## TENDER DOCUMENT FOR IMPLEMENTATION OF IMPROVEMENT OF WATER QUALITY OF THE EXISTING ESS AT THE JEC PREMISE

TENDER NOTICE NO .: JEC/AQIS/NE-REGION 2016-17/WATER/1

NAME OF BIDDER:



JORHAT ENGINEERING COLLEGE, GARMUR, JORHAT, ASSAM-785007

# PART-I GENERAL DETAILS

#### JORHAT ENGINEERING COLLEGE GARMUR, JORHAT, ASSAM, INDIA, PIN-785007 www.jecassam.ac.in

Email id : goswami\_rituparna@rediffmail.com

#### TENDER NOTICE NO. JEC/AQIS/NE-REGION 2016-17/WATER/1

Sealed offers are invited by 14.05.2021 up to 11.00 A.M. for and on behalf of JORHAT ENGINEERING COLLEGE from reputed and resourceful Contractors for the work of IMPROVEMENT OF WATER QUALITY OF THE EXISTING ESS AT THE JEC PREMISE, GARMUR, JORHAT-785007 (ASSAM).

The detailed notice, eligibility criteria and Tender document can be seen from the advertisement published. The undersigned reserves all the rights to reject any or all the tenders without assigning any reason.

Corrigendum/Addendum if any to this would be loaded in our website www.jecassam.ac.in.

For details log on to our website www.jecassam.ac.in

Dr. Reeta Sarmah Principal, Jorhat Engineering College FROM:- (Full name and address of the tenderer)

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Subject: - Offer in response to Tender Notice No. JEC/AQIS/NE-REGION 2016-17/WATER/1

Sir,

We hereby submit our offer in full compliance with terms & conditions of the attached tender in Part-I (Technical Bid) & Part-II (Financial Bid).

(Signature of Tenderer)

Seal

#### JEC/AQIS/NE-REGION 2016-17/WATER/1

## NOTICE INVITING TENDER

JORHAT ENGINEERING COLLEGE, GARMUR, JORHAT, ASSAM-785007, invites sealed tenders from reputed and resourceful Contractors having EPF/Sales tax/DVAT/PAN etc. for the under mentioned works in 3 (three) envelop system:

Name	:	IMPROVEMENT OF WATER QUALITY OF THE EXISTING ESS AT THE JEC PREMISE, GARMUR, JORHAT-785007 (ASSAM).
Estimated Cost	:	Rs. 12, 00, 000/-
Earnest Money Deposit	:	2% of E.C = Rs. 24, 000/-
Time Period	:	3 months
Cost of Tender Document	:	Rs. 1000/- (Inclusive of Taxes)
Last Date of Submission	:	14.05.2021 up to 11.00 am
Date of Opening of		14.05.2021 at 11.30 am
Technical Bid	•	

• Separate envelope(s) should be superscribed as "EMD", "Technical Bid" and "Price Bid".

• The tender document can also be downloaded from our website www.jecassam.ac.in and the requisite fee shall be paid by demand draft in favour of Principal, Jorhat Engineering College, payable at Jorhat along with submission of tender in a separate envelope marked cost of tender form without which the tender submitted will not be entertained.

• Tender without requisite EMD & Tender fee shall be rejected out rightly.

• The date of opening of Price Bid will be intimated to the qualified agencies separately if not opened on the same day.

Dr. Reeta Sarmah

Principal, Jorhat Engineering College

## **GENERAL PARTICULARS OF TENDERER**

SI.	Particulars	Details
1	Name of Tenderer	
2	Postal Address	
3	E-mail	
4	Telephone No.	
5	Name, designation & contact number of the representative of the tenderer to whom all references shall be made.	
6	Nature of the firm (Individual/ Partnership/Consortium/ Pvt. Ltd/Public Ltd. Co. /Public Sector etc.) Attach attested copy of Registration & Partnership deed/ Memorandum of Association.	
7	Amount and particulars of the earnest money deposited.	
8	Annual Turnover for last three years (Attach balance sheets from CA in this regard)	
9	Name and address of the Indian/foreign collaboration if any.	
10	GSTN Registration no.(Copies of Registration Certificates to beenclosed)	
11	Has the tenderer/firm ever been debarred by any institution for undertaking any work?	
12	Any other information attached by the tenderer (Details and Annexure / page no. where its enclosed)	

Tenderers are requested to give their full particulars and legal and financial status.

(Signature of tenderer with Seal)

I/We....(Hereinafter referred to as Tenderer) being desirous of tendering for the work, under this tender and having fully understood the nature of the work and having carefully noted all the terms and conditions, specifications etc. as mentioned in the tender document do hereby declare that-

1. The tenderer is fully aware of all the requirements of the tender document and agrees with all provisions of the tender document and accepts all risks, responsibilities and obligations directly or indirectly connected with the performance of the tender.

2. The tenderer is fully aware of all the relevant information for proper execution of the proposed work, with respect to the proposed place of works/ site, its local environment, approach road and connectivity etc. and is well acquainted with actual and other prevailing working conditions, availability of required materials and labour etc. at site.

3. The tenderer is capable of executing and completing the work as required in the tender and is financially solvent and sound to execute the tendered work. The tenderer is sufficiently experienced and competent to perform the contract to the satisfaction of Institution, IIT Guwahati and AICTE. The tenderer gives the assurance to execute the tendered work as per specifications, terms and conditions of the tender on award of work.

4. The tenderer has no collusion with other tenderers, any employee of or with any other person or firm in the preparation of the tender.

5. The tenderer has not been influenced by any statement or promises by The Institution or IIT Guwahati or AICTE or any of its employees but only by the tender document.

6. The tenderer is familiar with all general and special laws, acts, ordinances, rules and regulations of the Municipal, District, State and Central Government that may affect the work, its performance or personnel employed therein.

7. The tenderer has never been debarred from similar type of work by any Government undertaking/Department. (An undertaking on Stamp paper in this regard shall be submitted)

8. The tenderer accepts that the earnest money may be absolutely forfeited by The Institution if the tenderer fails to sign the contract or to undertake the work within stipulated time.

9. This offer shall remain valid for acceptance for 30 (thirty) days from the proposed date of opening of the Technical Bid.

10. All the information and the statements submitted with the tender are true.

(Signature of Tenderer)

SEAL

## **PART-2** INSTRUCTIONS TO TENDERERS

## **SECTION 1: Instruction for Tenderers**

- a. The details of work to be carried out and its scope is given in the "Notice Inviting Tender" which also indicate a brief description of the project where work is to be executed. The tenderers are advised to study the same carefully before tendering and they shall be deemed to have fully acquainted themselves with the same.
- b. The tenderers, in their own interest, are also advised to inspect and examine the site and its surroundings and satisfy themselves, before submitting their tenders, in respect of the site conditions including, but not restricting to, the following which may influence or effect the work or cost thereof under the contract.

a) Site conditions including access to the site, existing and required roads and other means of transport/communication for use by him in connection with the work.

b) All other information pertaining to and needed for the work including information as to the risks, contingencies and other circumstances which may influence or effect the work or the cost hereof under this contract.

c) The tenderers should note and bear in mind that the institute shall bear no responsibility for the lack of acquaintance of the site and other conditions or any information relating thereto, on their part. The consequences of the lack of any knowledge, as aforesaid, on the part of the tenderer shall be at their risk and cost and no charges or claims whatsoever consequent upon the lack of any information, knowledge of understanding shall be entertained or payable by the institute.

- c. The offer should be valid for 30(Thirty) days from the date of opening of the tender.
- d. The tender should be submitted in the prescribed form and the same should be signed properly as laid down hereunder: -

a) If the tender is submitted by an individual, it shall be signed by the proprietor above his full name and full name of his firm with its current business address.

b) If the tender is submitted by a firm in partnership, it shall be signed by all the partners of the firm above their full name and current business addresses, or by a partner holding the power of attorney of the firm by signing the tender in which case a certified copy of the power of attorney shall accompany the tender. A certified copy of the partnership deed and current business address of all the partners of the firm shall accompany the tenders.

c) If the tender is submitted by a limited company or a limited Corporation, it shall be signed by a duly authorized person holding the power of attorney for signing the tender in which case a certified copy of the power of attorney shall accompany the tender. Such limited company or corporation may be required to furnish satisfactory evidence of its existence before the existence before signature.

d) All witnesses and sureties shall be persons of status and their full names, occupation and addresses shall be stated below their signatures. All signatures affixed on each page in the tender will be dated.

e) The tender for the works shall not be witnessed by a tenderer or tenderers who himself/themselves has/have tendered or who may and has/have tendered for the same works. Failure to observe this condition shall render the tender of the tenderer tendering as well as of the witnessing the tender liable to rejection.

e. (a) If during the tender validity period, the tenderer withdraws his tender the earnest money deposit shall be forfeited.

(b) The earnest money deposit will be returned to the unsuccessful tenderers after expiry of validity period or on finalization of tender whichever is earlier.

- f. The rates shall be written both in words and in figures. Tenderer shall also show the total of each item, the total of each schedule and the grand total of the whole contract, corrections, if any, shall be made by crossing out, initialling, dating and rewriting. In case of conflict between the figures and words in the rates, the later shall prevail.
- g. The corporation shall have the right of rejecting all or any of the tenders and split the work between two or more parties or may reduce the scope of work and also will not be bound to

accept the lowest or any other tender and the Corporation's decision in this regard shall be final and binding on all tenderers.

- h. Tenders will be opened in the presence of tenderers who may be present at the time of opening of tender. Corporation's Officers will be on opening of tender of the absentee tenderer, prepares a statement of the attested and unattested corrections in the tender over their signatures. Such a list shall then be binding on the absentee tenderer.
- i. The tenderers shall not be entitled during the period of validity of their offers, to revoke or withdraw their tenders or vary any terms in regard thereof without the consent of the institute in writing. Tenderer shall get his earnest money paid along with the tender forfeited for any violation of this clause.
- j. If the tenderer fails to commence the work given in the scope of work within 02 days from the date of issue of written order to commence the work, the institute shall have a right to forfeit the earnest money deposited by the tenderer absolutely without prejudice to other rights and remedies available.
- k. The "Notice Inviting Tender" and this "Instructions for Tenderer" shall form part of the Tender Documents.
- I. Any addendum/corrigendum issued before the date of opening of tender will form part of tender documents.
- m. Intending tenderers should visit the site, satisfy themselves regarding the site conditions, location of site, access roads to the site and collect all relevant information required before tendering for the work, tenderer shall be deemed to have full knowledge of the site, specifications and no excuse as regard to wand of information or clarification shall be considered after the tender has been received.

Dated : \_\_\_\_\_

Signature of the Contractor

1.

2.

## SECTION 2: Criteria for Technical & Financial Qualifications: -

- **a.** The yearly turnover of the agency should not be less than Rs. 25 lakhs (Rs. Twenty Five lakhs) during the last three years ending 31st March of the previous year. Copy of balance sheet needs to be enclosed.
- **b.** The agency who have earlier worked with govt. department/ PSU's would be preferred. If worked in private sector TDS certificate may be attached
- **c.** The agency should have independent EPF code No. or should demonstrate its willingness to obtain the same after the award of work.
- d. The agency should have a valid sale tax, service tax, PAN, & DVAT registration No.
- e. The agency should have sufficient & qualified/ experienced technical man power resources. List of such personal be supplied along with the details of their qualification & experience.
- f. The agency should have solvency limit more than Rs. 10 lakhs (Rs. Ten lakhs)
- **g.** Earnest money must accompany with the tender and the same should only be deposited in the form of a DD from any nationalized bank/ Scheduled bank in favour of Principal, Jorhat Engineering College Payable at Jorhat. Tender not accompanied by earnest money shall be rejected. Earnest money in any other form is not acceptable.
- h. The rates shall be written both in words and in figures. The tenderer shall also show the total of each item, the total of each schedule and the grand total of the whole contract. Corrections, if any, shall be made by crossing out, initialling, dating and rewriting. In case of conflict between the figures and words in the rates, the later shall prevail.
- i. Only the firms having suitable infrastructure may apply giving Company's detailed profile, latest ITCC or Copies of latest Income Tax Return and proof of having done the work and giving address, telephone numbers along with performance certificate from their clients, copy of Sales Tax Registration Certificate and works Contract Tax Certificate 1985 (Form II, Rule 4(1), Financial statements for the last three financial years and latest solvency certificate-Not more than 12 months old of any Nationalized Bank/ Scheduled Bank.
- **j.** The above stated requirements are compulsory to be fulfilled by the tenderer and Tendering Authority may also ask for any additional information as may be deemed necessary in public interest.

## **SECTION 3: General Conditions of Contract: Interpretation & Definition**

- 1. The contractor shall take necessary steps to ensure that all persons employed on any work in connection with this contract have noticed that the India Official Secrets Act, 1923 (XIX of 1923) applies to them and shall continue to apply even after the execution of such work under the contract.
- 2. Works to be carried out:- The work to be carried out under the contract shall, except as otherwise provided in these conditions, include all labour, materials, tools, plant, equipment, and transport which may be required in preparation of and for and in the full and entire execution and completion of the works. The descriptions given in the Schedule of Quantities shall, unless otherwise stated, be held to include wastage on materials, carriage and cartage, carrying in return of empties, posting, setting, fitting and fixing in position and all other labour necessary in and for the full and entire execution and completion as aforesaid in accordance with good practice and recognized principles.
- 3. **Discrepancies and adjustment of errors: -** The several documents forming the contract are to be taken as mutually explanatory of one another.
- 4.

4.1 **Refund of security deposit:** - The security deposit will be returned after one year from the date of final completion of the project.

4.2 No interest shall be payable to the contractor against the Security Deposit furnished/recovered from the contractor, by the Corporation.

#### 5. MATERIALS:

A) The Contractor shall at his own expenses, provide all materials required for the work.

i) All material to be provided by the contractor shall be in conformity with the specifications laid down in the contract and the contractor shall, if requested by the Engineer-in-Charge, furnish proof to the satisfaction of Engineer-in-Charge that the materials so comply.

ii) The Contractor shall at his own expenses and without delay supply to the Engineer-incharge samples of materials proposed to be used in the works. The Engineer-in-charge shall within seven days of supply of samples or within such further period as he may require intimate to the contractor in writing, whether samples are approved by him or not. If samples are not approved, the sub-contractor shall forthwith arrange to supply to the Engineer-incharge for his approval fresh samples complying with the specification laid down in the contract.

iii) The Engineer-in-charge shall have full powers to require removal of any or all of the materials brought to site by the Contractor which are not in accordance with the contract specifications or do not conform in character or quality to samples approved by him. In case of default on the part of the contractor in removing rejected materials the Engineer-in-charge shall be at liberty to have them removed by other means. The Engineer-in-charge shall have full powers to procure other proper materials to be substituted for rejected materials and in the event of the contractor refusing to comply, be may cause the same to be supplied by other means. All costs, which may attend upon such removal and/or substitution, shall be borne by the Contractor.

iv) Subject as hereinafter provided in condition all charges on account of octroi, terminal or sales tax and other duties on materials obtained for the works from any source (excluding materials supplied by the corporation) shall be borne by the contractor.

B. General:- Materials required for the works, whether brought by the contractor or supplied by the Corporation, shall be stored by the contractor only at places approved by the Engineer-incharge, storage and safe custody of material shall be the responsibility of the contractor.

I) Corporation officials concerned with the contract shall be entitled at any time to inspect and examine any materials intended to be used in or on the works, either on the site or at factory or workshop or other place(s) where such materials are assembled, fabricated, manufactured or at any places(s) where these are lying or from which these are being obtained and the contractor shall give such facilities as may be required for such inspection and examination.

II) All materials brought to the site shall become and remain the property of the Corporation and shall not be removed off the site without the prior written approval of the Engineer-incharge but whatever the works are finally completed and advance, if any, in respect of any such material is fully recovered, the contractor shall at his own expense forthwith remove from the site all surplus material originally supplied by him and upon such removal, the same shall revest in and become the property of the contractor.

6. **Nuisance:-** The Contractor shall not at any time do, cause or permit any nuisance on site or do anything which shall cause unnecessary disturbance or inconvenience to owners, tenants or occupiers of other properties near the site and to the public generally.

- 7. Contractor's Supervision:- The Contractor shall either himself supervise the execution of the works or shall appoints a competent agent approved by the Engineer-in-charge if the Contractor has himself not sufficient knowledge and experience to be capable of receiving instructions or cannot give his full attention to the works, the contractor, shall at his own expense, employ as his accredited agent an engineer approved by the Engineer-in-charge. Orders given to the contractors' agent shall be considered to have the same force if these had been given to the contractor himself. If the contractor fails to appoint a suitable agency as directed by the Engineer-in-charge, the Engineer-in-charge shall have full powers to suspend the execution of the works until such date as a suitable agent is appointed and the contractor shall be held responsible for the delay so caused to the works.
- 8. The Engineer-in-Charge or his representative shall have powers at any time to inspect and examine any part of the works and the contractor shall give such facilities as may be required for such inspection and examination.
- 9. The contractor shall only engage the skilled/ semiskilled workmen of adequate qualification and experience. The contractor shall get approval from the Engineer-in-Charge before appointing the employee. The Engineer-in-Charge shall examine the qualification and experience of the person and then only the contractor shall depute the same for work.
- 10. **Removal of Workmen :-**The Contractor shall employ in and about the execution of the works only such persons as are skilled and experienced in their several trades and the Engineer-in-charge shall be at liberty to object to and require the contractor to remove from the works any person employed by the sub-contractor in or about the execution of the works who in the opinion of the Engineer-in-charge misconducts himself or is incompetent or negligent in the proper performance of his duties and such person shall not be again employed upon the works without permission of the Engineer-in-charge.
- 11. The contractor shall indemnify and keep indemnified the Corporation against all losses and claims for injuries or damage to any person or any property whatsoever which may arise out of or in consequence of the construction and maintenance of the works and against all claims, demands proceedings, damages, costs, charges and expenses whatsoever in respect of or in relation thereto provided always that nothing herein contained shall be deemed to render the Contractor liable for or in respect of or to indemnify the Corporation against any compensation or damage caused by the excepted risks. Corporation shall not be responsible at all for any compensation whatsoever.
- 12.For closure of contract in full or in part due to abandonment or reduction in scope of work :- If at any time after acceptance of the tender the Corporation shall decide to abandon or reduce the scope of the works for any reason whatever and hence not require the whole or any part of the Works to be carried out, the Engineer-in-charge shall give notice in writing to that effect to the contractor and the contractor shall have no claim to any payment of compensation or other-wise whatsoever, on account of any profit or advantage which he might have derived from the execution of the works in full but which he did not derive in consequence of the foreclosure of the whole or part of the works.
- 13. **Termination of contract for death :-** If the contractor is an individual or a proprietary concern and the individual or the proprietor dies and if the contractor is a partnership concern and one of the partners dies then unless the Accepting Authority is satisfied that the legal representative of the individual contractor or of the proprietor of the proprietary concern and in case of partnership the surviving partners are capable of carrying out the completing the contract, the Accepting Authority shall be entitled to cancel the contract as to its incomplete part without the Corporation being in any way liable to payment of any compensation to the estate of the deceased contractor and/or to be surviving partners of the Contractor's firm on account of the cancellation of the contract. The decision of the Accepting Authority that the legal representatives of the deceased contractor or surviving partners of the contractor's firm cannot carry out and complete the contract shall be final and binding on the parties. In the event of such cancellation the Corporation shall not hold the estate of the deceased contract.

#### 14. Cancellation of contract in full or in part:- If the contractor

a) An any time makes default in proceeding with the works with due diligence and continues to do so after a notice in writing of 7 days from the Engineer-in-charge; or

b) Commits default in complying with any of the terms and conditions of contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Engineer-in-charge; or

c) shall offer, or give or agree to give to any person in Corporation's service or to any other person on his behalf and gift or consideration of any kind as an inducement or forbearing to do

or having done or forborne to do any act in relation to the obtaining or execution of this or any other contract for the Corporation or

d) shall enter into a contract with the Corporation in connection with which commission has been paid or agreed to be paid by him or to his knowledge unless the particulars of any such commission and the terms of payment thereof have previously disclosed in writing for the Accepting Authority/Engineer-in-charge.

- 15. The execution of the work shall commence within 2 days from the date on which the corporation issues written orders to commence the work. If the contractor commits defaults in commencing the execution of the work as aforesaid, Corporation shall without prejudice to any other right or remedy is a liberty to forfeit the earnest money absolutely.
- 16.Liability for damage, defects or imperfections and rectification thereof:- If the contractor of his workmen or employees shall injure or destroy any part of the building in which they may be working or any building, road, fence, etc. contiguous to the premises on which the work or any part of it is being executed, or if any damage shall happen to the work while in progress the contractor shall upon receipt of a notice in writing that behalf make the same good at his own expenses. In case the contractor fails to comply with the requirement of this condition, Engineer-in-charge shall have the right to get the work done by other means at the cost of the contractor. Before taking such action, however, the Engineer-in-charge shall give three days' notice in writing to the contractor.
- 17. **Records and measurement:** The Engineer-in-charge shall except as otherwise stated ascertain and determine by measurement the value in accordance with the contract work done in accordance therewith. All items having a financial value shall be entered in measurement book, level book, etc. prescribed by the corporation so that a complete record is obtained of all work performed under the contract.
- **18.**The tendered rates shall be firm for one year from the date of entering into the agreement with the corporation and **no escalation shall be payable whatsoever.**
- 19.Unless otherwise provided in the bill of quantities, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts loads and depths of the building and nothing extra shall be payable to him on this account.
- 20.No payment shall be made to the contractor for any damage caused by rain, floods or any other natural cause whatsoever during the execution of work. The damage to the work will be made good by the contractor at his own cost and no claim on this account shall be entertained.
- 21.Some restrictions may be imposed by the security staff etc. on the working and / or movement of labour, materials etc. The contractor shall be bound to follow all such restrictions instructions and nothing extra shall be payable on this account.
- 22.a) The operation and maintenance will be carried out in the manner complying in all respects with the requirements of relevant by laws of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-Charge and nothing extra will be paid on this account.

b) The contractor shall comply with proper and legal orders and directions of the local or public authority or municipality and abide by their rules and regulations and pay all fees and charges for which he may be liable.

- 23. The contractor shall take all precaution to avoid all accidents by exhibiting necessary caution boards. He shall be responsible for all damages and accidents caused due to negligence on his part.
- 24.Corporation shall not be responsible for payment of wages to the workmen employed by the contractor for various works.
- 25.Corporation shall not be responsible for any compensation which may require to be paid to the workmen of the contractor consequent upon any injury/mishap etc.
- 26.The contractor shall not employ any child below the age of 18 years (as provided under article 24 of the constitution).
- 27. The contractor shall obtain a license under the contract Labour (regulation and abolition) Act, 170 as provided under Section-12 of the said Act before a starting the execution of the work.
- 28. The contractor shall ensure the payment of minimum wages to the workers employed by him as provided under the minimum wages act, 1948 and rules framed there under a may be applicable to the site of work. In no case the work will be allowed to suffer on account of payment of wages.
- 29. The contractor shall indemnify the Corporation against all such fines, penalties, damages and claims which the Corporation may have to incur on account of any breach or violation on the part of the contractor in implementing, the revisions of various Labour laws and in case the Corporation is made liable for payment of any compensation or penalty of fire or damages on

account of failure on the part of the contractor, the same shall be recovered/adjusted from the dues payable to the contractor by the Corporation.

- 30. The contractor shall comply with the provisions of the payment of wages act, 1936, minimum wages act, 1948, employer's liability act, 1938, workmen's compensation act, 1923, Industrial disputes act 1957 Maternity benefit act, 1961, Mines act, 1952, Contract labour regulation and abolition act, 170, EPF act or any modification thereof or any other law relating thereto and rules made there under from time to time.
- 31. The engineer-in-charge shall on a report having been made by an inspecting officer as defined in the contractor's regulation have the power to deduct from the moneys due to the contractor any sum required or estimated to be required for making good the loss suffered by a worker or worker by reason of non-fulfilment of the conditions of the contract for the benefit of workers, non-payment of wages or of deduction made from his or their wages which are not justified by the terms of the contract or non-observance of the said contractors labour regulations.
- 32. **Amendments:** Government may, from time to time, add to or amend these rules and issue such directions, as it may consider necessary for the proper implementation of these rules or for the purpose of removing any difficulty, which may arise in the administration thereof.
- 33.Service tax if applicable and becomes necessary to be deducted at source will be deducted from the bills of the agency. The agency will however take care for depositing the service tax himself to the appropriate authorities.
- 34. If the performance of the Agency is found satisfactory the contract period may be extended for further period subject to the approval from the client.

## **SECTION 4: Special Conditions of Contract**

- 1. The bill of quantities is as per the detail enclosed with this tender document.
- 2. **Deduction of income tax:** Jorhat Engineering College shall deduct income tax at source from all the payments to be made to the contractor in accordance with the provisions of India Income Tax Laws as applicable to the contractor from time to time.
- Liability for EPF deduction: The contractor shall be responsible for deduction contribution towards Employees Provident Fund from its employees and deposit the same along with its contribution to the concerned Regional Provident Fund commissioner under the Employees Provident Fund and Misc. Act, 1952 as amended from time to time.
- 4. Price variation: Quantities given in the tender document may increase or decrease. No extra payment shall be made for variation in quantities, whatever may to the percentage of increase or decrease in the quantities of any item. Rates shall remain firm even if certain items are required to be deleted.
- 5. Mobilization advance: No mobilization advance will be paid.
- 6. Work Contract Tax: Work contract tax will be recovered from bill as applicable.
- 7. **Taxes, duties, levies etc.:** The contractor shall be responsible for the payment of all taxes, duties, levies, octroi, labour cess etc. all materials articles that may be used in this work. Any increase in the aforesaid taxes, duties and levies etc. that may arise during the currency of the contract shall not be paid to the contractor by Corporation.
- 8. **Security deposit:** The security deposit is 10% of total contract value paid by demand draft in favour of Principal, Jorhat Engineering College, payable at Jorhat.
- 9. Refund of security deposit: The security deposit will be returned after one year from the date of final completion of the project. The security deposit shall only be refunded to the contractor after all the defect pointed out during operation and maintenance period gets rectified. In case the contractor fails to get the rectification done at his own cost, institution shall have the right to get the same done at the risk and cost of the contractor.
- 10.All the materials to be incorporated in the works under this contract must be of reputed makes and /or as approved by the Engineer-in-charge.
- 11. The Engineer-in-charge reserves the right to increase or decrease the number of workmen to be deployed for the works to any extent.
- 12. The Engineer-in-charge reserves the right to deploy the workmen of the contractor anywhere in the Campus of the Jorhat Engineering College as per the requirement.

- 13.Items for routine maintenance of electrical installation, which could not be specified in above details, will also be covered under this contract.
- 14. The contractor will provide consumable like cloth, etc. cleaning insulation, electric tubes, bulbs, CFL, Teflon tape, fittings, taps, tower bolt, hinges, M-seal, glass, cleaning material (like phenyl, surf, wipers, etc.), pesticides, fertilizer, etc. for which nothing extra shall be payable.
- 15.Contractor will be responsible to bring to immediately notice of the Engineer-in-Charge any abnormal functioning or faulty operation of any equipment and take timely steps to avoid breakdown/ disruption.
- 16.Contractor shall be responsible for any damage to the equipment, machinery or system on account of negligence/ fault of the contractor's authorized staff and the same will have to be made good at his risk and cost.
- 17.All dismantled materials resulting from replacement shall be returned to the Engineer-in-Charge or the representative appointed by him.
- 18. The contractor has to follow all electricity rules as amended from time to time and contractor shall be responsible for any mishap due to negligence on his part.
- 19.In the event of break down or major maintenance works, any extra staff required thereof and for cable jointing and for handling heavy equipment shall be your responsibility and no extra charges shall be payable on this account.
- 20.In case of negligence of part of the contractor for operation and maintenance of electrical, HT/ LT panels and its associated accessories a prorate recovery shall be made from due payments of the contractor for the period and its associated accessories remain nonoperational.
- 21. Service Tax: The rates are inclusive of Service tax as applicable from time to time. The contractor shall have to furnish the deposit challans to the corporation in token that the service tax for the work has been paid by him.

#### **22.PAYMENT TERMS**

Payment shall be made as following: -

22.1 100% amount of the work value shall be paid after successful completion of the assigned work at site and confirming to technical specification as specified. The security deposit 10% of total contract value to be paid by demand draft in favour of Principal, Jorhat Engineering College, payable at Jorhat must be submitted before final payment.

#### Note

1. No price escalation due to any reason (including any change in the applicable taxes, duties, surcharge etc.) shall be considered by Tendering Authority during the validity/ extended validity of the contract agreement

## PART-3: GENERAL TECHNICAL PARAMETERS

## **Design Basis**

## **Requirement:**

Need to provide good quality iron free potable water to the inhabitants of the premise.

## **Design Raw Water Analysis:**

The system is an additional feature in the form of Iron removal vassals that are proposed to be annexed with the existing WSS of JEC premise. Thus, design of the whole scheme based on Intake Raw Water Analysis is out of scope for this work.

The existing WSS of JEC premise has three Iron removal vassals (Make PENTAIR) in operation. The proposed new iron removal vassals have to connect in series with the existing vassals. Therefore, it is recommended that the new vassals are of same MAKE of the existing vassals for ease of maintenance and operating pressure.

#### Specification for construction work :

ltem No	Description	Scope of Works	Unit	Specification
1	Shed for iron removal plant	Construction of shed		Plinth work of height 1000 mm from EGL with 250 mm thick brick work, finished with plastering, filled up with granular material, complete with PCC flooring. Shed frame of height 12 feet made of square bar truss of 38 mm X 38 mm size, covered with 0.5 mm colored corrugated iron sheet.
2	Accessories and mountings	Supply and Fitting of 4 inch diameter GI pipes & Flanges		Medium grade GI pipe
		Additional Fittings (valve, bend, Tee etc.) on GI pipes	As required	GI fittings and butterfly valves
3	Construction floor and walls	Floor and Wall tiles	300 Sq. feet	2 <sup>/</sup> X 2 <sup>/</sup> Vitrified tiles (double charged)
4	Electrification	Wiring and 3-phase connection for the pump with protection device	1	5 HP 3 phase pump of 4 inch inlet and out let diameter with all electrical connection and protection and starter.

Technical Specification of Iron Removal Vassal:

Item Type	Specifications (Open source)
FRP structural composite	Design parameters – NSF
vessel, complete with Frontal pipes & fittings and single multiport valve for service,	Safety factor: 4:1 (Minimum burst at 600 psi)
backwash and rinse facility.	Cycle test: 100,000 cycles without leakage
	Material of construction
	Inner shell material: Polyethylene
	<b>Operating parameters</b> Maximum operating pressure: 150 psi Maximum operating temperature: 150° F
	Vessel size (Minimum) 48 inch diameter and 72 inch height
	<b>Certifications</b> Vessels Tested and Certified by NSF International to NSF/ANSI Standard 61 for material and structural integrity requirements.
Filter Media	MnO <sub>2</sub> lumps, treated Sand, Anthracite, Barakar Sand, Gravels, Pebbles, Activated carbon with top and bottom distribution systems.

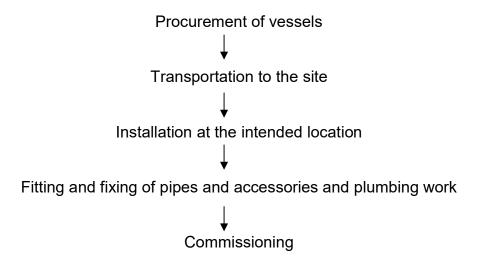
## 1. PLUMBING & FITTINGS

a) Valves, pipelines RO module is in SS304 after MF, till the permeate line termination point.

- b) NRV's, pressure relief valves, wherever needed
- c) The System will be on common SS base frame.

## **PROCESS DESCRIPTION & FLOW DIAGRAM**

The following Flow Diagram is proposed for the execution and commissioning of the work.



# **PART-4** COST ESTIMATE

## **BILL OF QUANTITES**

NAME OF WORK: - TENDER FOR IMPLEMENTATION OF IMPROVEMENT OF WATER QUALITY OF THE EXISTING ESS AT THE JEC PREMISE

For: JORHAT ENGINEERING COLLEGE, GARMUR, JORHAT, ASSAM, INDIA, PIN-785007

Detail BOQ for the proposed work including taxes as applicable, is attached as under.

ltem No	Description	Scope of Works	Unit	Amount (INR)				
1	Shed for iron removal plant	Construction of shed	15 × 30 Sq. feet	2,00,000.00				
2		Procurement, Supply and commissioning of 40000L/hour capacity iron removal plant Vessel size (Minimum) 48 inch diameter and 72 inch height	3 Nos.	7,80,000.00				
3	Accessories and mountings	Supply and Fitting of 4 inch diameter GI pipes & Flanges	30 m (approx.)	30,000.00				
		Additional Fittings (valve, bend, Tee etc.) on GI pipes	As required	50,000.00				
4	Construction floor and walls	Floor and Wall tiles	300 Sq. feet	30,000.00				
5	Electrification	Supply and installation of 5 HP 3 phase pump of 4 inch inlet and out let diameter with all electrical connection and protection and starter.	1 no.	30,000.00				
6	Overhauling of the existing WSS of JEC	Replacement of damaged fittings, removal and replenishment of sand filter media, painting of the scheme premise.	Lumpsum	1,00,000.00 12,20,000.00				
	Total (Rupees Twelve Lakh Twenty Thousand only )							

Total Amount including all taxes is: Rs. 12, 20,000.00

## **PART-4** CONTRACT FORMS

## **BIDDER'S GENERAL INFORMATION**

To,

JORHAT ENGINEERING COLLEGE, GARMUR, JORHAT, ASSAM, INDIA, PIN-785007

## Sub: Tender No.: JEC/AQIS/NE-REGION 2016-17/WATER/1

## FOR "IMPLEMENTATION OF IMPROVEMENT OF WATER QUALITY OF THE EXISTING ESS AT THE JEC PREMISE"

1	Bidder's Name	
2	Status of Firm	Proprietorship Firm/Partnership firm/
		Limited/Others
		If Others Specify:
		[Enclose certificate of Registration]
3	Name of Proprietor/ Partners/	
	Directors of the firm/company	
4	Number of Years in Operation	
5	Address of Registered Office:	
	*In case of Partnership firm,	City:
	enclose letter mentioning current	District:
	address of the firm and the full	State:
	names and current addresses of all	PIN/ZIP:
	the partners of the firm.	
6	Bidder's address where	
	order/contract is to be placed	City:
		District:
		State:
		PIN/ZIP:
7	Address from where Goods/	
	Services are to be dispatched/	City:
	provided along with GST no.	District:
	(In case supply of Goods/ Services	State:

	are from multiple locations,	PIN/ZIP:
	addresses and GST no. of all such	GST No.:
	locations are to be provided).	
8	Telephone Number of address	
	where order is to be placed	
9	E-mail address	
10	Website	
11	Fax No.	
12	ISO Certification, if any	
		{If yes, please furnish details}
13	Bid Currency	
14	Banker's Name	
15	Branch	
16	Bank Account Number	
17	PAN No.	
		[Also, Enclose copy of PAN Card]
18	GST No.:	
		[Also, Enclose copy of GST Certificate]
19	EPF Registration No.	
		[Also, Enclose copy of EPF Registration
		Certificate]
20	ESI code No.	
		[Also, Enclose copy of relevant document]
21	Whether Micro / Small / Medium	
	Enterprise	(Bidder to submit documents as specified it
		ITB)
22	Type of Entity	Corporate/ Non-Corporate (As per
		CGST/SGST/UTGST Act).
		(In case of Non-Corporate Entity, bidder will
		submit documentary evidence for same).

23	Whether Bidder is Start-ups or not	Yes / No
		(If Yes, Bidder to submit requisite documents
		as specified it ITB:Clause No. 50)

Note: \* JORHAT ENGINEERING COLLEGE intents to place the order/contract directly on the address from where Goods are produced/ dispatched and Services are rendered. In case, bidder wants order/ contract at some other address or supply of Goods/ Services from multiple locations, bidder is required to provide in their bid, the address at which order is to be placed

Place:	[Signature of Authorized Signatory of Bidder]
Date:	Name:
	Designation:
	Seal:

## **BID FORM**

Τo,

JORHAT ENGINEERING COLLEGE, GARMUR, JORHAT, ASSAM, INDIA, PIN-785007

Sub: Tender No.: JEC/AQIS/NE-REGION 2016-17/WATER/1

FOR "IMPLEMENTATION OF IMPROVEMENT OF WATER QUALITY OF THE EXISTING ESS AT THE JEC PREMISE"

Dear Sir,

After 1 reviewing Bidding **Documents** for the tender of examining the including "Specifications & Scope of Work", "General Conditions of Contract [GCC]", "Special Conditions of Contract [SCC]" and "Schedule of Rates [SOR]", etc. the receipt of which is hereby duly acknowledged, we, the undersigned, are pleased to offer to execute the whole part of the job and in conformity with the said Bid Documents, including Addenda / Corrigenda Nos.

We confirm that this Bid is valid for a period as specified in BDS from the date of opening of "Techno-Commercial / Un-priced Bid", and it shall remain binding upon us and may be accepted by any time before the expiry of that period.

If our Bid is accepted, we will provide the "Contract Performance Security / Security Deposit" equal to "\_\_\_\_\_\_ of the Contract Price" or as mentioned in Tender Document for the due performance within "thirty [30] days" of such Award.

Until a final Agreement/Letter of Award is prepared and executed, the tender document (including addenda/ corrigenda) together with the "Notification of Award" shall constitute a binding Agreement between us.

We understand that Bidding Document is not exhaustive and any action and activity not mentioned in Bidding Documents but may be inferred to be included to meet the intend of the Bidding Documents shall be deemed to be mentioned in Bidding Documents unless otherwise specifically excluded and we confirm to perform for fulfilment of Agreement and completeness of the Work in all respects within the time frame and agreed price.

We understand that you are not bound to accept the lowest priced or any Bid that you may receive.

Place:	[Signature of Authorized Signatory of Bidder]
Date:	Name:
	Designation:
	Seal:

## LIST OF ENCLOSURES

Τo,

JORHAT ENGINEERING COLLEGE, GARMUR, JORHAT, ASSAM, INDIA, PIN-785007

### Sub: Tender No.: JEC/AQIS/NE-REGION 2016-17/WATER/1

FOR "IMPLEMENTATION OF IMPROVEMENT OF WATER QUALITY OF THE EXISTING ESS AT THE JEC PREMISE"

Dear Sir,

We are enclosing the following documents as part of the bid:

- 1. Power of Attorney of the signatory to the Bidding Document.
- 2. Document showing annual turnover for the last three years such as annual reports, profit and loss account, net worth etc. along with information as sought in enclosed format F-16
- 3. Document showing Financial Situation Information as sought in enclosed format F-16
- 4. Copy of Bidding Documents along with addendum/corrigendum duly signed and sealed on each page, in token of confirmation that Bid Documents are considered in full while preparing the bid and in case of award, work will be executed in accordance with the provisions detailed in Bid Documents.
- 5. Documentary Evidences showing the Bidder's claim of meeting Technical Criteria as mentioned in Clause 4 of ITB.
- 6. Bid Security/EMD
- 7. Integrity Pact

Place:

Date:

- 8. Power of Attorney
- 9. Duly certified document from chartered engineer and or chartered accountant.

[Signature of Authorized Signatory of Bidder]
Name:
Designation:
Seal:

## LETTER OF AUTHORITY

[Pro forma for Letter of Authority for Attending Subsequent 'Negotiations' / 'Pre-Bid Meetings' /'Un-priced Bid Opening' / 'Price Bid Opening']

Date:

To,

JORHAT ENGINEERING COLLEGE, GARMUR, JORHAT, ASSAM, INDIA, PIN-785007

Sub: Tender No.: JEC/AQIS/NE-REGION 2016-17/WATER/1

FOR "IMPLEMENTATION OF IMPROVEMENT OF WATER QUALITY OF THE EXISTING ESS AT THE JEC PREMISE"

Dear Sir,

I/We, \_\_\_\_\_\_\_hereby authorize the following representative(s) for attending any 'Negotiations' / 'Meetings [Pre-Bid Meeting]', 'Unpriced Bid Opening', 'Price Bid Opening' and for any subsequent correspondence / communication against the above Bidding Documents:

[1] Name & Designation	Signature
Phone/Cell:	
Fax:	
E-mail:@	
[2] Name & Designation	Signature
Phone/Cell:	
Fax:	
E-mail:	@
We confirm that we shall be bound by all co representative(s).	mmitments made by aforementioned authorised
Place:	[Signature of Authorized Signatory of Bidder]
Date:	Name:

Designation:

Seal:

Note: This "Letter of Authority" should be on the "letterhead" of the Firm / Bidder and should be signed by a person competent and having the 'Power of Attorney' to bind the Bidder. Not more than 'two [02] persons per Bidder' are permitted to attend "Techno-commercial / Un-priced" & "Price Bid" Openings. Bidders authorized representative is required to carry a copy of this authority letter while attending the un-priced and priced bid opening, the same shall be submitted to institute.

## "NO DEVIATION" CONFIRMATION"

To,

JORHAT ENGINEERING COLLEGE, GARMUR, JORHAT, ASSAM, INDIA, PIN-785007

#### Sub: Tender No.: JEC/AQIS/NE-REGION 2016-17/WATER/1

FOR "IMPLEMENTATION OF IMPROVEMENT OF WATER QUALITY OF THE EXISTING ESS AT THE JEC PREMISE"

Dear Sir,

We understand that any 'deviation / exception' in any form may result in rejection of Bid. We, therefore, certify that we have not taken any 'exception / deviation' anywhere in the Bid and we agree that if any 'deviation / exception' is mentioned or noticed, our Bid may be rejected.

Place:

Date:

[Signature of Authorized Signatory of Bidder] Name: Designation: Seal:

## ACKNOWLEDGEMENT CUM CONSENT LETTER

(On receipt of tender document/information regarding the tender, Bidder shall acknowledge the receipt and confirm his intention to bid or reason for non-participation against the enquiry / tender through e-mail/fax to concerned executive issued the tender, by filling up the Format)

To,

JORHAT ENGINEERING COLLEGE, GARMUR, JORHAT, ASSAM, INDIA, PIN-785007

Sub: Tender No.: JEC/AQIS/NE-REGION 2016-17/WATER/1

FOR "IMPLEMENTATION OF IMPROVEMENT OF WATER QUALITY OF THE EXISTING ESS AT THE JEC PREMISE"

Dear Sir,

We hereby acknowledge receipt of a complete set of bidding document along with enclosures for subject item/job and/or the information regarding the subject tender.

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

Postal Address with Pin Code:
Telephone Number:
Fax Number:
Contact Person:
E-mail Address:
Mobile No.:
Date:
Seal/Stamp:
We are unable to bid for the reason given below:
Reasons for non-submission of bid:

Agency's Name: ..... Signature: .... Name: .... Designation: .... Date: .... Seal/Stamp: ....

## UNDERTAKING ON LETTERHEAD

To,

JORHAT ENGINEERING COLLEGE, GARMUR, JORHAT, ASSAM, INDIA, PIN-785007

#### Sub: Tender No.: JEC/AQIS/NE-REGION 2016-17/WATER/1

FOR "IMPLEMENTATION OF IMPROVEMENT OF WATER QUALITY OF THE EXISTING ESS AT THE JEC PREMISE"

Dear Sir,

We hereby	confirm th	at "The conte	ents of this Tend	ler Docum	ient No.		
have	not	been	modified	or	altered	by	M/s.
modified / a	altered by	blete address the bidder,	). In case, it is the bid submitte	found that	at the tender d	ocument h	as been
(Name of th	e blader) s	snall be liable	for rejection".				

Place:	[Signature of Authorized Signatory of Bidder]
Date:	Name:
	Designation:
	Seal:

## **BIDDER'S EXPERIENCE**

To,

JORHAT ENGINEERING COLLEGE, GARMUR, JORHAT, ASSAM, INDIA, PIN-785007

Sub: Tender No.: JEC/AQIS/NE-REGION 2016-17/WATER/1

FOR "IMPLEMENTATION OF IMPROVEMENT OF WATER QUALITY OF THE EXISTING ESS AT THE JEC PREMISE"

SI. No.	Descript ion of the Services	LOA /WO No. and date	Full Postal Address & phone nos. of Client. Name, designation and address of Engineer/ Officer-in Charge (for cases other than purchase)	Value of Contract /Order (Specify Currency Amount)	Date of Commencement of Services	Scheduled Completion Time (Months)	Date of Actual Completion	Reasons for delay in execution, if any
1	2	3	4	5	6	7	8	9

Place:

Date:

[Signature of Authorized Signatory of Bidder]

Name:

Designation:

Seal:

## FORMAT FOR CHARTERED ACCOUNTANT CERTIFICATE/ CERTIFIED PUBLIC ACCOUNTANT (CPA) FOR FINANCIAL CAPABILITY OF THE BIDDER

We have verified the Audited Financial Statements and other relevant records of M/s..... (Name of the bidder) and certify the following:

### A. AUDITED ANNUAL TURNOVER\* OF LAST 3 YEARS:

Year	Amount (Rs.)
Year 1:	
Year 2:	
Year 3:	

#### B. NETWORTH\* AS PER LAST AUDITED FINANCIAL STATEMENT:

Description	Year: 2020-21
	Amount (Currency)
Net Worth	

### c. WORKING CAPITAL\* AS PER LAST AUDITED FINANCIAL STATEMENT:

Description	Year: 2020-21
	Amount (Currency)
1. Current Assets	
2. Current Liabilities	
3. Working Capital (Current Assets-	
Current liabilities)	

### **Refer Instructions**

Note: It is further certified that the above-mentioned applicable figures are matching with the returns filed with Registrar of Companies (ROC) [Applicable only in case of Indian Companies]

Name of Audit Firm:

Chartered Accountant/CPA

[Signature of Authorized Signatory]

Name:

Date:

Designation:

Seal:

Membership No.:

## **Technical Specification**

## Specification for construction work:

ltem No	Description	Scope of Works	Unit	Specification
1	Shed for iron removal plant	Construction of shed	feet	Plinth work of height 1000 mm from EGL with 250 mm thick brick work, finished with plastering, filled up with granular material, complete with PCC flooring. Shed frame of height 12 feet made of square bar truss of 38 mm X 38 mm size, covered with 0.5 mm colored corrugated iron sheet.
2	Accessories and mountings	Supply and Fitting of 4 inch diameter GI pipes & Flanges	30 m (approx.)	Medium grade GI pipe
		Additional Fittings (valve, bend, Tee etc.) on GI pipes	As required	GI fittings and butterfly valves
3	Construction floor and walls	Floor and Wall tiles	300 Sq. feet	2 / X 2/ Vitrified tiles (double charged)
4	Electrification	Wiring and 3-phase connection for the pump with protection device		5 HP 3 phase pump of 4 inch inlet and out let diameter with all electrical connection and protection and starter. Make : Model :

## Technical Specification of Iron Removal Vassal:

Item Type	Desired Specifications	Comply
FRP structural	Design parameters – NSF	1. Make and Model:
composite vessel, complete with Frontal	(Minimum burst at 600 psi)	2. Safety factor:
pipes & fittings and single multiport valve		3. Minimum burst at pressure:
for service, backwash and rinse facility.	Material of construction Inner shell material: Polyethylene	4. Inner Shell material:
	<b>Operating parameters</b> Maximum operating pressure: 150 psi	5. Maximum operating pressure:
	Maximum operating temperature: 150° F	<ol> <li>Maximum operating temperature:</li> </ol>
	Vessel size (Minimum) 48 inch diameter and 72 inch height Certifications	7. Vessel size:
	Vessels Tested and Certified by NSF International to NSF/ANSI Standard 61	8. Certifications
	for material and structural integrity requirements.	
Filter Media	Mn0 <sub>2</sub> lumps, treated Sand,	
	Anthracite, Barakar Sand, Gravels,	
	Pebbles, Activated carbon with top	
	and bottom distribution systems.	

# PART- 5 FINANCIAL BID

## **BILL OF QUANTITES**

NAME OF WORK: - TENDER FOR IMPLEMENTATION OF IMPROVEMENT OF WATER QUALITY OF THE EXISTING ESS AT THE JEC PREMISE

For: JORHAT ENGINEERING COLLEGE, GARMUR, JORHAT, ASSAM, INDIA, PIN-785007

Detail BOQ for the proposed work including taxes, 1 year AMC as applicable, is attached as under.

ltem No	Description	Scope of Works	Unit	Amount (INR)
1	Shed for iron removal plant	Construction of shed	15 × 30 Sq. feet	
2	rust proof and corrosive proof consisting of best quality filter media for e.g. MnO2 lumps, treated Sand, Anthracite, Barakar Sand, Gravels, Pebbles, Activated carbon with unique Top and Bottom Distribution	Procurement, Supply and commissioning of 40000L/hour capacity iron removal plant Vessel size (Minimum) 48 inch diameter and 72 inch height	3 Nos.	
3	Accessories and mountings	inch diameter GI pipes & Flanges	30 m (approx.) As required	
		(valve, bend, Tee etc.) on GI pipes	As required	
4	Construction floor and walls	Floor and Wall tiles	300 Sq. feet	
5	Electrification	Supply and installation of 5 HP 3 phase pump of 4 inch inlet and out let diameter with all electrical connection and protection and starter.	1 no.	
6	Overhauling of the existing WSS of JEC		Lumpsum	
	Total (Rupees )			

Total Amount including all taxes is: