unless otherwise mentioned.

- 3.2 The Owner in their absolute discretion from time to time shall issue further drawings and/ or written instructions, details, directions and explanations which are hereafter collectively referred to as “the Owner’s instructions” in regard to: -
- a. The variation or modification of the design quality or quantity of works or the addition or omission or submission on any work.
  - b. Any discrepancy in the drawings or between the schedule of quantities and / or drawings and /or specifications/ dimensions etc.
  - c. The removal and / or re-execution of any works executed by the Bidder.
  - d. The removal from the site of any materials brought thereon by the Bidder and the substitution of any other materials therefore / or rejection of the material brought on site.

#### **4.0 Use of Contract Documents and Information**

- 4.1 The Bidder shall not, without the Owners’ prior written consent, disclose the contract or any provision thereof, or any specifications, plan, drawing, pattern, sample or information furnished by or on behalf of the Owner in connection therewith, to any person other than a person employed by the Bidder in performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far, as may be necessary for purposes of such performance.
- 4.2 The Bidder shall not, without the Owner’s prior written consent make use of any document or information enumerated in Para 4.1 except for the purposes of performing the contract.
- 4.3 All documents included but not limited to contract agreement shall remain the property of the Owner and shall be returned (in all copies) to the Owner on completion of the Bidder’s performance under the contract, if so required by the Owner.

**5.0 Owner’s Decisions:** Except where otherwise specifically stated, the Owner will decide contractual matters between the Owner and the Bidder, in the role of representing the Owner.

**6.0 Performance Guarantee:** The proceeds of the performance guarantee shall be payable to the Owner as compensation for any loss or dues resulting from the Bidder’s failure to complete its obligations under the contract.

#### **7.0 Program and Reporting**

- 7.1 The bidder shall furnish to the Indian Institute of Technology Roorkee a bar chart laying down weekly financial and physical targets to complete the project within stipulated time for approval within fifteen days from the date of receipt of notification of award. Weekly progress report shall be furnished to the owner showing the progress.
- 7.2 The bidder must submit every week the following information to the Owner in writing:
  - i. Number of men employed, trade wise;
  - ii. Progress achieved;
  - iii. Expected dates for completion of work;
  - iv. Any actual or potential delay in completion schedule.

#### **8.0 Assignment and Sub-contracting**

- 8.1 The whole of the works included in the Contract shall be executed by the bidder and the bidder shall not directly or indirectly transfer, assign or underlet the contract or any part, share or interest therein without the written consent of the Owner.
- 8.2 No sub-contracting shall relieve the Bidder from the full and entire responsibility of the Contract or from the active superintendence of the work during their progress.

## **9.0 Bidder to provide everything necessary for proper execution of work**

- 9.1 The Bidder shall provide everything necessary for the proper execution of the works according to the intent and meaning of the drawings, priced schedule of quantities and specifications taken together whether the same may or may not be particularly shown or described therein provided that the same can reasonably be inferred there from. If the Bidder finds any discrepancy therein he shall immediately and in writing refer the same to the Owner whose decision shall be final and binding. Further, if any sample(s) of material(s), fittings, fixtures or finished item(s), to be used in the construction work, has/have been called for from the bidder, no work related to it/these shall be executed unless the same has/ have been approved by the Owner failing which no payment shall be made to the bidder on this account. Any sample, duly approved by the Owner shall become part of the supply to be used in “the works”.
- 9.2 IIT Roorkee will provide water and power supply at site free of cost for the entire work.
- 9.3 The Bidder shall supply fix and maintain at his cost, during the execution of any works, all the necessary power supply, water supply, centering, scaffolding, watching and lighting by night as well as by day, required not only for the proper execution but also for protection of the public and the safety of any adjacent roads, streets, pavements, walls houses, building and other erections, matters or things. The Bidder shall take down and remove any or all such centering, scaffolding, staging, planking, timbering, strutting, shoring pumping, fencing, hoarding, watching and lighting by night as well as by day, required not only for the proper execution but also for protection of the public and the safety of any adjacent roads, streets, pavements, walls houses, building and other erections matters or things. The bidder shall take down and remove any or all such centering, scaffolding, staging, planking, timbering, strutting, shoring etc. as occasion shall require or when ordered so to do so and shall fully reinstate and make good all matters and things disturbed during the execution of the works, to the satisfaction of the Owner.
- 9.4 Throughout the execution of the work, the Bidder or his representative duly authorized and fully responsible and technically conversant with the work under this agreement, acting on his behalf shall be available at the site for supervising the work. The Bidder shall make adequate arrangements for watchmen to guard the materials brought by them to the site and shall ensure the safety, breakage and any theft of materials fixed or unfixed by him. Any material, T & P brought to the site for bonafide use of the Project shall not be removed/ shifted from the site without the prior written permission of the Engineer/Owner.
- 9.5 The bidder has to provide at his cost leveling pipe, steel/ metallic tapes etc. required by the supervising staff of the Owner's/Owner' representative during execution of the work.
- 9.6 Whenever required by the Owner, the Bidder shall provide electrical drawings / details before execution of work and get them approved by the Owner.
- 9.7 Wherever the specification of any item indicates the usage of approved equivalent of any material, the Bidder shall get the sample of the equivalent material approved from the Owner before execution. The approval of the equivalent material is entirely at the discretion of the Owner.

**10.0 Infrastructure:** For storage of materials, bidder has to provide at his own cost sufficient fenced and covered appropriate area on site for storage of above materials with lock and key arrangement. For arranging meetings suitable sized table and chairs shall be provided by Bidder. Temporary space shall be provided to the Bidder for construction of stores for storage of materials /site office/ labour hutments for the project period.

**11.0 Site Establishment:** The bidder shall provide all stores, workmen and materials. All materials likely to deteriorate in the open shall be stored under suitable cover. The security of the bidder's equipment and materials is his own responsibility. The Owner accepts no liability for loss or damage to the bidder's plant tools or materials. The materials issued to the bidder by the Owner will remain under the custody of bidder as a trustee. However, title on the same will remain with the Owner. The bidder will be responsible for loss or damage to such materials and shall preserve them in good working conditions as required for the contract and good construction practices till such time that they are incorporated in the works and erected, aligned and fully installed in position and handed over to the Owner. In case the Owner feels that arrangements made by the bidder are not adequate he shall so advice the bidder and the bidder shall promptly take corrective action. In case the bidder fails to take corrective action, Owner shall take such corrective actions and recover

the cost thereof from the bidder's bills. Accounts of such material on completion of work shall be rendered and surplus material returned to the Owner as per instructions of Owner. The bidder shall clear away periodically or as instructed by Owner any rubbish, scrap materials, etc. and dump the same in the authorized dump sites notified by local authority/area indicated by the Owner. All construction materials shall be neatly stacked in an orderly manner as directed by the Owner and care shall be taken to allow proper access to workmen and easy movement of men, vehicles, cranes and materials. The bidder shall maintain all the drawings carefully mounted on the board of appropriate size and well protected from the ravages of weather, termites and other insects. The bidder shall not permit the entry to the site of any person not directly connected/concerned with the work without first having obtained the written permission of Owner. The bidder shall submit a list of plants, equipments, tools, tackles, etc. which he will use, to perform the work. These tools, etc. shall not be removed from the site till the completion of job. A gate pass must be obtained from the Indian Institute of Technology Roorkee, chief proctor office, in order to remove from site any plant equipment, tools and materials. All items such as instructions and other pertinent data regarding erection/commissioning and maintenance should be typed and classified for transmittal in a manner approved by the Owner. For all employees of Owner, the bidder shall conform for no misconduct from any of his workforce; failure of this will be sufficient cause for removal of such person from the site.

**12.0 Messing & Accommodation:** The bidder will make his own arrangements for messing and accommodation. No accommodation and messing shall be provided by the Owner.

### **13.0 Procurement, Consumption and Storage of Materials**

- 13.1 The bidder shall at his own expenses, provide all materials including cement & steel required for the works. Adequate stocks of all materials required for the work are to be maintained at site. No material (unless as provided elsewhere in this document) shall be supplied by the Owner.
- 13.2 All materials to be provided by the bidder shall be in conformity with the detailed specifications laid down in the contract and the bidder have to prove that the materials conform to the laid down specifications, if requested by the Indian Institute of Technology Roorkee.
- 13.3 All materials required for execution of work must be got approved by the site representative of the Owner before they are actually put to use. All facilities for prior inspection of materials and subsequent inspection of work by the Site Engineer must be made available.
- 13.4 The bidder shall, at his own expenses and without delay, supply to the Owner samples of materials proposed to be used in the work. The Owner shall within seven days of supply of samples, or within such further period as Owner may require and intimate the bidder in writing, whether samples are approved by Owner, or not. If samples are not approved, the bidder shall forthwith arrange to supply, for their approval, fresh samples complying with the specification laid down in the contract.
- 13.5 The Owner shall have full powers to require removal of any or all the materials brought to site by the bidder which are not in accordance with the contract specifications or do not conform in character or quality to the samples approved Owner. In case of default on the part of the bidder in removing rejected materials, the Owner shall be at liberty to have them removed by other means. The Owner shall have full powers to direct other proper materials to be substituted for rejected materials and in the event of the bidder refusing to comply. Owner may cause the same to be supplied by other means. All risks and costs which may attend upon such removal and/or substitution shall be borne by the bidder.
- 13.6 Bidder shall be responsible for procurement of all materials/equipments etc. No delay due to non availability of any material equipment will be entertained by Owner.

### **14.0 Method of storing the materials**

- 14.1 The bidder shall at his own cost, provide for all necessary storage on the site in specified areas for all materials such as steel, cement and such other materials which are likely to deteriorate by the action of sun, wind, rain, dampness or other natural causes due to exposure in the compounds or in stores in such a manner that all materials, tool etc. shall be duly protected from damage by weather or any other cause.
- 14.2 Materials required for the works, by the bidder be stored by the bidder only at places approved by the Owner. Storage and safe custody of materials shall be the responsibility of the bidder. All the materials including bidder's Tools & Plants brought by the bidder to the site shall become and remain the property

of the Owner and shall not be removed off the site without prior written approval of the Owner/Owner. But whenever the works are finally completed and advances, if any, in respect of such materials are fully recovered, the bidder shall at own expenses forthwith remove from the site all surplus materials supplied by him and upon such removal, the same shall revert in and become the property of the bidder.

**15.0 Shuttering and Scaffolding Materials:** It shall be desirable to have adequate amount of shuttering and scaffolding materials to complete the work speedily and Owner decision so as to the quantum of these desirable/ resources of the site shall be final and binding.

**16.0 Completion of Work:** Before finally leaving site, all the Bidders stores, plant, tools and rubbish shall be removed and the site left clean and tidy. The space allocated by Owner shall be vacated and handed over to the Owner.

**17.0 Water and Electricity for Construction work:** Water & Electricity as per relevant section's mentioned above.

**18.0 Employment of Labour**

- 18.1 The bidder shall comply with the requirement of statutory provisions and shall be solely responsible for fulfillment of all legal obligations under Contract Labour (R&A) Act, Inter State Migrant Workmen (Registration of Employment and condition of Service Act, Payment of Wages Act., Minimum Wages Act, Workmen's Compensation Act, Factories Act, Employee's Provident Fund & Miscellaneous Provisions Act, Payment of Bonus Act, Payment of Gratuity Act, Industrial Disputes Act and all other Industrial/Labour enactments and Rules made there under as applicable from time to time. In case Owner incurs any liability towards payment of any dues, compensation, cost of any other liability of any kind whatsoever, due to non fulfillment of statutory provisions under any industrial/labour laws by the bidder, the same shall be made good by the bidder and Owner shall have full right to recover and claim the same against the bidder from his outstanding bills or otherwise. No Labour to stay at site.
- 18.2 The bidder will be expected to employ on the work only his regular skilled employees with experience of this particular work. The permission of the Owner must be obtained before tradesman are recruited locally for the work. This rule does not apply to unskilled labour. No female labour shall be employed in dark hours/ i.e. hours prohibited under the applicable law. No person below the age of eighteen years shall be employed at any point of time. The bidder shall pay, to each person, the wages as per minimum Wages Act of the State Government.
- 18.3 All traveling expenses including provision of all necessary transport to and from site, lodging allowances and other payments to the bidder's employees are his own responsibility. The hours of work on the site shall be decided by the Owner and bidder shall adhere to the same. All bidders employees shall wear safety helmet and such identifications marks as may be provided by bidder on work site and duly approved by Owner. All notices displayed on the site and any instructions issued by the Owner shall be strictly adhered to by the Bidder's and/or his sub-bidders employees. The bidder shall be required to maintain employment records as covered in relevant Acts and produce documentary evidence to the effect that he has discharged his obligations under the Employees Provident Fund Act 1952, and ESI Act, 1948 Group Insurance and other Acts for the workmen working at site.
- 18.4 The bidder shall comply with the provisions of the Apprentices Act 1961, and the rules and orders issued there under from time to time. If he fails to do so, his failure will be a breach of the contract and the Dean Infrastructure/Executive Engineer may in his discretion, without prejudice to any other right or remedy available in law, cancel the contract. The bidder shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

**19.0 Working and Safety Regulations:** The bidder shall observe all statutory safety and legal requirements regulations issued by Central and State Governments applicable to the work as well as any local regulations applicable to the site issued by the Owner or any other authority.

**20.0** Particular attention is drawn to the following: In case of accident, the Owner shall be informed in writing forthwith and First-Aid, Hospitalization shall be provided by the Bidder. The bidder shall strictly follow

regulations laid down by Govt. and State authorities in this regard and all cases are to be defended by the bidder. The Owner shall not refund any insurance claims. Bidder shall fence his plant, platforms, excavations etc. Compliance with all electricity regulations. Compliance with statutory requirements for inspection and test of all lifting appliances and auxiliary lifting gear. Staircase, doors or gangways shall not be obstructed in any way that will interfere with means of access or escape. Where it is necessary to provide and/or store petroleum products or petroleum mixtures and explosive, the bidder shall be responsible for carrying out such provision and/or storage in accordance with the rules and regulation laid down in Petroleum Act 1934, Explosive Act 1948 and Petroleum and Carbide of Calcium Manual Published by the Chief Inspector of Explosive of India. All such storage shall have prior approvals of the Owner. In case any approval or clearance from Chief Inspector of Explosive or any statutory authorities is required, the bidder shall be responsible for obtaining the same.

The bidder shall have his own Fire Fighting Extinguishers and Equipment. The bidder shall be responsible for the provision of all safety notices safety equipments including the safety gadgets for his workmen required by both the relevant legislation and such as the Owner may deem necessary. While working at heights, safety belts and safety helmets shall necessarily be used.

**21.0 Owner's and Bidder's Risks:** The Owner carries the risks, which this Contract states are The Owner risks, and the Bidder carries the risk, which this Contract states are The Bidder's risks.

21.1 Owner's Risks: The Owner is responsible for the accepted risks which are :

- a. Insofar as they directly affect the execution of the Works. These include war, hostilities, invasion, act of foreign enemies, rebellion, revolution, insurrection of military or usurped power, civil war, riot commotion or disorder (unless restricted to the Bidder's Employees), and contamination from any nuclear fuel or nuclear waste or radioactive toxic explosive, or
- b. A cause due solely to the design of the Works, other than the Bidder's design.

21.2 Bidder's Risks: All risks of loss or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the accepted risks of the owner.

21.3 The Bidder shall be responsible for all injury to persons, animals or things, and for all damages to the structural and/or decorative part of property which may arise from the operations or neglect of himself or of any sub-bidder or of any of his or sub-bidder's employees whether such injury or damage arises from carelessness accident or any other causes whatsoever in any way connected with the carrying out to the Contract. This clause shall be held to include interalia any damage to buildings, whether immediately adjacent or otherwise and any damage to roads, footpaths, or ways as well as all damage caused to the buildings and the work forming the subject to this Contract by frost, rain or other inclemency of the weather. The Bidder shall indemnify the Owner and hold him harmless in respect of all and any expenses arising from any such injury or damage to persons or property as aforesaid and also in respect of any claim made in respect of injury or damage under any acts of Government or otherwise and also in respect of an award of compensation or damages consequent upon such claim. The bidder shall make good all damages of every sort mentioned in the Clause, as to deliver up the whole of the Contract works complete and perfect in every respect and so as to make good or otherwise satisfy all claims for damage to the property of third parties.

## **22.0 Insurance**

22.1 The Bidder shall provide, in the joint names of the Owner and the Bidder, insurance cover from the Start Date to the end of the Defects Liability Period, in the amounts and deductibles stated in the Contracted Data for the following events which are due to the Bidder's risks and shall be covered under respective policies as under :

- a. Workmen Compensation Policy;
- b. Bidder's All Risk Policy;
- c. Third Party Insurance.

- 22.2 Policies and certificates for insurance shall be delivered by the Bidder to the Owner for the approval before the Date of Start of work i.e. dates of execution of the contract. All such insurance shall provide for compensation to be payable in the types and proportions of currencies required to rectify the loss or damage incurred.
- 22.3 If the Bidder does not provide any of the policies and certificates required, the Owner may affect the insurance which the Bidder should have provided and recover the premiums the Owner has paid from payments otherwise due to the Bidder or if no payment is due, the payment of the premiums shall be a debt due.
- 22.4 Alterations to the terms of the insurance shall not be made without the approval of the Owner.
- 22.5 Both parties shall comply with the conditions in the insurance policy.

**23.0 Setting out Works:** The bidder shall set out the works and responsible for the true and perfect setting out of the same and for the correctness of the positions, levels, dimensions and alignment of all parts thereof, if at any time any error shall appear during the progress of any part of works the bidder shall at his own expenses rectify such error, if called upon to the satisfaction of the Owner.

**24.0** Bidder to remove all offensive matter, non-suitable material etc immediately.

- 24.1 All debris, excavated soil, filth or other matter or an offensive nature taken out of any trench, sewer, drain cesspool or other place shall not be deposited on the surface but shall be at once carted away by the bidder out of the premises/ site under intimation to concerned authorities.
- 24.2 Any material brought on site if found unsuitable shall be removed from site at once by the Bidder under intimation to the concerned authorities.

#### **25.0 Inspections by Owner**

- 25.1 The representative of the Owner at all times have free access to the works and /or to the workshops, factories or other places where materials are being prepared or constructed for the Contract and also to any place where materials are lying or from which they are being obtained. No person except the representatives of Public authorities shall be allowed on the work at any time without the written permission of the Owner. If any work is to be done at a place other than the site of the works, the Bidder shall obtain written permission of the Owner for doing so.
- 25.2 The Owner and their representatives shall have the right to test and/ or inspect the works to confirm their conformity to the contract, at all times, whenever in progress either on the site on the Bidder's premises wherever situated or any firm or company where work in connection with this contract may be in hand. All records, registers or documents relating to the works including materials used on works shall be kept open to the inspection of the Owner or his Authorized representative when so called for in writing.
- 25.3 The Bidder shall get the quality of work done inspected for material and workmanship at different stages of execution as per instructions given by the Owner or their representative time to time. Any item of work done which is found not conforming to the Contract shall be rejected by the Owner. The decision of the Owner in such cases shall be final.
- 25.4 The inspections and tests may be conducted on the premises of the Bidder or at the Project site. When carried out on the premises of the Bidder or its sub-Bidder(s), all reasonable facilities and assistance including access to drawings and production data shall be furnished to the inspectors at no charge to the Owner.
- 25.5 Should any inspected items of work fail to conform to the specifications, the Owner shall communicate them and the Bidder shall either replace them or make all alterations necessary to meet specification requirements free of cost to the Owner.
- 25.6 The Bidder shall permit the Owner/Architect to inspect the Bidder's accounts and records relating to the performance of the Bidder and to have them audited by auditors appointed by the Owner, if so required.

#### **26.0 Covering Up/Uncovering of Works**

- 26.1 No part of the works shall be covered up without the approval of Owner and the Bidder shall afford full opportunity for examination and inspection by the Owner. The bidder shall give due notice to the EIC about the work to be covered up for its measurements and examination. The EIC shall within a reasonable time attend for the purpose of examining such work, unless the EIC specifically advises the

Bidder in writing of his unwillingness not to attend for such examination in which case the Bidder may proceed further with the Contract work.

- 26.2 Should the Owner consider it necessary in order to satisfy himself as to the quality of the work, the Bidder shall at anytime during the continuance of the contract pull down or cut into any part of the work and make such opening into and to such an extent through the same, as the Engineer may direct and the Bidder shall make good the whole to the satisfaction of the Engineer, should the work prove to be faulty or in any respect not in accordance with the terms of the contract documents, the Engineer shall be at liberty to order such further removal as he may consider necessary and the whole of the expenses incurred shall be borne by the bidder. If however, the work proves to be sound and in accordance with the contract document, the actual expenses incurred in such examination will be borne by the Owner.
- 26.3 Rates charged by the Bidder for works performed under the contract shall not vary from the rates quoted by the Bidder in its bid, with the exception of any price adjustments authorized in SCC or in the Owner's request for bid validity extension, as the case may be.
- 26.4 If requested by the Owner, the Bidder shall provide the Owner with a detailed cost breakdown of any rate in the Schedule of Quantities.
- 26.5 The Owner may at any time / stage of execution demand for the Analysis of Rates for any item / items of work which in their opinion is / are abnormally high / low rates or required for the Analysis of Rates of other Publish / extra item / items. The Bidder is bound to present the same and if the Bidder is unable to present a justified Analysis of Rates for any item / items, the rate / rates for such item may be adjusted accordingly and the decision of the Owner in such cases shall be final.

#### **27.0 Change in the order/ Extra items of work**

- 27.1 The Owner may at any time, by written order given to the Bidder, make alterations in, omissions from, additions to, or substitutions for, in drawings, designs or specifications or quantities of the items of work
- 27.2 Owner reserves to itself the right of omission of any item of work from the awarded Publish at any time / stage during the execution of work and award the same to another agency / bidder.
- 27.3 The Owner may at any time (during execution of work), by written order given to the Bidder, increase the scope of work or include any new item of work. The Bidder shall be bound to carry out such works, the rates for which shall be arrived at on the basis of the CPWD Schedule of Rates or if the Schedule is silent by standard methods of rate analysis as derived by the Owner/Architect.

#### **28.0 Payment**

- 28.1 The method and conditions of payment to be made to the Bidder under the contract shall be specified in SCC.
- 28.2 Payment shall be made promptly by the Owner within thirty (30) days of certification of the bill by the Owner.
- 28.3 All intermediate running payments to the bidder shall be regarded as payments by way of advance against the final payment and shall not preclude the requiring of bad, unsound and imperfect or unskillful work to be removed, taken away and reconstructed or re-erected.

#### **29.0 Variations and Provisional Cost (If applicable):**

- 29.1 Where work cannot be measured and valued properly, the Bidder shall be allowed day work rates on the prices prevailing when such work is carried out (unless otherwise provided in the contract): a. At the rates if any inserted by the Bidder in the priced Schedule of Quantities or b. If no such rates have been inserted then at the rates prevailing in the market for material and labour and at the control rates for the controlled materials including in all cases the rate for delivery of the material at the work.
- 29.2 Provided that in any case voucher specifying the time daily spent upon the work (and if required by the Owner the workman's names) and the materials used shall be delivered for verification to the Owner, or his authorized representative not later than the end of the week following that in which the work has been executed. Effect shall be given to the measurement and valuation of variations in interim Certificates and by adjustment of the total Contract Value.

#### **30.0 Claims for Extra or for Deductions**

- 30.1 The Owner shall not be responsible for the payment of any claim for extra work not included in the contract nor the Bidder shall be entitled to claim any addition to the contract sum in respect of any



changes or alterations in the materials used unless the same shall have been ordered or sanctioned, as the case may be, in writing by the Owner.

- 30.2 The Bidder has to submit a monthly return by 10th of the ensuing month for any extra work which in his opinion is not covered by the contract agreement through the Owner's/ Owner's representatives and obtain a receipt from the authorized signatory of the Owner. Failing this, he shall have no right to any such claim, whatsoever may be the circumstances, later on.
- 30.3 In the event of any dispute arising either as to validity of the claim or as to the account to be paid or allowed in respect thereof, the decision of the Owner shall be final and binding on the bidder. In the meantime, the Bidder may either proceed with the work in question or suspend the same as may be determined by the Owner.
- 30.4 All extra works (those permitted by Owner) of every description shall be executed by bidder on site of work in pursuance of any of the provision of the contract, shall be measured up, and shall be paid according to actual quantities ascertained by such measurements and the prices as finalized by the Owner based on the priced schedule of quantities so that such priced schedule of quantities shall include all such operations and accessories as appear in the said schedule of prices or specification to be or shall in the opinion of the Owner the contingencies upon the works mentioned in such schedule of prices or required to make such works perfect and fit for use.
- 30.5 Provided also that if any work shall be ordered by the Owner and executed by the Bidder for the payment of which no provision in the opinion of the Owner have been made in the priced schedule of quantities or the specifications, the Owner shall fix and determine such prices for the same based on the prices appearing in the priced schedule of quantities, such allowance being made as may seem to the Owner sufficient for any difference in the character of conditions of the work. However, rates for extra items shall be fixed on the basis of actual rate analysis.
- 30.6 If, it shall appear that the work has been executed with unsound, imperfect or unskilled workmanship, or with material of any imperfect or any inferior quantity or otherwise not in accordance with the contract documents the Bidder shall at his own cost rectify, reform, remove, or reconstruct the same, wither in the whole or in part, as may be directed by the EIC, whether or not the value of any such work or materials shall have been included in any payment made to the Bidder.
- 30.7 The Bidder shall remove all malba etc., wash and clean the floors and hand over the site quite clean on the completion of the work.

#### **31.0 Delay in the Bidder's performance**

- 31.1 Execution of the work and performance of the services shall be done by the Bidder in accordance with the time schedule specified by the Owner in the Notice inviting tender.
- 31.2 If, at any time during performance of the contract, the Bidder should encounter conditions impeding timely execution of the works and performance of services, the Bidder shall promptly notify the Owner in writing of the fact of the delay, its likely duration and its cause(s). As soon as possible, after receipt of the Bidder's notice, the Owner shall evaluate the situation and may, entirely at its discretion, extend the Bidder's time for performance with or without liquidated damages.

**32.0 Liquidated Damages:** If the Bidder fails to execute any or all of the works or to perform the services within the period(s) specified in the contract, the Owner shall deduct from the contract value, as liquidated damages, a sum specified in the SCC for each week or part thereof delay until actual completion or performance, up to a maximum deduction of the percentage specified in SCC. Once the maximum is reached, the Owner may consider termination of the contract.

#### **33.0 Termination by Default**

- 33.1 The Owner may without prejudice to any other right or remedy, by written notice (of fifteen days) of default sent to the Bidder, terminate the contract in whole or part: a) if the Bidder fails to complete any or all of the works within the period(s) specified in the NIT or any amendment thereof, or within any extension thereof granted by the Owner, or b) if the Bidder fails to perform any other obligation(s) under the contract.
- 33.2 In the event, the Owner terminates the contract in whole or in part, the Owner may procure, upon such terms and in such manner as it deems appropriate, works or services similar to those unexecuted and the

Bidder shall be liable to the Owner for any excess costs for such similar work or services. However, the Bidder shall continue the performance of the contract to the extent not terminated.

- 33.3 The owner may terminate the contract bond without prejudice due to financial malpractice / misbehavior / verbal or physical assault / poor quality of work etc.

#### **34.0 Force Majeure**

- 34.1 The Bidder shall not be liable for forfeiture of its performance guarantee, liquidated damages or termination by default, if and to the extent that, its delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure.
- 34.2 For purposes of this clause, "Force Majeure" means an unforeseeable event beyond the control of the Bidder and is not because of the Bidder's fault or negligence. Such events may include acts of the Owner either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics.
- 34.3 If a Force Majeure situation arises, the Bidder shall promptly notify the Owner in writing of such conditions and the cause thereof. Unless otherwise directed by the Owner in writing, the Bidder shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

- 35.0 Termination for Insolvency:** The Owner may at any time terminate the contract by giving written notice to the Bidder, if the Bidder becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Bidder, provided such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Owner.

- 36.0 Termination for Convenience:** The Owner, by written 30 days prior notice sent to the Bidder may terminate the contract, in whole or in part, at any time for its convenience. The notice shall specify that the termination is for Owner's convenience, the extent to which performance of the Bidder under the contract is terminated, and the date upon which such termination becomes effective. The items of work that are complete and ready within (1) month after the Bidder's receipt of notice of termination shall be accepted by the Owner at the contract terms and values. For the remaining works, the Owner may elect;
- a) to have any portion completed at the contract terms and value and/or
  - b) to cancel the remainder and pay to the Bidder an amount, finalized by the Owner, for partially completed works and for materials and parts previously procured by the Bidder.

#### **37.0 Resolution of Disputes**

- 37.1 Please refer clause no. 6 of SCC.
- 37.2 All disputes should be under the Jurisdiction of civil court Roorkee.

- 38.0 Governing language:** The contract shall be written in Hindi or English language. All correspondence and other documents pertaining to the contract that are exchanged by the parties shall be written in the same language.

- 39.0 Governing law:** The contract shall be governed by the laws of The Union of India for the time being in force. All disputes are subject to jurisdiction of courts at Roorkee or Honorable High Court Uttarakhand at Nainital.

- 40.0 Notices:** Any notice given by one party to the other pursuant to this contract shall be sent to other party in writing by e-mail or letter and confirmed in writing to the other party's address specified in SCC. A notice shall be effective on the date on which it is delivered, or on the notice's effective date, whichever is later.

- 41.0 Discoveries:** Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the Owner. The Bidder is to notify the Owner of such discoveries and carry out the Owner's instructions for dealing with them.

- 42.0 Dismissals of workmen:** The bidder on request from the Owner, immediately dismiss from the works any person employed by him who may be found in the opinion of the client to be unsuitable or incompetent or who has shown misconduct.

**43.0 Working Hours:** Normal working hours shall be from 08:45 a.m. to 05:30 p.m. No construction work of important structural nature shall be carried out on Sundays, Holidays and during nights. However, working hours can be extended in case of urgency with prior approval of IIT Roorkee.

## **B. TIME CONTROL**

### **44.0 Program**

- 44.1 Within the time stated in the Contract Data the Bidder shall submit to the Owner for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the works, along with weekly cash flow forecast.
- An update of the Program shall be a program showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work including any changes to the sequence of the activities.
- 44.2 The Bidder shall submit to the Owner, for approval, an updated Program at intervals no longer than the period as stated in the clause no. 7.1. If the Bidder does not submit an updated Program within this period, the Owner may withhold the amount stated in the Contract Data from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue program has been submitted.
- 44.3 The Owner's/Owner's approval of the Program shall not alter the Bidder's obligations. The Bidder may revise the Program and submit it to the Owner again at any time. A revised Program is to show the effect of Variations at any stage of work, Owner award any item/part of item of work to bidder's workman/ external agency, if in their opinion, the progress of work is suffering because of that. The work done will be added to the Bidder's bill and the amount paid for the job will be deducted from the Bidder's account.

### **45.0 Delay and Extension of time**

If in the opinion of the Owner the work be delayed

- a) by force majeure or
- b) by reason of any exceptionally inclement weather or
- c) by reason of proceedings taken or threatened by or disputes with adjoining or neighboring owners or public authorities or
- d) by delays of other bidder or Tradesmen engaged by the Owner or the Owner and the works not referred to in the Schedule of Quantities and/or specification or
- e) by reasons of Owner's instruction or
- f) by reason of civil commotion, local combination of workmen or strike or lockout affecting any of the building trades or
- g) in consequence of the bidder not having received in due time necessary instructions from the Owner for which he shall have specially applied in writing or
- h) from other cause which the Owner may certify as beyond the control of the bidder or
- i) by reason of nonpayment of interim certificate at specified time, the Owner shall grant for approval by the Owner a fair and reasonable extension of time for completion of the Contract. In case of strike or lockout the bidder shall as soon as may be given written notice thereof to the Owner, but the bidder shall nevertheless constantly use his endeavors to prevent delay and shall do all that may reasonably be required to the satisfaction of Owner to proceed with the work.

## **C. QUALITY CONTROL**

**46.0 Identifying Defects:** The Owner shall check the Bidder's work and notify the Bidder of any Defects that are found. Such checking shall not affect the Bidder's responsibilities. The Owner may instruct the Bidder to search for a Defect and to uncover and test any work that the Owner considers may have a Defect.

### **47.0 Correction of Defects**

- 47.1 The Owner shall give notice to the Bidder of any Defects before the end of Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability period shall be extended for as long as Defects remain to be corrected.

47.2 Every time notice of Defect is given, the Bidder shall correct the notified Defect within the length of time specified by the Owner' notice.

**48.0 Uncorrected Defects:** If the Bidder has not corrected a Defect within the time specified in the Owner' notice. In case, it is felt by the Owner that undue delay is being done by the bidder, the same will be got done by the Owner at the risk and cost of the contractor.

## **D. COST CONTROL**

### **49.0 Schedule of Quantities**

- 49.1 The Schedule of Quantities shall contain items for the construction work, installation, testing, and commissioning work to be done by the Bidder.
- 49.2 The Schedule of Quantities is used to calculate the Contract Price. The Bidder is paid for the quantity of the work done at the rate in the priced Schedule of Quantities for each item.

**50.0 Variations:** All variations in the program pursuant to clause no. 7.0 of GCC shall be included in the updated program produced by the Bidder.

### **51.0 Payments for Variations**

- 51.1 The Bidder shall provide the Owner with a quotation (with breakdown of unit rates) for carrying out the Variation when requested to do so by the Owner. The Owner shall assess and finalize the quotation, which shall be given within seven days of the request or within any longer period stated by the Owner and before the Variation is ordered.
- 51.2 If the Bidder's quotation is unreasonable, the Owner may order the Variation and make a change to the Contract Price which shall be based on Owner' own forecast of the effects of the Variation on the Bidder's costs.
- 51.3 If the Owner decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and shall be treated as a Variation.
- 51.4 The Bidder shall not be entitled to additional payment for costs, which could have been avoided by giving early warning.

## **E: FINISHING THE CONTRACT**

**52.0 Completion Certificate:** The Bidder shall request the Owner to issue a Certificate of Completion of the Works will do so upon deciding that the Work is completed.

**53.0 Taking Over:** The Owner shall take over the Site and the Works within seven days of the Owner issuing a certificate of Completion. Before handing over the site, the bidder must obtain a site clearance certificate from the Owner.

## **SPECIAL CONDITIONS OF CONTRACT (SCC)**

The following Special Conditions of Contract are supplementary, to the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the General Conditions of Contract is indicated in parentheses.

### **1. Definition (GCC clause 1.0)**

- a) Owner means : IIT Roorkee.
- b) Site means the project site situated in IIT Roorkee Main Campus, Saharanpur Campus and Greater Noida Extension Centre (GNEC).

### **2. (i) Security Deposit:** As per Critical Data Sheet.

- (ii) Release of Security Deposit: Security Deposit will be refunded by the Owner after completion of Defect Liability Period i.e. **06 months** from date of work completion (in case of work).
- (iii) IIT Roorkee reserves the right to seek justification from the bidder for abnormally high/low bids.
- (iv) In case of abnormally high bids IIT Roorkee reserves the right to negotiate with the bidder.
- (v) In case of abnormally low bids, successful bidder may be directed to deposit **additional security** as per the following formula:
  - i. Up to 30% below the estimated cost (including 30%) : nil
  - ii. 30% to 50% below the estimated cost (including 50%) : 20%
  - iii. 50% to 70% below the estimated cost (including 70%) : 40%

### **3. Performance Guarantee:** As per Critical Data Sheet. Performance guarantee shall be valid for a period of 60 days of completion.

### **4. Payment:**

**4.1** Payment shall not be released against 1st R/A bill until submission of following documents by bidder to the Owner:

- a) Attendance Record
- b) Measurements
- c) GST Invoice with revenue stamp.
- d) EPF & ESI deposit proof (from 2<sup>nd</sup> running bill onwards).
- e) Salary deposit proof.
- f) Insurance – Bidder's All Risk (CAR) Policy, Workmen compensation policy and Third Party Liability Insurance.

#### **4.1.1 Basis of Payment in RA bills**

Payment in RA bills shall be based on quantity of work executed at site (as per the item of work) & verified by Owner as per the item rate in work orders. Owner is authorized to allow payment for part rate/reduced rate/full rate for any item(s) in the Schedule of Quantity. Further owner is authorized to allow different part rates/ reduced rate for different item(s).

#### **4.1.2 Disallowance of payment**

If payment has been made in RA bill for any item of work but later on some defect is noticed, Owner/Architect is authorized to disallow the payment in the subsequent bills till rectification of the work.

#### **4.2 Final bill**

The final bill complete in all respect shall be submitted by the bidder within 60 days from the date of completion of work. The total quantity may vary as per actual work execution/site requirement/and user suggested changes during execution.

The bill should be accompanied with the following documents.

- a) Indemnity certificate towards labour payment and all statutory payments.
- b) Certificate of test on materials etc. (if any test is conducted)
- c) Measurement records.
- d) Original quality control record and any other joint site records maintain at site (if applicable).  
No claim shall be entertained after receipt of final bill.
- e) Warranty certificate (if applicable)

Settlement of final bill shall be made subject to deduction of all dues payable by bidder, settlement of all disputes and furnishing of all required documents/clarifications and grant of extension of time, if any, by Owner's competent authority.

#### **5. Liquidated Damages**

Suborder detailing quantum of work / material with stipulated time (as per discretion of IIT Roorkee) will be communicated to the firm via electronically / hard copy. In case of delay / partial completion, penalty amounting to 0.5% per week of suborder value subject to a maximum of 5% (five percent) of the Contract value from the stipulated date of completion shall be deducted from the contractor's bill.

#### **6. Resolution of Disputes & Arbitration**

If any dispute which may arise with respect to any term and condition or with respect to the interpretation of any term and condition of the Purchase Order/Work Order, which may be issued to the qualified and successful tenderer subsequently, the same shall be settled strictly in accordance with and in compliance of the Arbitration procedure which is mentioned descriptively as below:

If any dispute arises out of the interpretation of any clause of this Purchase Order / Work Order / Tender Document or with respect to any other matter connected with or arising out of any work/service/supply to be done or completed pursuant to this Purchase Order / Work Order / Tender Document, the aggrieved party shall first serve the Statement of its Grievances to the other party in which the complete details and description of its grievance should be mentioned descriptively. The true copies of all the relevant documents shall be filed with this Statement by the aggrieved party. Both the parties shall then make utmost endeavor to settle the disputes amicably amongst themselves.

In case the parties fail to settle their disputes amicably amongst themselves or if any dispute remains unsettled while other disputes are settled, the aggrieved party shall serve a Notice to the other party and to the Director of the Indian Institute of Technology Roorkee, intimating its desire to invoke the Arbitration for the settlement of the said disputes or any of the unsettled dispute. Such Notice invoking Arbitration shall strictly be given in compliance of the provisions of the Arbitration & Conciliation Act, 1996 or any other statute in force and ruling the law of Arbitration at that time. Such notice shall grant the time not less than 30 days to other party for the appointment of the Arbitrator. The aggrieved party shall specifically and in very clear terms mention the points of Reference desired to be referred to the Arbitrator, give out the details and description of the dispute which it tends to get settled by the process of the Arbitration. The Notice invoking Arbitration shall contain the true copies of all the relevant documents on which the aggrieved party shall put reliance in support of its claim.

After service of the Notice invoking Arbitration, the Director of the Indian Institute of Technology Roorkee shall appoint the Sole Arbitrator for resolution of the disputes or any of the unsettled dispute's within a period of thirty clear days from the date of receipt of the Notice invoking Arbitration from the aggrieved party. The Arbitration proceedings shall be commenced strictly in compliance of the provisions of the Arbitration & Conciliation Act, 1996 or any other statute in force and ruling the law of Arbitration at that time. The language of Arbitration proceedings shall English. The venue of Arbitration will be the premises of the Indian Institute of Technology Roorkee.

For the purpose of the provisions of the Arbitration & Conciliation Act, 1996 or any other statute in force and ruling the law of Arbitration at that time and for any legal action with regard to this Arbitration and for the purpose of any matter arising out of Arbitration proceedings under this Purchase Order / Work Order / Tender Document, the Courts situate at Roorkee shall only have the jurisdiction to try the legal action. In this regard, the Commercial Courts having jurisdiction over Roorkee in the matters pertaining to Commercial disputes or action arising out of any Arbitral Award passed during the course of the Arbitral proceedings held and commenced in Roorkee (currently the Commercial Courts located at Dehradun have jurisdiction over the Commercial disputes and the Arbitral Award passed during the course of the Arbitral proceedings held and commenced in Roorkee) shall only have the jurisdiction to try Such legal action. All the legal

proceedings shall be subject to the territorial and geographical jurisdiction of Hon'ble High Court of Uttarakhand.

**7. Protection of environment**

- 8.1 The Bidder shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation.
- 8.2 During continuance of the contract, the Bidder and his sub-bidders shall at all times abide by all existing enactment on environmental protection and rules made there under, regulations, notifications and bye-law of the State or Central Government, or local authorities and any other law, by-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority.
- 8.3 Salient features of some of the major laws that are applicable are given below:  
The Water (Prevention and Control of Pollution) Act, 1974 This provides for the prevention and control of water pollution and the maintaining and restoring of wholesomeness of water. 'Pollution' means such contamination of water or alteration of the physical, chemical or biological properties of water or such discharge of any sewage or trade effluent or of any other liquid, gaseous or solid substance into water (whether directly or indirectly) as may, or is likely to create a nuisance or render such water harmful or injurious to public health or safety, or to domestic, commercial, industrial agricultural or other legitimate uses, or to the life and health of animals or plants or of aquatic organisms.  
The Air (Prevention and Control of Pollution) Act, 1981, This provides for prevention, control and abatement of air pollution, 'Air Pollution' means the presence in the atmosphere of any air pollutant', which means any solid, liquid or gaseous substance (including noise) present in the atmosphere in such concentration as may be or tend to be injurious to human beings or other living creatures or plants or property or environment.  
The Environment (Prevention and Control of Pollution) Act, 1986 This provides for the protection and improvement of environment and for matters connected to herewith, and the prevention of hazards to human beings. Other living creatures, plants and property, 'Environment' includes water, air and land and the interrelationship which exists among and between water, air and land, and human beings, other living creatures, plants, micro-organism and property.  
The Public Liability Insurance Act 1991. This provides for public liability insurance for the purpose of providing immediate relief to the persons affected by accident occurring while handling hazardous substance means any substance or preparation which is defined as hazardous substance under the Environment (Protection) Act 1986, and exceeding such quantity as may be specified by notification by the Central Government.

**8. Specification to be followed for execution for execution of works are:**

**For Civil Works:** CPWD Specifications 2009 Vol. 1 and Vol. 2 with up to date correction slips. (Hereinafter called CPWD specifications also) and Specification mentioned in This Publish document for each projects

**For Electrical Works:** CPWD Specifications for electrical works 2013 (Internal) and CPWD Specifications for electrical works 1995 (External) and Specification mentioned in this bid document for each projects

9. If the bidder wants to offer any unconditional rebates on their offer that should be clearly mentioned.
10. The bidders having two ongoing works in-hand for electrical works and three ongoing works in-hand for civil works shall not be permitted to participate in another fresh tender.
11. Working / running contractor who have completed their work up to / above the awarded value of contract bond (duly verified by the EIC) shall be considered as work completed and such contractors shall be allowed to participate in the tender.

## **Undertaking**

(On Non Judicial stamp paper of Rs. 100/-)

Name of the address of the bidder:.....

NIT No. ....

Name of the work:.....

Due Date:.....

I/We have read and examined the Tender document for the work. I/We hereby submit bid for the execution of the work specified for the Institute within the time specified in NIT of quantities and in accordance with the specifications, designs, drawing and instructions in writing referred to the conditions of contract and with such materials as are provided for, by, and in respect of accordance with such conditions so far as applicable.

I/We agree to keep the Bid open for ninety (90) days from the due date of its opening and not to make any modification in its terms and conditions.

If I/We, fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the Institute has to right to forfeit the said earnest money absolutely. The said performance guarantee shall be a guarantee to execute all the works referred to in the Tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in NIT. Further, I/We agree that in case of forfeiture of Performance Guarantee or Earnest Money as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

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

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

I/We hereby declare that I/We have no near relative connection by marriage to any staff of the Institute.

The information given in the tender form is correct and best of my knowledge.

Dated:

Signature of Bidder

Witness:

Postal Address

Occupation:



## PERFORMANCE GUARANTEE BOND

In consideration of the Indian Institute of Technology Roorkee having agreed under the terms and conditions of agreement No..... dated..... made between  
..... And

.....(hereinafter called "the contractor(s)")..... for the work.....(hereinafter called "the said agreement") having agreed to production of a irrevocable Bank Guarantee for..... (Rupees.....only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement,

1. We.....(hereinafter referred to as "the Bank") hereby undertake to pay to IIT Roorkee (Indicate the name of the bank) an amount not exceeding Rs..... (.....only) on demand by the Indian Institute of Technology Roorkee.

2. We .....do hereby undertake to pay the amounts due..... and payable (Indicate the name of the Bank) under this Guarantee without any demur, merely on a demand from the Indian Institute of Technology Roorkee stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding (Rupees.....only).

3. We, the said bank further undertake to pay to the Institute any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or tribunal relating thereto, our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

4. We .....further agree that the guarantee herein contained shall (Indicate the name of the Bank) remain in full force and effect during the period that would be taken for performance of the said agreement, and it shall continue to be enforceable till all the dues of the Indian Institute of Technology Roorkee under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-charge on behalf of the Institute certified that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee.

5. We .....(indicate the name of bank) further agree with the Indian Institute of Technology Roorkee that Indian Institute of Technology Roorkee shall have the fullest liberty without our consent and without effecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Indian Institute of Technology Roorkee against the said contractor(s) and to forebear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor(s) or for any forbearance, act of omission on the part of the Institute or any indulgence by the Indian Institute of Technology Roorkee to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).

7. We ..... (Indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the Indian Institute of Technology Roorkee in writing.

8. This guarantee shall be valid up to..... unless extended on demand by Indian Institute of Technology Roorkee. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to .....(Rupees.....only)and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged. Dated the .....day of..... for  
..... (Indicate the name of the Bank)

**LIST OF APPROVED / PREFERRED MAKE**

<b>S.No.</b>	<b>Material</b>	<b>Preferred make</b>
1.	G.I. Pipe	Tata / Jindal Hisar / Prakash Surya (ISI mark)
2.	G.I. Fittings (e.g. union, plug, elbow, tee, socket etc.)	Unik/ AVR/ Zoloto/ Eye/ HB/ KKR/ Prakash Surya (ISI mark)
3.	PPR/ CPVC/ UPVC Pipe and Fittings	Astral/ Supreme/ Ashirwad/ Finolex/ Ajay Flow Guard/ Prince/ SFMC (ISI mark)
4.	Starter and Motor Controller	L&T/ ABB/ Siemens
5.	D.I. Fittings	Electrosteel, Jindal, TATA Ductura, Kapilangle, Kesoram
6.	Sluice Valve/ Check Valve/ Butterfly Valve/ Non Return Valve etc.	Zolota/ Bharat/ Kalpana/ Kirloskar/ Sant/ KSB
7.	D.I. Pipes	Electrosteel, Jindal, TATA Ductura, Kapilangle, Kesoram
8.	PTMT Fitting	Prayag, pearl Precision, As approved by EIC.

1. In case of non-availability of any item as per the list of approved make contractor shall use alternative item of ISI mark with prior written permission from the ENGINEER-IN-CHARGE.
2. In case it is established that Standard material (bearing ISI mark) as well as the materials indicated in the list (as mentioned in the above para) are not available in the market, then approved equivalent materials may be used in the work subject to approval from the Engineer-in-charge.

**Signature of the bidder**

**INSTITUTE WORKS DEPARTMENT  
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

**Schedule of Quantities**

PRICE SCHEDULE																		
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)																		
(If Bidder does't quote or quote zero (0) in any column, will be considered as free of cost service.)																		
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	TEXT	TEXT	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC WAGES (PER MONTH) As per Current Prevailing rates Rs. P	SERVICE CHARGE IN % ON BASIC WAGES +Bonu s	EPF @13% on basic & max limit to Rs 1950 (13% of 15000/-)	ESI @3.25% of Basic Wages +Bonus	Bonus (calculated 26 days) *8.33% of Basic wages and max. limit of Rs.7000/- (yearly) whichever is least	SUB TOTAL COLUMN (Basic+Bonus+ E.P.F.+E.S.I.)	Service charge (PER Month) In Figures Rs. P	Cess @ 1% of Basic + Bonus +EPF+ESI+ Service Charge	SUB TOTAL= Cess+Basic+ Bonus+ESI+ EPF+Service Charge	GST @ 18% ON COLUMN 16	COST PER MONTH (Col 16 + Col 17)	PERDAY WAGES including GST & Service Charge in Rs. P	TOTAL Service Charge s(GST Extra) Quoted by Bidder in Rs. P	TOTAL WAGES With all the Allowances/Charges Rs. P	TOTAL Service Charges Quoted by Bidder in
1	2	3	4	5	5	6	7	8	10	14	15	16	17	18	19	43	44	19
1	<b>PART-A</b>																	
2	UNSKILLED CAT-II	1248	Mandays	13442.00		1747.46	455.82	583.33	16228.61	0.00	162.29	16390.90	2950.36	19341.26	743.89	0.00	928374.72	INR Zero Only
3	SEMI SKILLED CAT-II	1872	Mandays	15964.00		1950.00	537.79	583.33	19035.12	0.00	190.35	19225.47	3460.58	22686.05	872.54	0.00	1633394.88	INR Zero Only
4	SKILLED	2496	Mandays	17446.00		1950.00	585.95	583.33	20565.28	0.00	205.65	20770.93	3738.77	24509.70	942.68	0.00	2352929.28	INR Zero Only
5	HIGHLY SKILLED CAT-I	936	Mandays	18967.00		1950.00	635.39	583.33	22135.72	0.00	221.36	22357.08	4024.27	26381.35	1014.67	0.00	949731.12	INR Zero Only
6	HIGHLY SKILLED CAT-II	312	Mandays	20488.00		1950.00	682.50	583.33	23703.83	0.00	237.04	23940.87	4309.36	28250.23	1086.55	0.00	339003.60	INR Zero Only
Total in Figures	INR Zero Only															0.00	6203433.60	INR Zero Only
Quoted Rate in Words	INR Zero Only																	

**PRICE SCHEDULE**

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only )

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description (PART-B)	Quantity	Units	Estimated Rate with GST+Cess in Rs. P	Quoted Currency in INR / Other Currency	TOTAL AMOUNT With GST+Cess in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	6	12	53	55
1	Supply of Spun yarn good quality	1	Kg	69.12	INR	69.12	INR Sixty Nine and Paise Twelve Only
2	Supply of Galvanised steel J or L hooks 8 mm dia good quality	1	Nos.	165.66	INR	165.66	INR One Hundred & Sixty Five and Paise Sixty Six Only
3	Supply of Galvanised steel bolts & nuts 10 mm dia and 125 mm long round head with slots.	1	Nos.	11.92	INR	11.92	INR Eleven and Paise Ninety Two Only
4	Supply of Bleaching powder ISI mark	1	Quintal	2492.05	INR	2492.05	INR Two Thousand Four Hundred & Ninety Two and Paise Five Only
5	Supply of Rubber insertions for 75 mm dia pipe joints good quality	1	Nos.	22.64	INR	22.64	INR Twenty Two and Paise Sixty Four Only
6	Supply of Rubber insertions for 100 mm dia pipe joints good quality	1	Nos.	25.03	INR	25.03	INR Twenty Five and Paise Three Only
7	Supply of Rubber insertions for 150 mm dia pipe joints good quality	1	Nos.	27.41	INR	27.41	INR Twenty Seven and Paise Forty One Only
8	Supply of Rubber insertions for 200 mm dia pipe joints good quality	1	Nos.	34.56	INR	34.56	INR Thirty Four and Paise Fifty Six Only
9	Supply of Rubber insertions for 250 mm dia pipe joints good quality	1	Nos.	54.82	INR	54.82	INR Fifty Four and Paise Eighty Two Only
10	Supply of Pig lead good quality	1	Kg	243.13	INR	243.13	INR Two Hundred & Forty Three and Paise Thirteen Only
11	Supply of Flanged C.I. standard specials upto 300 mm dia (heavy class) good quality	1	Quintal	7613.22	INR	7613.22	INR Seven Thousand Six Hundred & Thirteen and Paise Twenty Two Only
12	Supply of G.I Pipe 15mm dia ISI mark B Class	50	Metre	126.33	INR	6316.50	INR Six Thousand Three Hundred & Sixteen and Paise Fifty Only
13	Supply of G.I. Pipe 20 mm dia ISI mark B Class	50	Metre	165.66	INR	8283.00	INR Eight Thousand Two Hundred & Eighty Three Only
14	Supply of G.I. tees (equal) 65 mm good quality	1	Nos.	625.70	INR	625.70	INR Six Hundred & Twenty Five and Paise Seventy Only
15	Supply of G.I Union 15 mm dia ISI mark good quality	10	Nos.	41.71	INR	417.10	INR Four Hundred & Seventeen and Paise Ten Only
16	Supply of G.I Union 20 mm dia ISI mark good quality	10	Nos.	67.93	INR	679.30	INR Six Hundred & Seventy Nine and Paise Thirty Only
17	Supply of G.I Union 25 mm dia ISI mark good quality	5	Nos.	148.98	INR	744.90	INR Seven Hundred & Forty Four and Paise Ninety Only

18	Supply of G.I Union 32 mm dia ISI mark good quality	2	Nos.	195.46	INR	390.92	INR Three Hundred & Ninety and Paise Ninety Two Only
19	Supply of G.I Union 40 mm dia ISI mark good quality	2	Nos.	265.77	INR	531.54	INR Five Hundred & Thirty One and Paise Fifty Four Only
20	Supply of G.I Union 50 mm dia ISI mark good quality	2	Nos.	344.43	INR	688.86	INR Six Hundred & Eighty Eight and Paise Eighty Six Only
21	Supply of 20 mm dia Gunmetal gate valve with wheel good quality	5	Nos.	449.31	INR	2246.55	INR Two Thousand Two Hundred & Forty Six and Paise Fifty Five Only
22	Supply of Brass full way valve with C.I. wheel (screwed end) 25 mm dia good quality	2	Nos.	485.06	INR	970.12	INR Nine Hundred & Seventy and Paise Twelve Only
23	Supply of Brass full way valve with C.I. wheel (screwed end) 32 mm dia good quality	2	Nos.	567.30	INR	1134.60	INR One Thousand One Hundred & Thirty Four and Paise Sixty Only
24	Supply of Brass full way valve with C.I. wheel (screwed end) 40 mm dia good quality	2	Nos.	665.02	INR	1330.04	INR One Thousand Three Hundred & Thirty and Paise Four Only
25	Supply of Brass full way valve with C.I. wheel (screwed end) 80 mm dia good quality	2	Nos.	2242.97	INR	4485.94	INR Four Thousand Four Hundred & Eighty Five and Paise Ninety Four Only
26	Supply of Bolts and nuts 16 mm dia 60 mm long.	1	Nos.	15.49	INR	15.49	INR Fifteen and Paise Forty Nine Only
27	Supply of Bolts and nuts 16 mm dia 65 mm long.	1	Nos.	16.69	INR	16.69	INR Sixteen and Paise Sixty Nine Only
28	Supply of Gunmetal non-return valve - vertical (screwed end) 25 mm dia.	2	Nos.	485.06	INR	970.12	INR Nine Hundred & Seventy and Paise Twelve Only
29	Supply of Gunmetal non-return valve - vertical (screwed end) 32 mm dia.	2	Nos.	692.44	INR	1384.88	INR One Thousand Three Hundred & Eighty Four and Paise Eighty Eight Only
30	Supply of Gunmetal non-return valve - vertical (screwed end) 40 mm dia.	2	Nos.	968.93	INR	1937.86	INR One Thousand Nine Hundred & Thirty Seven and Paise Eighty Six Only
31	Supply of Gunmetal non-return valve - vertical (screwed end) 50 mm dia.	2	Nos.	1245.43	INR	2490.86	INR Two Thousand Four Hundred & Ninety and Paise Eighty Six Only
32	Supply of PTMT PVC Bib cock 15 mm Standard ISI mark good quality	30	Nos.	97.73	INR	2931.90	INR Two Thousand Nine Hundred & Thirty One and Paise Ninety Only
33	Supply of PTMT PVC Bib cock long body with flange good qualities.	30	Nos.	160.89	INR	4826.70	INR Four Thousand Eight Hundred & Twenty Six and Paise Seventy Only
34	Supply of PTMT Stop cock ( Male thread)15 mm good quality	10	Nos.	97.73	INR	977.30	INR Nine Hundred & Seventy Seven and Paise Thirty Only
35	Supply of PTMT Stop cock 20 mm dia standred good quality	10	Nos.	134.67	INR	1346.70	INR One Thousand Three Hundred & Forty Six and Paise Seventy Only
36	supply of PTMT Ball Cock 15mm complete with Epoxy Coated Aluminium Rod & H.D. Ball complete.	10	Nos.	138.25	INR	1382.50	INR One Thousand Three Hundred & Eighty Two and Paise Fifty Only
37	Supply of PTMT Ball Cock 20mm complete with Epoxy Coated Aluminium Rod & H.D. Ball complete.	10	Nos.	187.11	INR	1871.10	INR One Thousand Eight Hundred & Seventy One and Paise Ten Only
38	Supply of PTMT Ball Cock 25mm complete with Epoxy Coated Aluminium Rod & H.D. Ball Complete.	10	Nos.	401.64	INR	4016.40	INR Four Thousand & Sixteen and Paise Forty Only
39	Supply of PTMT Ball Cock 40mm complete with Epoxy Coated Aluminium Rod & H.D. Ball complete.	5	Nos.	665.02	INR	3325.10	INR Three Thousand Three Hundred & Twenty Five and Paise Ten Only
40	Supply PTMT Ball Cock 50mm complete with Epoxy Coated Aluminium Rod & H.D. Ball complete.	2	Nos.	1204.91	INR	2409.82	INR Two Thousand Four Hundred & Nine and Paise Eighty Two Only

41	Supply of PTMT angle stop cock with flange 15 mm dia good quality.	5	Nos.	138.25	INR	691.25	INR Six Hundred & Ninety One and Paise Twenty Five Only
42	Supply of PVC braided connection 15 mm dia 450 mm long with C.P. brass / P.T.M.T. nut, collar bush & washer complete good quality.	100	Nos.	78.66	INR	7866.00	INR Seven Thousand Eight Hundred & Sixty Six Only
43	Supply of Chlorinated Polyvinyl - chloride (CPVC) pipe 15 mm outer dia ISI mark.	20	Metre	66.74	INR	1334.80	INR One Thousand Three Hundred & Thirty Four and Paise Eighty Only
44	Supply of Chlorinated Polyvinyl - chloride (CPVC) pipe 20 mm outer dia ISI mark.	100	Metre	107.26	INR	10726.00	INR Ten Thousand Seven Hundred & Twenty Six Only
45	Supply of Chlorinated Polyvinyl - chloride (CPVC) pipe 25 mm outer dia ISI mark.	100	Metre	157.32	INR	15732.00	INR Fifteen Thousand Seven Hundred & Thirty Two Only
46	Supply of Chlorinated Polyvinyl - chloride (CPVC) pipe 32 mm outer dia ISI mark.	50	Metre	226.44	INR	11322.00	INR Eleven Thousand Three Hundred & Twenty Two Only
47	Supply of Chlorinated Polyvinyl - chloride (CPVC) pipe 40 mm outer dia ISI mark.	50	Metre	317.02	INR	15851.00	INR Fifteen Thousand Eight Hundred & Fifty One Only
48	Supply of Chlorinated Polyvinyl - chloride (CPVC) pipe 50 mm outer dia ISI mark.	50	Metre	519.63	INR	25981.50	INR Twenty Five Thousand Nine Hundred & Eighty One and Paise Fifty Only
49	Supply of Chlorinated Polyvinyl - chloride (CPVC) pipe 62.5 mm outer dia ISI mark.	2	Metre	1097.65	INR	2195.30	INR Two Thousand One Hundred & Ninety Five and Paise Thirty Only
50	Supply of Chlorinated Polyvinyl - chloride (CPVC) pipe 75 mm outer dia ISI mark.	2	Metre	1427.78	INR	2855.56	INR Two Thousand Eight Hundred & Fifty Five and Paise Fifty Six Only
51	Supply of Contactors 9 Amp AC-3 duty, MNX 9 cat no. CS94106 L&T make.	1	Nos.	891.47	INR	891.47	INR Eight Hundred & Ninety One and Paise Forty Seven Only
52	Supply of Contactors 12 Amp AC-3 duty, MNX 12 cat no. CS94108 L&T make.	1	Nos.	1035.67	INR	1035.67	INR One Thousand & Thirty Five and Paise Sixty Seven Only
53	Supply of Contactors 18 Amp AC-3, MNX 18 cat no. CS94100 L&T make.	1	Nos.	1201.33	INR	1201.33	INR One Thousand Two Hundred & One and Paise Thirty Three Only
54	Supply of Contactors 25 Amp AC-3, MNX 25 cat no. CS94110 L&T make.	1	Nos.	1473.07	INR	1473.07	INR One Thousand Four Hundred & Seventy Three and Paise Seven Only
55	Supply of Contactors 40 Amp AC-3, MNX 40 cat no. CS94190 L&T make.	1	Nos.	5110.44	INR	5110.44	INR Five Thousand One Hundred & Ten and Paise Forty Four Only
56	Supply of Contactors 16 Amp, AC-3, MU 1 415V cat no. S94007DOOO L&T make.	1	Nos.	2264.42	INR	2264.42	INR Two Thousand Two Hundred & Sixty Four and Paise Forty Two Only
57	Supply of Contactors 70 Amp, AC-3, ML4 cat no. SS90910 L&T make.	1	Nos.	16489.75	INR	16489.75	INR Sixteen Thousand Four Hundred & Eighty Nine and Paise Seventy Five Only
58	Supply of Overload relay 45 A to 75 Amp, MN5 cat no. SS94137OOJO L&T make.	1	Nos.	4518.11	INR	4518.11	INR Four Thousand Five Hundred & Eighteen and Paise Eleven Only
59	Supply of Overload relay MN2 9A to 15 Amp, cat no. SS94142OOBO L&T make.	1	Nos.	1561.26	INR	1561.26	INR One Thousand Five Hundred & Sixty One and Paise Twenty Six Only
60	Supply of Overload relay MN2, 24A to 40 Amp, cat no. SS94145OOFO L&T make.	1	Nos.	2630.30	INR	2630.30	INR Two Thousand Six Hundred & Thirty and Paise Thirty Only
61	Supply of Overload relay ML 2/3 13 A to 21 Amp, cat no. SS91859OOCO L&T make.	1	Nos.	3760.13	INR	3760.13	INR Three Thousand Seven Hundred & Sixty and Paise Thirteen Only
62	Supply of Overload relay ML 2/3 28A to 42 Amp, cat no. SS91859OOFO L&T make.	1	Nos.	3760.13	INR	3760.13	INR Three Thousand Seven Hundred & Sixty and Paise Thirteen Only

63	Supply of water level controller 415 Volt, Single tank application with probes ( set of 3 Nos.) cat no. XM810560000 and XM810510000 L&T make.	1	Nos.	1678.05	INR	1678.05	INR One Thousand Six Hundred & Seventy Eight and Paise Five Only
64	Supply of pneumatic Timer Block "ON/OFF" Delay site selectable 1 NO + 1 NC (10 to 180 Sec) for motor starter cat no. C320TP2 BCH make.	1	Nos.	1477.83	INR	1477.83	INR One Thousand Four Hundred & Seventy Seven and Paise Eighty Three Only
65	Supply of Voltage monitoring relay SM 175, 3 phase 3 wire, for phase loss + Phase Sequence + Under voltage + Over Voltage monitoring (UV: -2% to -20%, OV:- 2% to 20%) with time delay facility cat no. MD21DF GIC Slazer L&T make.	1	Nos.	1456.38	INR	1456.38	INR One Thousand Four Hundred & Fifty Six and Paise Thirty Eight Only
66	Supply of MNX Front Add-on aux. contact Block (1 NO + 1 NC) cat no. CS94118^ L&T make.	1	Nos.	382.57	INR	382.57	INR Three Hundred & Eighty Two and Paise Fifty Seven Only
67	Supply of MNX Front Add-on aux. contact Block (2 NO + 2 NC) cat no. CS94114^ L&T make.	1	Nos.	575.64	INR	575.64	INR Five Hundred & Seventy Five and Paise Sixty Four Only
68	Supply of Terminal Block 60A-3way(For MU-G10/20) cat no. CS948060000 L&T(LK) make.	1	Nos.	148.98	INR	148.98	INR One Hundred & Forty Eight and Paise Ninety Eight Only
69	Supply of Terminal Block 100A-3way(For MU-G30/50) cat no. CS943380000 L&T(LK) make.	1	Nos.	952.25	INR	952.25	INR Nine Hundred & Fifty Two and Paise Twenty Five Only
70	Supply of Indicating lamp 415 Volt Red, Yellow, Blue, Green cat no. CS948100000 L&T(LK) make.	1	Nos.	282.46	INR	282.46	INR Two Hundred & Eighty Two and Paise Forty Six Only
71	Supply of Rocker switch (For MU-G6 to MU-G20) cat no. CS902840000 L&T(LK) make.	1	Nos.	71.51	INR	71.51	INR Seventy One and Paise Fifty One Only
72	Supply of Rocker switch (For MU-G30 to MU-G75) cat no. CS902720000 L&T(LK) make.	1	Nos.	127.52	INR	127.52	INR One Hundred & Twenty Seven and Paise Fifty Two Only
73	Supply of SPPR type SDz5,380V (For MU-G30/40/50/75) cat no. XM818070000 L&T(LK) make.	1	Nos.	1511.20	INR	1511.20	INR One Thousand Five Hundred & Eleven and Paise Twenty Only
74	Supply of C.I Bib cock 15 mm dia good quality	30	Nos.	261.00	INR	7830.00	INR Seven Thousand Eight Hundred & Thirty Only
75	Supply of G.I. Socket 15 mm dia ISI mark good quality	20	Nos.	26.22	INR	524.40	INR Five Hundred & Twenty Four and Paise Forty Only
76	Supply of G.I. Socket 20 mm dia ISI mark good quality	20	Nos.	44.10	INR	882.00	INR Eight Hundred & Eighty Two Only
77	Supply of G.I. Socket 25 mm dia ISI mark good quality	20	Nos.	57.21	INR	1144.20	INR One Thousand One Hundred & Forty Four and Paise Twenty Only
78	Supply of G.I. Socket 32 mm dia ISI mark good quality	20	Nos.	83.43	INR	1668.60	INR One Thousand Six Hundred & Sixty Eight and Paise Sixty Only
79	Supply of G.I. Socket 40 mm dia ISI mark good quality	10	Nos.	106.07	INR	1060.70	INR One Thousand & Sixty and Paise Seventy Only
80	Supply of G.I. Socket 50 mm dia ISI mark good quality	5	Nos.	157.32	INR	786.60	INR Seven Hundred & Eighty Six and Paise Sixty Only
81	Supply of G.I. Tee 15 mm dia ISI mark good quality	10	Nos.	44.10	INR	441.00	INR Four Hundred & Forty One Only
82	Supply of G.I. Tee 20 mm dia ISI mark good quality	10	Nos.	67.93	INR	679.30	INR Six Hundred & Seventy Nine and Paise Thirty Only
83	Supply of G.I. Tee 25 mm dia ISI mark good quality	5	Nos.	94.15	INR	470.75	INR Four Hundred & Seventy and Paise Seventy Five Only

84	Supply of G.I. Tee 32 mm dia ISI mark good quality	2	Nos.	158.51	INR	317.02	INR Three Hundred & Seventeen and Paise Two Only
85	Supply of G.I. Tee 40 mm dia ISI mark good quality	2	Nos.	204.99	INR	409.98	INR Four Hundred & Nine and Paise Ninety Eight Only
86	Supply of G.I. Tee 50 mm dia ISI mark good quality	2	Nos.	334.90	INR	669.80	INR Six Hundred & Sixty Nine and Paise Eighty Only
87	Supply of G.I. Elbow 15 mm dia ISI mark good quality	10	Nos.	27.41	INR	274.10	INR Two Hundred & Seventy Four and Paise Ten Only
88	Supply of G.I. Elbow 20 mm dia ISI mark good quality	10	Nos.	50.06	INR	500.60	INR Five Hundred and Paise Sixty Only
89	Supply of G.I. Elbow 25 mm dia ISI mark good quality	5	Nos.	67.93	INR	339.65	INR Three Hundred & Thirty Nine and Paise Sixty Five Only
90	Supply of G.I. Elbow 32 mm dia ISI mark good quality	2	Nos.	112.03	INR	224.06	INR Two Hundred & Twenty Four and Paise Six Only
91	Supply of G.I. Elbow 40 mm dia ISI mark good quality	2	Nos.	139.44	INR	278.88	INR Two Hundred & Seventy Eight and Paise Eighty Eight Only
92	Supply of G.I. Elbow 50 mm dia ISI mark good quality	2	Nos.	263.39	INR	526.78	INR Five Hundred & Twenty Six and Paise Seventy Eight Only
93	Supply of Hexa Nipple 15 mm dia ISI mark good quality	20	Nos.	25.03	INR	500.60	INR Five Hundred and Paise Sixty Only
94	Supply of Hexa Nipple 20 mm dia ISI mark good quality	20	Nos.	36.95	INR	739.00	INR Seven Hundred & Thirty Nine Only
95	Supply of Hexa Nipple 25 mm dia ISI mark good quality	20	Nos.	64.36	INR	1287.20	INR One Thousand Two Hundred & Eighty Seven and Paise Twenty Only
96	Supply of Hexa Nipple 32 mm dia ISI mark good quality	2	Nos.	106.07	INR	212.14	INR Two Hundred & Twelve and Paise Fourteen Only
97	Supply of Hexa Nipple 40 mm dia ISI mark good quality	2	Nos.	127.52	INR	255.04	INR Two Hundred & Fifty Five and Paise Four Only
98	Supply of Hexa Nipple 50 mm dia ISI mark good quality	2	Nos.	210.95	INR	421.90	INR Four Hundred & Twenty One and Paise Ninety Only
99	Supply of Plug for G.I. Pipe 15 mm dia ISI mark good quality	20	Nos.	10.73	INR	214.60	INR Two Hundred & Fourteen and Paise Sixty Only
100	Supply of Plug for G.I. Pipe 20 mm dia ISI mark good quality	20	Nos.	17.88	INR	357.60	INR Three Hundred & Fifty Seven and Paise Sixty Only
101	Supply of Plug for G.I. Pipe 25 mm dia ISI mark good quality	10	Nos.	27.41	INR	274.10	INR Two Hundred & Seventy Four and Paise Ten Only
102	Supply of Plug for G.I. Pipe 32 mm dia ISI mark good quality	5	Nos.	45.29	INR	226.45	INR Two Hundred & Twenty Six and Paise Forty Five Only
103	Supply of Plug for G.I. Pipe 40 mm dia ISI mark good quality	5	Nos.	60.78	INR	303.90	INR Three Hundred & Three and Paise Ninety Only
104	Supply of Plug for G.I. Pipe 50 mm dia ISI mark good quality	2	Nos.	95.34	INR	190.68	INR One Hundred & Ninety and Paise Sixty Eight Only
105	Supply of G.I Barrel Nipple 15 mm X 3" long good quality	10	Nos.	32.18	INR	321.80	INR Three Hundred & Twenty One and Paise Eighty Only
106	Supply of G.I Barrel Nipple 15 mm X 4" long good quality	10	Nos.	36.95	INR	369.50	INR Three Hundred & Sixty Nine and Paise Fifty Only
107	Supply of G.I Barrel Nipple 20 mm X 3" long good quality	10	Nos.	35.75	INR	357.50	INR Three Hundred & Fifty Seven and Paise Fifty Only
108	Supply of G.I Barrel Nipple 20 mm X 4" long good quality	10	Nos.	44.10	INR	441.00	INR Four Hundred & Forty One Only
109	Supply of G.I Barrel Nipple 25 mm X 4" long good quality	10	Nos.	64.36	INR	643.60	INR Six Hundred & Forty Three and Paise Sixty Only
110	Supply of G.I Barrel Nipple 32 mm X 3" long good quality	10	Nos.	85.81	INR	858.10	INR Eight Hundred & Fifty Eight and Paise Ten Only



111	Supply of forged Brass Ball valve 15 mm dia good Quality	10	Nos.	409.98	INR	4099.80	INR Four Thousand & Ninety Nine and Paise Eighty Only
112	Supply of forged Brass Ball valve 20 mm dia good Quality	10	Nos.	564.91	INR	5649.10	INR Five Thousand Six Hundred & Forty Nine and Paise Ten Only
113	Supply of forged Brass Ball valve 25 mm dia good Quality	10	Nos.	878.36	INR	8783.60	INR Eight Thousand Seven Hundred & Eighty Three and Paise Sixty Only
114	Supply of forged Brass Ball valve 32 mm dia good Quality	10	Nos.	1500.48	INR	15004.80	INR Fifteen Thousand & Four and Paise Eighty Only
115	Supply of forged Brass Ball valve 40 mm dia good Quality	10	Nos.	2184.57	INR	21845.70	INR Twenty One Thousand Eight Hundred & Forty Five and Paise Seventy Only
116	Supply of forged Brass Ball valve 50 mm dia good Quality	10	Nos.	3135.63	INR	31356.30	INR Thirty One Thousand Three Hundred & Fifty Six and Paise Thirty Only
117	Supply of CPVC pipe Coupler plain for 15 mm outer Dia.	10	Nos.	9.53	INR	95.30	INR Ninety Five and Paise Thirty Only
118	Supply of CPVC pipe Coupler plain for 20 mm outer Dia.	50	Nos.	13.11	INR	655.50	INR Six Hundred & Fifty Five and Paise Fifty Only
119	Supply of CPVC pipe Coupler plain for 25 mm outer Dia.	20	Nos.	21.45	INR	429.00	INR Four Hundred & Twenty Nine Only
120	Supply of CPVC pipe Coupler plain for 32 mm outer Dia.	10	Nos.	41.71	INR	417.10	INR Four Hundred & Seventeen and Paise Ten Only
121	Supply of CPVC pipe Coupler plain for 40 mm outer Dia.	10	Nos.	77.47	INR	774.70	INR Seven Hundred & Seventy Four and Paise Seventy Only
122	Supply of CPVC pipe Coupler plain for 50 mm outer Dia.	10	Nos.	163.28	INR	1632.80	INR One Thousand Six Hundred & Thirty Two and Paise Eighty Only
123	Supply of CPVC pipe Elbow plain for 15 mm outer Dia.	10	Nos.	11.92	INR	119.20	INR One Hundred & Nineteen and Paise Twenty Only
124	Supply of CPVC pipe Elbow plain for 20 mm outer Dia.	10	Nos.	15.49	INR	154.90	INR One Hundred & Fifty Four and Paise Ninety Only
125	Supply of CPVC pipe Elbow plain for 25 mm outer Dia.	10	Nos.	32.18	INR	321.80	INR Three Hundred & Twenty One and Paise Eighty Only
126	Supply of CPVC pipe Elbow plain for 32 mm outer Dia.	5	Nos.	69.12	INR	345.60	INR Three Hundred & Forty Five and Paise Sixty Only
127	Supply of CPVC pipe Elbow plain for 40 mm outer Dia.	5	Nos.	132.29	INR	661.45	INR Six Hundred & Sixty One and Paise Forty Five Only
128	Supply of CPVC pipe Elbow plain for 50 mm outer Dia.	5	Nos.	270.54	INR	1352.70	INR One Thousand Three Hundred & Fifty Two and Paise Seventy Only
129	Supply of CPVC pipe Equil Tee plain for 15 mm outer Dia.	5	Nos.	16.69	INR	83.45	INR Eighty Three and Paise Forty Five Only
130	Supply of CPVC pipe Equil Tee plain for 20 mm outer Dia.	10	Nos.	26.22	INR	262.20	INR Two Hundred & Sixty Two and Paise Twenty Only
131	Supply of CPVC pipe Equil Tee plain for 25 mm outer Dia.	10	Nos.	41.71	INR	417.10	INR Four Hundred & Seventeen and Paise Ten Only
132	Supply of CPVC pipe Equil Tee plain for 32 mm outer Dia.	5	Nos.	87.00	INR	435.00	INR Four Hundred & Thirty Five Only
133	Supply of CPVC pipe Equil Tee plain for 40 mm outer Dia.	5	Nos.	159.70	INR	798.50	INR Seven Hundred & Ninety Eight and Paise Fifty Only
134	Supply of CPVC pipe Equil Tee plain for 50 mm outer Dia.	5	Nos.	339.66	INR	1698.30	INR One Thousand Six Hundred & Ninety Eight and Paise Thirty Only
135	Supply of CPVC pipe End cap plain for 15 mm outer Dia.	5	Nos.	7.15	INR	35.75	INR Thirty Five and Paise Seventy Five Only
136	Supply of CPVC pipe End cap plain for 20 mm outer Dia.	10	Nos.	11.92	INR	119.20	INR One Hundred & Nineteen and Paise Twenty Only

137	Supply of CPVC pipe End cap plain for 25 mm outer Dia.	10	Nos.	17.88	INR	178.80	INR One Hundred & Seventy Eight and Paise Eighty Only
138	Supply of CPVC pipe End cap plain for 32 mm outer Dia.	5	Nos.	36.95	INR	184.75	INR One Hundred & Eighty Four and Paise Seventy Five Only
139	Supply of CPVC pipe End cap plain for 40 mm outer Dia.	5	Nos.	54.82	INR	274.10	INR Two Hundred & Seventy Four and Paise Ten Only
140	Supply of CPVC pipe End cap plain for 50 mm outer Dia.	5	Nos.	117.99	INR	589.95	INR Five Hundred & Eighty Nine and Paise Ninety Five Only
141	Supply of CPVC pipe Male Threaded Adaptor for 20 mm outer Dia.	5	Nos.	19.07	INR	95.35	INR Ninety Five and Paise Thirty Five Only
142	Supply of CPVC pipe Male Threaded Adaptor for 25 mm outer Dia.	5	Nos.	28.60	INR	143.00	INR One Hundred & Forty Three Only
143	Supply of CPVC pipe Male Threaded Adaptor for 32 mm outer Dia.	5	Nos.	47.67	INR	238.35	INR Two Hundred & Thirty Eight and Paise Thirty Five Only
144	Supply of CPVC pipe Male Threaded Adaptor for 40 mm outer Dia.	2	Nos.	71.51	INR	143.02	INR One Hundred & Forty Three and Paise Two Only
145	Supply of CPVC pipe Male Threaded Adaptor for 50 mm outer Dia.	2	Nos.	139.44	INR	278.88	INR Two Hundred & Seventy Eight and Paise Eighty Eight Only
146	Supply of CPVC pipe Female Threaded Adaptor for 20 mm outer Dia.	5	Nos.	25.03	INR	125.15	INR One Hundred & Twenty Five and Paise Fifteen Only
147	Supply of CPVC pipe Female Threaded Adaptor for 25 mm outer Dia.	5	Nos.	36.95	INR	184.75	INR One Hundred & Eighty Four and Paise Seventy Five Only
148	Supply of CPVC pipe Female Threaded Adaptor for 32 mm outer Dia.	5	Nos.	95.34	INR	476.70	INR Four Hundred & Seventy Six and Paise Seventy Only
149	Supply of CPVC pipe Female Threaded Adaptor for 40 mm outer Dia.	2	Nos.	126.33	INR	252.66	INR Two Hundred & Fifty Two and Paise Sixty Six Only
150	Supply of CPVC pipe Female Threaded Adaptor for 50 mm outer Dia.	2	Nos.	199.03	INR	398.06	INR Three Hundred & Ninety Eight and Paise Six Only
151	Supply of CPVC pipe Male Threaded Adaptor with brass insert for 15 mm outer Dia.	2	Nos.	126.33	INR	252.66	INR Two Hundred & Fifty Two and Paise Sixty Six Only
152	Supply of CPVC pipe Male Threaded Adaptor with brass insert for 20 mm outer Dia.	5	Nos.	168.04	INR	840.20	INR Eight Hundred & Forty and Paise Twenty Only
153	Supply of CPVC pipe Male Threaded Adaptor with brass insert for 25 mm outer Dia.	5	Nos.	262.20	INR	1311.00	INR One Thousand Three Hundred & Eleven Only
154	Supply of CPVC pipe Male Threaded Adaptor with brass insert for 25 x 20 mm outer Dia.	2	Nos.	210.95	INR	421.90	INR Four Hundred & Twenty One and Paise Ninety Only
155	Supply of CPVC pipe Female Threaded Adaptor with brass insert for 15 mm outer Dia.	2	Nos.	121.56	INR	243.12	INR Two Hundred & Forty Three and Paise Twelve Only
156	Supply of CPVC pipe Female Threaded Adaptor with brass insert for 20 mm outer Dia.	5	Nos.	171.62	INR	858.10	INR Eight Hundred & Fifty Eight and Paise Ten Only
157	Supply of CPVC pipe Female Threaded Adaptor with brass insert for 25 mm outer Dia.	5	Nos.	270.54	INR	1352.70	INR One Thousand Three Hundred & Fifty Two and Paise Seventy Only
158	Supply of CPVC pipe reducer type Female Threaded Adaptor with brass insert for 25x20 mm outer Dia.	2	Nos.	108.45	INR	216.90	INR Two Hundred & Sixteen and Paise Ninety Only
159	Supply of CPVC pipe Female Threaded Elbow with brass insert for 20 mm outer Dia.	2	Nos.	85.81	INR	171.62	INR One Hundred & Seventy One and Paise Sixty Two Only

<b>160</b>	Supply of CPVC pipe Female Threaded Elbow with brass insert for 25 mm outer Dia.	2	Nos.	320.59	<b>INR</b>	<b>641.18</b>	INR Six Hundred & Forty One and Paise Eighteen Only
<b>161</b>	Supply of CPVC pipe reducer type Female Threaded Elbow with brass insert for 25x20 mm outer Dia.	2	Nos.	189.50	<b>INR</b>	<b>379.00</b>	INR Three Hundred & Seventy Nine Only
<b>162</b>	Supply of CPVC Ball Valves Union type for 15 mm outer Dia.	2	Nos.	82.23	<b>INR</b>	<b>164.46</b>	INR One Hundred & Sixty Four and Paise Forty Six Only
<b>163</b>	Supply of CPVC Ball Valves Union type for 20 mm outer Dia.	10	Nos.	141.82	<b>INR</b>	<b>1418.20</b>	INR One Thousand Four Hundred & Eighteen and Paise Twenty Only
<b>164</b>	Supply of CPVC Ball Valves Union type for 25 mm outer Dia.	10	Nos.	256.24	<b>INR</b>	<b>2562.40</b>	INR Two Thousand Five Hundred & Sixty Two and Paise Forty Only
<b>165</b>	Supply of CPVC Ball Valves Union type for 32 mm outer Dia.	5	Nos.	414.75	<b>INR</b>	<b>2073.75</b>	INR Two Thousand & Seventy Three and Paise Seventy Five Only
<b>166</b>	Supply of CPVC Ball Valves Union type for 40 mm outer Dia.	5	Nos.	709.12	<b>INR</b>	<b>3545.60</b>	INR Three Thousand Five Hundred & Forty Five and Paise Sixty Only
<b>167</b>	Supply of CPVC Ball Valves Union type for 50 mm outer Dia.	5	Nos.	1243.05	<b>INR</b>	<b>6215.25</b>	INR Six Thousand Two Hundred & Fifteen and Paise Twenty Five Only
<b>168</b>	Supply of Solvent Cement ( yellow) 225 to 250 ml pack for jointing of CPVC Pipe and fittings.	10	Nos.	308.68	<b>INR</b>	<b>3086.80</b>	INR Three Thousand & Eighty Six and Paise Eighty Only
<b>169</b>	Supply of C.I.body wafer type Buterfly valve 40 mm with S.S. disc, Nitrile Rubber Seal & O- Ring PN 16 pressure rating for chilled water/hot eater circulation.	2	Nos.	2032.02	<b>INR</b>	<b>4064.04</b>	INR Four Thousand & Sixty Four and Paise Four Only
<b>170</b>	Supply of C.I.body wafer type Buterfly valve 50 mm with S.S. disc, Nitrile Rubber Seal & O- Ring PN 16 pressure rating for chilled water/hot eater circulation.	2	Nos.	2032.02	<b>INR</b>	<b>4064.04</b>	INR Four Thousand & Sixty Four and Paise Four Only
<b>171</b>	Supply of C.I.body wafer type Buterfly valve 65 mm with S.S. disc, Nitrile Rubber Seal & O- Ring PN 16 pressure rating for chilled water/hot eater circulation.	2	Nos.	2145.24	<b>INR</b>	<b>4290.48</b>	INR Four Thousand Two Hundred & Ninety and Paise Forty Eight Only
<b>172</b>	Supply of C.I.body wafer type Buterfly valve 80 mm with S.S. disc, Nitrile Rubber Seal & O- Ring PN 16 pressure rating for chilled water/hot eater circulation.	2	Nos.	2372.87	<b>INR</b>	<b>4745.74</b>	INR Four Thousand Seven Hundred & Forty Five and Paise Seventy Four Only
<b>173</b>	Supply of C.I.body wafer type Buterfly valve 100 mm with S.S. disc, Nitrile Rubber Seal & O- Ring PN 16 pressure rating for chilled water/hot eater circulation.	1	Nos.	3121.32	<b>INR</b>	<b>3121.32</b>	INR Three Thousand One Hundred & Twenty One and Paise Thirty Two Only
<b>174</b>	Supply of Technician Uniform (Pent & Shirt) as sample approved.	44	Pair	1716.19	<b>INR</b>	<b>75512.36</b>	INR Seventy Five Thousand Five Hundred & Twelve and Paise Thirty Six Only
<b>175</b>	Supply of industrial Safety Shoes Allen Cooper	22	Pair	1527.89	<b>INR</b>	<b>33613.58</b>	INR Thirty Three Thousand Six Hundred & Thirteen and Paise Fifty Eight Only
<b>176</b>	Supply of High Density Safety Helmet with touch light	2	Each	1196.57	<b>INR</b>	<b>2393.14</b>	INR Two Thousand Three Hundred & Ninety Three and Paise Fourteen Only
<b>177</b>	Supply of High Density Safety Helmet	22	Each	276.50	<b>INR</b>	<b>6083.00</b>	INR Six Thousand & Eighty Three Only

178	Supply of Safety Jacket	20	Each	44.10	INR	882.00	INR Eight Hundred & Eighty Two Only
Total in Figures						510063.97	INR Two Lakh Seventy Seven Thousand One Hundred & Fifty Two and Paise Forty Nine Only
Quoted Rate in Figures			Select			0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only					

**Note:**

- Vendors should not send any hardcopy of bids and other documents to IIT Roorkee.**
- The lowest bid shall be evaluated on the basis of total cost of Part-A & Part-B (including GST).
- If any bidders quotes Nil or Zero service charges / consideration, the bid shall be treated as unresponsive and will not be considered as per Ministry of Finance Department of Expenditure Office Memo No. 29(1)/2014-PPD dt. 28.01.2014.
- Daily Wages are variable as per government notification. Successful bidder has to pay the minimum wages as per current prevailing rates to the deployed manpower on daily wages basis and bidder will be paid accordingly.
- GST would be paid extra on Part A & B as notified by the government from time to time.**
- Service charges to be filled in the form of percentage basis.
- No. of Man days & materials quantity are variable. It may be increased or decreased as required.
- Vendor will arrange safety gears such as safety shoes, safety helmets, gloves, sleeveless jacket etc. for the manpower deployed at his own cost. If the manpower is found not wearing safety gears, a penalty of Rs. 200 per violation will be imposed by the EIC.**
- Decision of IIT Roorkee will be final in the matter of withdrawal / removal of any of the outsourced personnel deployed by the Agency and shall be binding on the Agency and the Agency shall replace such personnel at the earliest.
- In case the property of the IIT Roorkee is damaged or defaced due to misuse or mishandling or carelessness by the Agency or his employees, the Agency will be liable to replace the item at his own cost or the Institute shall have the right to recover the loss from the Agency's monthly bills.
- The Agency's staff will not be treated as the Institute's staff for any purpose whatsoever. The Agency shall be responsible for strict compliance of all statutory provisions of relevant labour laws applicable from time to time in carrying out the above job. The Institute shall not be liable to meet any penalty for non-compliance under relevant rules, enactment or related regulations for which Agency is responsible under the law.
- The outsourcing staff deployed by the Agency shall have absolutely no claim for employment at the Institute or any other claim on the Institute.
- The entire risk and liability regarding any damage, death or injury to the outsourcing personnel will be that of the Agency.
- Based on the requirement of each job, the candidates recommended by the Agency for engagement / deployment will be decided by IIT Roorkee and decision of the IIT Roorkee will be final in this regard. In case IIT Roorkee in its discretion finds any deployed person as not desirable or not suitable for whatever reasons will be at the sole discretion of the IIT Roorkee and upon so being notified by IIT Roorkee, the Agency shall be liable to withdraw such person(s) forthwith and substitute by a person(s) acceptable to IIT Roorkee.
- Office timings will be as per Institute norms OR as directed by Engineer-in-charge.
- The persons employed by the Agency will not indulge in any unlawful or illegal activities which are against the interests of the IIT Roorkee.
- IIT Roorkee shall have no liability whatsoever towards any other personnel or equipment of the Agency. All statutory requirements for the workmen are to be borne by the Agency and shall be the sole responsibility of the Agency.
- The Institute shall have the right to adjust, readjust or deduct any of the amounts as aforesaid from the payment to be made to the agency under this contract or out of the security deposits of the agency.

19. The contract shall be awarded initially for one year and may be extended for further one years, if the outsourcing services provided by the Agency are found to be satisfactory by the Institute. Thereof during the extension period, if granted, the increase if any, in the minimum wages and their statutory charges will be proportionally incorporated in these charges on providing proof of such increase by the Agency.
20. None of the staff of the Agency shall enter into any kind of private work at different locations of the Institute during working hours or otherwise, failing which appropriate penalty shall be imposed without giving any notice.
21. ***The Agency will apply to the labour commissioner for obtaining a labour license for Uttarakhand and will submit a copy of license to the Institute within 30 days from the date of award of the contract.***
22. Smoking, drinking and use of drugs by the workers deployed by the Agency are totally prohibited. If any worker is found guilty on this account, the Agency shall immediately remove such workers from the Institute. Such a person will not be rehired in the Institute, under any circumstances.
23. The outsourcing agency would be responsible for maintenance of the leave record of the workmen/personnel engaged by the agency. The leave applications of the outsourcing manpower would be forwarded to the outsourcing agency and the agency would be responsible to keep record of their leaves and follow the relevant rules in this regard. The bills may be raised accordingly.

**Responsibilities of the bidder:**

1. To maintain the record of ESIC, EPF etc. related to manpower.
2. Make the attendance record on daily basis.
3. Initiate the billing process, payment of wages, ESIC Card, Gate pass & EPF timely.
4. Providing of Account statement for the purpose of payment verification.
5. Providing pay slip to workmen every month.
6. The Agency should provide identity cards to its staff, appointment/experience letters to each employee, clearly mentioning the term and conditions of employment.
7. The deployed outsourcing personnel must carry and display their identity cards.
8. The successful bidder should open a local office in Roorkee or nearby area to IIT Roorkee. The complete address and contact person details shall be given and all correspondence will be made on this address only. At least one Representative / Supervisor or above level personnel should be deployed in the Institute who can visit the Institute on regular basis.
9. Bidder shall be bound to pay salaries of the employed manpower by 10th of every month. Failing which a penalty of 0.5% per week from the total running bill subject to a maximum 5% (five percent) of the contract value may be imposed.
10. Material required for maintenance will be provided by bidder through rate contract as per the direction of EIC as and when required. During execution, requirement of materials (mentioned in BOQ) as and when required, shall be informed to the firm through hardcopy or email (email-id as provided by the firm during tender submission). Vendor shall be bound to deliver the material with-in 10 days of receiving the requirements. Failing which a penalty of 0.5% per week from the total running bill subject to a maximum 5% (five percent) of the contract value may be imposed.
11. The Agency shall be responsible for proper maintenance of decorum, punctuality, discipline and work output.

**Sd-  
Institute Engineer  
IWD, IIT Roorkee**