

निविदा आमंत्रण सूचना  
NOTICE INVITING TENDER  
No: RFRI/Water Treatment Plant/2015-16.

निविदा दस्तावेज  
TENDER DOCUMENT.

2015-2016.



वर्षा वन अनुसंधान संस्थान  
RAIN FOREST RESEARCH INSTITUTE  
भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद्  
*Indian Council of Forestry Research & Education*  
(पर्यावरण एवं वन मंत्रालय, भारत सरकार की एक स्वायत्त परिषद्)  
(An Autonomous body of Ministry of Environment &  
Forests, Govt. of India)  
पो. बॉक्स नं. 136, देववन, जोरहाट – 785001, असम।  
Post Box No. 136, Deovan, Jorhat- 785001, Assam.

TENDER FOR  
Water Treatment  
Plant (Iron & other  
Organic matter  
Removal Filtration  
Plants )at  
RFRI, Jorhat, Assam

निविदा दस्तावेज की लागत: **Rs . 500.00/-**  
( अप्रतिदेय एवं अहस्तांतरणीय)  
COST OF TENDER DOCUMENT: **Rs 500.00/-**  
(NON-REFUNDABLE & NON-TRANSFERABLE)

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RAIN FOREST RESEARCH INSTITUTE  
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(An Autonomous body of Ministry of Environment & Forests, Govt. of India)  
पो. बॉक्स नं. 136, देववन, जोरहाट – 785001, असम।  
Post Box No. 136, Deovan, Jorhat- 785001, Assam.  
Telephones: 0376-2305116.

COST OF TENDER	: <b>Rs</b> 500.00
TENDER REFERENCE	: RFRI/Water Treatment Plant/2015-16 .
DATE OF SALE OF TENDER DOCUMENT	: 01.06.2015
LAST DATE OF SALE OF TENDER DOCUMENT	: 22.06.2015 Till 5.00 PM
LAST DATE FOR RECEIPT OF TENDER	: 22.06.2015 Till 5.00 PM
TIME AND DATE OF OPENING OF TENDER	: 23.06.2015 at 10.00 AM
ADDRESS FOR COMMUNICATION	: <b>DIRECTOR</b> RAIN FOREST RESEARCH INSTITUTE Post Box 136. P.O: JORHAT, JORHAT-785 001, ASSAM.
TENDER BOX AVILABLE AT	: <b>STORE SECTION, RFRI.</b>

(Please Note: RFRI will not be responsible for any postal delay.)

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**CONTENT OF TENDER DOCUMENT.**

THIS DOCUMENT INCLUDES THE FOLLOWING CHAPTERS:-

1. Notice Inviting Tender. (Chapter-1)
  2. Eligibility Criteria and Bid proposals. (Chapter-2)
  3. Terms and Conditions. (Chapter-3)
  4. Financial Bid format. (Chapter-4)
  5. Agreement. (Chapter-5)
  6. Format for Bank Guarantee. (Chapter-6)
- 

**Sl. No:**  
**Cash Receipt No.:**  
**Issued to:**  
M/s

Coordinator (Facilities).  
Rain Forest Research Institute  
Jorhat, Assam.

Chapter -1

**NOTICE INVITING TENDER**

Director, Rain forest Research Institute, Jorhat, Assam is inviting Sealed Tenders from eligible vendors for supply of following categories of works/items for 2015-16. The details of tenders are as follows:-

1. Sealed Tender is invited for complete overhauling of existing two pressure type Iron Removal filtration plants & supplying, Installation, Testing & Commissioning of Activated carbon Filtration Plant with chemical dosers at RFRI, Jorhat  
Date of sale of tender document :- 01.06.2015  
Last date of submission :- 22.06.2015  
Cost of tender document :- Rs.500.00
2. Sealed tenders are invited for supplying
  - (A) Open well Submerge pump vertical monoblock dewatering pump 503ND, KSB make
  - (B) OTG (oven Toaster Griller).
  - (C) Water tank of capacity 2000 Ltrs. of Make- SYNTEXDate of sale of tender document :- 01.06.2015  
Last date of Submission :- 15.06.2015  
Cost of Tender document :- Rs.250.00

Tenders are available with purchase section. Vendors/companies may contact with store office during any working day. The documents can also be downloaded from our website :[www.icfre.org](http://www.icfre.org) under option tender

For any clarifications, vendors may contact at phone no.-  
03762305178,03762305117,03762305201.

## **GENERAL INFORMATION TO BIDDERS.**

The original TENDER Document must be submitted along with the other documents as asked for with signatures wherever asked for. A complete set of Tender document can be purchased by eligible firms from Coordinator (Facilities), RFRI at a cost of Rs. 500/- (non-refundable) by depositing the amount with cashier, RFRI, in all working days during working hours. The firms downloading tender document from the website, [www.icfre.org](http://www.icfre.org), under option TENDER, must attach a Demand draft in original for Rs 500/- from any commercial bank towards cost of the document in favour of Director, Rain Forest Research Institute, Jorhat, Assam, payable at Jorhat.

The tender document is not transferable. Each tender must be accompanied with EMD in the form of Demand Draft. All Demand Drafts must be drawn in favour of the Director, Rain Forest Research Institute, Jorhat, payable at Jorhat. Tender should reach this office not later than **5.00 PM on 22.06.2015** in sealed cover super scribed as **"TENDER FOR Water Treatment Plant ( Iron & Other Organic matter Removal Filtration Plants) at RFRI 2015-16"**. Tender box will be available with the Store Section, RFRI. The EMD shall have to be valid for 90 days beyond the validity of the rate quoted in the tender. Rates should be valid up to 31<sup>st</sup> March, 2016.

Tender will be opened at 10.00 AM on 23.06.2015 in the presence of representative (s) of the tenderers if any. If the office happens to be closed or else on the last date of receipt of tenders or opening of tenders as specified, the tender will be received/opened on the next working day of the office at the same venue and time. The Director, RFRI, Jorhat reserves the right to increase or decrease quantity of any item or reject any or all tender without assigning any reason thereof.

This tender Document contains **16** Pages. The end of tender document is indicated by "**End of Tender Document**" marker. Tenderers should carefully see that above marker appears on the last page of downloaded tender document to ensure that downloaded document is complete. The Tenderers are required to pay non-refundable cost of tender document in the form prescribed in tender notice while submitting their offer. In case they fail to furnish the requisite cost of tender document in prescribed form, their offer shall be rejected. The cost of EMD shall not be merged with cost of tender form and shall be separately furnished.

### **Definitions:-**

1. The "Purchaser" is the Director, Rain Forest Research Institute, Jorhat, Assam acting through the authority issuing the purchase order.
2. The "Supplier" is the party which contracts to supply goods and services. The term includes his employees and agents.
3. The 'Consignee' is the authority specified in the contract to whom supplies are to be delivered.
4. The 'Inspector' is the authority designated in the contract to assure the quality of the item contracted for.

### **Application:-**

5. These standard conditions of contract shall apply to all contracts in process/ concluded by the Director RFRI, Jorhat, Assam or his representatives. The terms contained in the SCOC may be modified by the contract concluding authority to the extent stated in the tender or in the acceptance of tender.

## **SUMMARY & BACKGROUND OF ORGANISATION:-**

The Rain Forest Research Institute, an independent Institute under the aegis of Indian Council of Forestry Research & Education, An Autonomous body of Ministry of Environment & Forests, Govt. of India, Deharadun, Uttarakhand, is situated at Jorhat district of Assam. The Institute started functioning at Sotai during 2001. All the civil constructions were constructed by CPWD, Guwahati

till date. The Institute is functioning within a campus of around 28 ha. of land wherein different Offices, Laboratories, Nurseries and residential complexes are situated. Around 170 employees including workers are attending daily in the institute and around 100 family members are staying in the campus. The institute is having two water distribution systems called, Single Vessel Iron removing plant, installed by the CPWD. The underground water is collected, treated, stored and distributed to all the places of works and quarters. The potable water was chemically analyzed and found that it contains certain impurities apart from high TDS which are harmful for human use and sometimes not fit for laboratory use also. The newly constructed RCC filtration tank (FT) may require slight modification physically or mechanically. The institute is managing both the systems with the technical knowhow and manpower available with us at present.

### **Proposal guidelines and requirements:-**

Last year RFRI authorities had a detail discussion with the six vendors on the EOI submitted by them on 06/06/2014 along with an inspection of the existing I R Plants with water distribution systems at RFRI. The outcome of the field visit for I R Plants is highlighted below for preparing the proposals for both the systems. The existing infrastructures should be kept in mind while Technical Bids (TB) are prepared. A Thematic Drawing (TD) should be submitted along with the TB with all specifications in mm.

### **Observations from the field visit:-**

#### **P type IR Plant-1 (Old)**

1. Boring is okay.
2. Quantum of aeration is not known.
3. Presently industrial Alum (Ferric) is used.
4. Presently the Pressure filter system is defunct. The aerated water is being bypassed directly to the over head reservoir from the sedimentation tank.
5. Back wash in the pressure filter is not being done now.
6. Huge quantity of mud deposits in the ground reservoir.
7. The existing system is having only one pressure filter for removing iron.

#### **Requirements:-**

1. Quantum of aeration to be calculated. The size of the pipe to be re- designed or modified.
2. Application of Non Ferric Alum through Alum dozer before aeration process.
3. Pressure filter system to be made functional with change of media and with periodical back wash.
4. System to be evolved to clear the mud from the reservoir periodically. Action to be proposed.
5. Second pressure filter with Activated Charcoal to be installed to remove oil and other organic matters.
6. Chlorine Dozer to be installed.
7. Pure and potable water as per the norms of the PHE standards.
8. Periodical water test to be done at RFRI lab.
9. Complete cleaning of all tanks and painting wherever required.

#### **P type I R Plant -2 (New)**

1. Boring is not okay.
2. Provision for alum dozer does not exist.
3. Aeration system is not correct.
4. Existing pipe connections from boring to overhead tank are defective.
5. Presently the Pressure filter system is defunct. The aerated water is being bypassed directly to the over head reservoir from the sedimentation tank.
6. Back wash in the pressure filter is not being done now.
7. Huge quantity of mud deposits in the ground reservoir.
8. The existing system is having only one pressure filter for removing iron.

#### **Requirements:-**

1. Quantum of aeration to be calculated. The size of the pipe to be re- designed or modified.

2. Application of Non Ferric Alum through Alum dozer before aeration process.
3. Pressure filters system to be made functional with change of media and with periodical back wash.
4. System to be evolved to clear the mud from the reservoir periodically. Action to be proposed.
5. Second pressure filter with Activated Charcoal to be installed to remove oil and other organic matters.
6. Chlorine Dozer to be installed.
7. Pure and potable water as per the norms of the PHE standards.
8. Periodical water test to be done at RFRI lab.
9. Complete cleaning of all tanks and painting wherever required.

**Purpose and Objectives:-**

The present quality of water derived from the Plant is not fit for human consumption as it contains the following impurities.

Parameter	Desirable limit	Permissible limit	Result and remarks
a. Turbidity	5.0	10	31 NTU – Excess
b. TDS	500	2000	126 mg/lt. - Excess
c. PH value	6.5	8.5	7.02
d. Iron as Fe	0.3	1.0	5.85 mg/lt.
e. Hardness as CaCO <sub>3</sub>	75	200	30 mg/lt.
f. Magnesium as Mg	30	150	8.30 mg/lt.
g. Total alkalinity as CaCO <sub>3</sub>	200	600	128 mg/lt.
h. Chloride as Cl	250	1000	6 mg/lt.

Objectives:

1. To make the plants functional as per the technical parameters.
2. To produce safe and potable water.
3. To train the Institute's personnel in running the plants as per the norms.
4. To train the Institute's personnel in distribution systems.
5. To develop skill in maintaining the plants by the Institute's personnel

**Chapter -2 ( ELIGIBILITY CRITERIA AND BID PROPOSALS.)**

**ELIGIBILITY CRITERIA.**

The firms meeting the following Eligibility Criteria should only purchase / down load the tender documents by paying / attaching the tender document cost in the form of bank DD, as mentioned above. The firms / vendors must submit the following documents in an envelope marked in bold letters as “**Qualifying Documents & EMD & cost of tender document if down loaded.**”. (EMD is liable to be forfeited if wrong information is furnished or rate quoted without certificates).

**The success in achieving a desired level of Water Treatment Plant lies in the experience and availability of qualified human resource of the firm undertaking the work.**

Therefore, keeping in mind the works to be undertaken the Institute desires that the proposers i.e. firms, consortiums, or contractors must fulfill the following qualifications to submit the Technical and Financial proposals.

1. The firm should have completed at least three works of Complete Installations (Turnkey basis) including boring, supply of pressure filter by fabrication through expert/ quality house, construction of aeration tanks including other items for WTP of 25,000 litres (25 Kilolitres) or more.
2. The cost of the completed installations should be of Rs.10 laks or more.
3. PHE laboratory of the district / Govt. laboratory test report of quality of water from the completed WTPs to conform the PHE standards if it is being maintained by them at present and if not, then the report from the users of present time. Authentic name & phone numbers of contact persons to be provided.
4. The firm must have their own qualified Engineer (Civil or Mechanical or both) at site. The Engineer shall certify the work after completion. Desirable qualifications for the RFP proposers.

5. The firm must submit Income Tax return for 14 -15, VAT, PAN and firm's registration certificate as company / consortium /contractor.
6. Firms black listed by ICFRE or any of the Institutes under the control of ICFRE are barred from participating in this tender.
7. The proposer firms must submit documentary evidences related to all the above matters. In the absence of any one of the documents the RFP will be completely rejected.

### **B) BID PROPOSALS:**

This tender being a **Single stage-two bid system** and proposals must consist of the followings in two separate envelopes:-

- 1. Qualifying Documents & EMD.**
- &**
- 2. Financial and Technical proposal.**

#### **1. Qualifying Documents & EMD:**

A separate envelop consist of EMD &/or cost of tender docs. in the form of bank DD from any nationalized bank payable at Jorhat, Assam in favour of DIRECTOR, RFRI in original & along with the following documents **super scribed** as above in bold letters in sealed condition should be submitted.

1. The firm should have completed at least three works of Complete Installations (Turnkey basis) including boring, supply of pressure filter by fabrication through expert/ quality house, construction of aeration tanks including other items for WTP of 25,000 litres (25 Kilolitres) or more.
2. The cost of the completed installations should be of Rs.10 laks or more.
3. PHE laboratory of the district / Govt. laboratory test report of quality of water from the completed WTPs to conform the PHE standards if it is being maintained by them at present and if not, then the report from the users of present time. Authentic name & phone numbers of contact persons to be provided.
4. The firm must have their own qualified Engineer (Civil or Mechanical or both) at site. The Engineer shall certify the work after completion. Desirable qualifications for the RFP proposers :-
5. The firm must submit Income Tax return for 14 -15, VAT, PAN and firm's registration certificate as company / consortium /contractor.
6. Firms black listed by ICFRE or any of the Institutes under the control of ICFRE are barred from participating in this tender.
7. The proposer firms must submit documentary evidences related to all the above matters. In the absence of any one of the documents the RFP will be completely rejected.

**EMD** :The firm should accompany a **DEMAND DRAFT of Rs.20,000.00** (Rupees Twenty thousand only) as Earnest Money drawn in favour of Director, RFRI, payable at Jorhat, which will be refunded without any interest, within 30 days if the offer is not accepted. In case the offer is accepted but not honored by the proposer, the Earnest Money will be forfeited. The Earnest Money will also be forfeited if wrong information is given in the tender to influence the financial bid.

#### **2. Financial & Technical Proposal.**

**Financial proposal must be submitted in the prescribed format (chapter-4)**

## **B. SUBMISSION OF PROPOSAL.**

Qualifying Documents & EMD should be sealed in a separate envelope and Technical proposal along with Financial Proposals in a separate envelope. Both these envelopes should then be **sealed in another separate envelope**. The proposals should be clearly distinguished by writing on the cover “**Qualifying Documents & EMD**”, and “**Technical & Financial Proposal**”. The outer envelope must be clearly marked “**TENDER FOR Water Treatment Plant( Iron & Other Organic matter Removal Filtration Plants) at RFRI 2015-16**”. **All the pages of the tender document should be signed by the authorized person of the firm and put firm’s seal.**

The proposal must not contain interlineations or overwriting except as necessary to correct errors, in which case such corrections must be initialed by the person or persons signing the proposal. Complete proposal must be delivered on or before the stated time & date.

**In absence of original catalogue and other literature the tender would be considered as invalid and summarily rejected.**

## **C. PROPOSAL EVALUATION.**

### **Quality & Cost based Selection (QCBS) system**

The Director will constitute a committee for this purpose which will henceforth be referred to as Constituted Committee (CC). The evaluation of the Technical Bids will be based on the verification of the required documents as sought above. The responsive firms will be called for giving power point presentations separately before the constituted committee. The members of the committee will jointly record the Technical Details of the proposed machineries, media, and specifications of the Pressure Filter Plant & Activated Charcoal Filtration plant and its materials, make, design, handling feasibilities, and any other parameters which may require such considerations.

### **Technical Proposal**

Evaluation will be done by applying the evaluation criteria and point system as specified below. Each responsive proposal will be attributed a technical score (St). The points given to technical evaluation criteria are:

i) Firm's relevant experience	15
ii) Quality of water presently under use by the different users	09
iii) Educational qualification and experience of Engineer	06
iv) Assessment by the committee by way of direct contact from the users	10
iii) Technical specifications of the complete proposal	<u>60</u>
	Total 100

The technical proposal should score at least **70 points out of 100** to be considered for financial evaluation.

### **Financial Proposal**

The evaluation committee will determine whether the financial proposals are complete and without computational errors. The lowest financial proposal (Fm) will be given a financial score (Sf) of 100 points. The financial scores of other proposals will be computed as follows  $Sf = 100 \times Fm/F$  (Where F is amount of financial proposal of the bidder). Proposal will finally be ranked according to their combined technical (St) and financial (Sf) scores using the formula:  $S = St \times T\% + Sf \times F\%$ . The weight (T %) given to the Technical Proposal is 70%. The weight (F %) given to the Financial Proposal is 30%.

## **D. OPENING OF TENDER.**

The tender will be opened **on 23.06.2015 at 10.00 AM** in the Conference hall of RFRI, Jorhat in presence of the representative of the tenderer if any. Representatives shall bring authenticated document for identity.

**E. Declaration form.**  
**(Information about tenderer/bidder)**

1. Full Name of the Firm:  
(In capital letters)
  2. Complete Address of the firm:
  3. (a) Telephone No.:
  - (b) Fax No.:
  4. Is the firm sole proprietary/Partnership/Ltd. /Pvt. Ltd.
  5. Name of Proprietor or Partners/Directors.
  6. Brief description of work carried out by the firm in last five years with Name of clients, nature and value of work done for each. (Please attach extra sheet if necessary)
  7. Is the firm registered with any Government/Semi Government organization /PSU; if so furnishes details of registration.
  8. Has the firm been blacklisted by any organization, if so attach the details.
  9. Income Tax Account Number/PAN Number:  
(Latest Income tax return to be attached with tender)
- I/we .....hereby certify that above mentioned particulars are true and correct.
- Place: \_\_\_\_\_
- Date: \_\_\_\_\_

**SIGNATURE & STAMP OF THE TENDERER.**

**Chapter-3. (Terms & Conditions Governing this tender):-**

The contract of offer will be subjected to the following terms and conditions:-

1. **Legality**: This bid document and its subsequent process are governed by all the relevant rules of the GoI, GFR 2005, and directives of CVC issued from time to time.
2. **The rate**: - The offer should be firm and the quote by the venders shall have the validity up to 31st March, 2015 from the time of opening of this tender. The rate should be F.O.R. destination.
3. **Negotiations**: - Negotiation with the S 1 firm will be done as per the directives of GoI if required.
4. **Price escalation** will not be allowed.
5. **Pricing**: - Format for financial bid should be strictly followed for quoting rates. No extra sheet to be used for the purpose.
6. **Acceptance**: - The Firm is required to acknowledge receipt of the acceptance within 7 days. However, non-acknowledgement on the part of the supplier does not affect the 'acceptance of offer' or the conclusion of contract. All communications by the Purchaser to the Fir will be deemed to have been made if sent by fax, telex or registered/speed post to the number or address furnished by them.
7. The purchaser shall not be liable for any obligation, monetary or otherwise, that has not been expressly stated in the contract. The firm shall deem to have indemnified the purchaser against all claims by third parties relating to the contract including but not limited to intellectual property rights.
8. **Late bid**:-No bid or proposal will be accepted if received late than the time specified in this document.
9. **Time of completion**: - As mentioned above.

10. **Extension of time limit**: - Director, RFRI may consider the request if given in writing.
11. **Sub Contract**:- The Purchaser has no objection in engaging a sub contractor by the responsive firm for the successful commissioning of the work but the Purchaser will have the rights to judge the credentials of such sub contractor and clearance should be obtained from the Purchaser to engage the sub contractor.
12. **Payments**: Normal terms of payment will be 100% payment within 30 days after receipt and acceptance of WORKS in satisfactory condition after installation and commissioning. VAT will be deducted from source as per the existing guidelines of the GOI, and deposit challan will be issued /sent to the vendors.
13. **EMD**: The firm should accompany a **DEMAND DRAFT of Rs. 20,000.00** (Rupees Twenty thousand only) as Earnest Money drawn in favour of Director, RFRI, payable at Jorhat, which will be refunded without any interest, within 30 days if the offer is not accepted. In case the offer is accepted but not honored by the proposer, the Earnest Money will be forfeited. The Earnest Money will also be forfeited if wrong information is given in the tender to influence the financial bid.
14. **The EMD** of the successful bidder (S-1) including S-2 will be retained till finalization of the contract and issue of offer to S-1 bidder. The EMD of the S-1 bidder will be forfeited in case of any breach of contract terms.
15. **Full specifications & full details of business terms and conditions**: - Packing and forwarding, delivery period, VAT/Sales Tax /Trade Tax (whether provincial or Central), other Taxes /Charges, if any, the validity period of quotation, discounts or any other information relevant to the items should be indicated clearly in the Financial bid. Detail information regarding the articles to be supplied, such as make, size etc. to be furnished with the offer. The list of users of goods of similar or same nature in the country should also be enclosed. The offer would not be considered valid if these details are not provided.
16. **Documents to be submitted**: - Along with other qualifying documents, authenticated & attested copy of partnership deed in the case of partnership firm and of proprietorship affidavit in case a bidder is having proprietor firm & Memorandum of Article of association in case bidder is a Limited company. The firm should submit attested copy of the latest certificates from the principal regarding Dealership / Proprietary item with the bid documents. All original documents related to this contract can be asked to produce whenever required within a time frame.
17. **All the copies required to be submitted should be attested by a Gazetted officer or by self.**
18. **The Equipment along with manual and free accessories / spares** is required to be delivered to the consignee/Store Officer concerned and the consignee will do inspection and verification of the goods. The payment will be made only if all the above criteria are full filled and a certificate of clearance (CC) received from the consignee/user.
19. **Two year on site comprehensive WARRANTY** or **as specified** in the proposal, for all the items to be given. Any item not conforming to the specification or delivered with defects or defaced marks need to be replaced within a week time at the firm's cost.
20. **Performance Bank Guarantee**: - The supplier should submit a Performance Bank Guarantee or Performance security in the form of Bank Guarantee or FDR, favoring DIRECTOR, RFRI, JORHAT, @ 10% of work value from a nationalized bank in an acceptable form. PBG or Performance security should remain **valid for a period of 24 months** beyond the date of completion of all contractual obligations of the supplier including the warranty obligations. Details will be mentioned in the work order.
21. **Rejection & relaxation**: - Director, RFRI, Jorhat without assigning any reason thereof can reject any or all RFPs. Further he reserves the right to relax any of these conditions in the interest of purchaser.

22. **Quantity:** - Director, RFRI, Jorhat reserves the right to increase or decrease quantity of any items and the firm shall have to complete the offer. Any differences in this regard can be settled mutually which will be recorded and transparent.

23. **Force majeure:** - None of the parties under this contract shall be responsible for any act of commissions or omissions arising out of situation beyond his control which otherwise includes Acts of God.

24. **Dispute Resolutions:** - All disputes, differences and questions arising out of or incidentals to this contract or in any way touching or concerning this contract or the subject matter thereof or the respective rights duties or liabilities of the parties in respect of this contract except the decision thereof wherein before otherwise expressly provided for shall be referred to the Arbitrator. The Arbitrator shall be appointed by the Director General, ICFRE, Dehradun and the decision of the Arbitrator shall be final and binding on both the parties. *The applicable Arbitration procedure will be as per Indian Arbitration and Conciliation Act, 1996*

25. **Short closure or termination:** - The contract may be short closed or terminated, at the discretion of the purchaser, on the following grounds:

- (a) The firm fails to deliver the work within the time period.
- (b) Any of the information provided by the firm is found to be untrue.
- (c) The firm is found to have attempted to influence a person involved with the contract through unethical means.
- (d) Due to unforeseen administrative reasons. The Purchaser is not liable to make any payment towards any loss to firm (s) under these provisions.

#### **Timeline:-**

Time for completion of Plant 1 will be two months and Plant 2 three months from the issue of work orders.

#### **Budget:-**

Institute has not earmarked any quantum of budget for the work. However, allocation will be made if the selection of the firm found satisfactory.

#### **Available Technology Resources & Staff Resources**

Two Pressure type Iron removal Water Treatment Plants constructed by CPWD with the Institute presently under functioning conditions but not as per the required technology. It is due to mainly defunct of many line accessories fitted with the system as well as due to imperfect knowledge in handling chemicals and catalytic media. But, the few personnel working in the institute are having limited knowledge about the entire system and truly speaking, they are the available resource persons in the field of plumbing and distribution work. The institute is having 200KVA D G Set.

#### **ADDITIONAL SPECIAL CONDITIONS FOR TENDER DOCUMENT DOWN LOADED FROM WEBSITE.**

- a) Tenderers may note that permitting of downloading of tender document is an added facility for convenience of Tenderer/s. RFRI, however, reserves right to extend this facility for selected works or continue only with direct sale of tender forms. In case, tender document is not uploaded on website or download failure or delay or incomplete document downloaded, whatsoever, RFRI shall not be responsible in anyway. RFRI shall not be responsible for any direct/indirect loss of business/profit resulting from inability to use this facility.
- b) The Tenderer/s shall download & print the Tender document solely for bidding for above work and downloaded document shall not be used, copied or reproduced for any other purpose.
- c) The end of tender document is indicated by "**End of Tender Document**" marker. Tenderer/s should carefully see that above marker appears on the last page of downloaded tender

document to ensure that downloaded document is complete. Tenderer is suggested to check the integrity and completeness of document before submission.

- d) The tender document downloaded from website though does not bear signature of RFRI authority shall have same authority as having directly purchased from RFRI office. Tenderers while submitting his offer must sign all pages of tender document.
- e) The downloaded and printed tender document along with the various other documents should be submitted as per details mentioned in tender document. The Tenderer should clearly write on main tender cover and also on the top of sealed cover "**Tender documents downloaded from website**".
- f) The Tenderers are required to pay non-refundable cost of tender document in the form prescribed in tender notice while submitting their offer. In case they fail to furnish the requisite cost of tender document in prescribed form, their offer shall be rejected. **The cost of EMD shall not be merged with cost of tender form and shall be separately furnished.**
- g) The Tenderer/s shall maintain the integrity of downloaded tender document and shall not make any change/addition/deletion/tampering, whatsoever, in the downloaded documents. The Tenderer/s offer shall be rejected and full earnest money shall be forfeited, in case it is detected after submission of offer, that they have made any modification in downloaded documents. In case such modification is noticed even after award of contract, RFRI is liable to terminate the contract on contractor's default. In addition, RFRI reserves the right to take action against the firm as deemed fit, which may include Banning of Business Dealings with the firm and the firm is also liable to be prosecuted as per the law. **After award of work, agreement, wherever necessary, will be prepared based on the master copy of tender document available in the RFRI office. In case, any discrepancy is noted in tender document submitted by Tenderer, the Master document kept with RFRI shall prevail and decision of DIRECTOR, RFRI thereon shall be final and binding on Tenderer/Contractor.**
- h) Tenderer/s shall print the tender document on good quality A4 size papers and printed document shall be clearly legible. The document shall be properly bound and page numbers shall be in serial order as mentioned in downloaded documents. The Tenderer/s shall not be reimbursed with the cost of stationery, printing and binding etc. Offer of Tenderer/s is liable to be rejected by RFRI, if tender document is not printed or bound as per above instructions. Further, Tenderer shall bear expenses of Internet connection and telephone charges, if any for downloading of tender document.
- i) The Tenderer/s shall keep themselves updated about any modification in tender notice and tender document issued by RFRI through newspapers, website or E-mail or any other means and shall act accordingly. It is the responsibility of the Tenderer to check any correction or any modifications published subsequently in Web site and the same shall be taken into account while submitting the tender. **Tenderer's offer is liable to be rejected if they have not enclosed all the corrections/corrigendum along with downloaded tender documents.**
- j) The "Additional Conditions for Tender Document downloaded from Website" must be signed by the Tenderer and enclosed along with the Tender document failing which the tender is liable to be rejected.
- k) Tenderers may carefully note that their Purchase order or Contract Agreement, as the case may be, for this work is liable to be terminated at any time later, in case any of the information furnished by them is found to be untrue or any adverse points come to light subsequently. The decision of RFRI in this regard shall be final and binding.
- l) No Fax or E- mail tender document will be accepted by RFRI **NOR** will any reply to these affect be given by RFRI.
- m) The following declaration should be given by the Tenderer while submitting the Tender.

**Declaration**

*I/We have downloaded the tender document from the website <http://www.icfre.org> under tender option and I/We have not tampered/modified the tender forms in any manner. In case the document is found to be tampered / modified, I/We understand that my/our tender is liable to be rejected and full earnest money deposit will be forfeited and I/we am/are liable to be banned from doing business with RFRI and/or prosecuted.*

**Signature of Tenderer**

**Firm's seal**

**Date:**

-Sd-

AK Deka

Coordinator (Facilities)

## Chapter-4 Format for Financial Proposal

1. Name of Work: Complete Overhauling of existing two Pressure Type Iron Removal filtration plants.

Sl. No	Description	Unit	Job	Rate/Job (Rs)	Amount(Rs)
01	Dismantling the whole assembly, taking out of old filter media and Chemicals, cleaning the whole plant with iron brush and sand paper to remove dust, dirt and algae, painting inside the filter plant two coats with anticorrosive black bituminous paint, cleaning the aeration chamber and underground reservoir, supply and filling the filter cell with new catalytic filter media with gravel from 25mm to 3 mm, sand size 16 micron and 32 micron, supply and filling the MnO <sub>2</sub> chamber with new MnO <sub>2</sub> of good quality, supply and changing of rubber gaskets, pressure gauges PVC Strainers fitted on the base plate, repairing and replacing of fittings and accessories where necessary and finally finished the plant without side painting with two coats with good quality synthetic enamel paint, and recommissioning the plant all complete.	2	2	P-1= P-2=	
02	Overhauling and cleaning of underground reservoir and aeration tank with iron brush and sand paper ,dirt and algae and finally wash with bleaching powder solution for total disinfection all complete.	2	2	P-1= P-2=	
03	Extra pipe line works for revamping of existing pipe line in proper manner with good quality GI pipes with GI fitting and accessories all complete .	2	2	P-1= P-2=	

2. Name of work: Supplying Installation, Testing and commissioning of Activated Carbon Filtration Plant with Chemical dosers.

Sl. No	Description	Unit	Job	Rate/Job (Rs)	Amount(Rs)
1.	Providing installing, testing and commissioning of activated carbon filtration plant for removing oil and greasy substances and organic matters as well as odor and smell present in the water of 1500mm height (from dished end to dished end) vertical cylindrical fabricated vessel with shell thickness 6mm Dished end 8mm and bed plate 10mm (IS-2062), fitted on a sturdy circular iron angle to	2 nos.			

	which PVC strainers fitted on the bed plate, including pipe line, with 5 nos. of butterfly valves of 80mm size, including 2 nos. pressure gauges, manhole, hand-hole, sturdy circular ring made of angle iron as required with joist leg including carrying all the materials to the site all complete.				
2.	Supply of DF/MS frontal pipe line 80mm dia with inlet & outlet, fitting & fixing of bend, tees, elbows, union etc. with 8 nos. of butterfly valves of reputed brand along with nuts & bolts, washer gaskets and other necessary materials including supplying and fitting 2 nos. of pressure gauge and sampling cocks, air release pipe & valves, backwash line & rinsing line all complete as required	1 set	Each		
3	Supplying and filling the activated Carbon chamber with A-grade superfine quality activated carbon having iodine value 500mg per gram to remove odor and smell and oily & greasy substances contained in raw water and thus so as to extract a crystal clear quality potable drinking water		Kg.		
4.	Supplying, fitting and fixing of electro-magnetic dosing pump for dosing of chlorine for disinfection of treated water with necessary Fittings fitted to a 100 ltr. capacity PVC container with electrical fittings all complete	1 no.	Each		
5	Supplying, fitting and fixing of electro-magnetic pump for dosing of alum solution for sedimentation raw water with necessary fittings fitted to a 100 ltr. Capacity PVC container with electrical fittings all complete	1 no	Each		

- Note:** 1. Laboratory test certificates of (IS-2062) from Govt. test laboratory to be attached.  
3. Laboratory test certificates of silica sand from Govt. test laboratory to be attached.  
4. Laboratory test certificates of Activated charcoal from Govt. test laboratory to be attached.  
5. Make and specifications of all proposed doser pumps to be provided.  
6. Quality test certificates of all chemicals to be provided. The proposed grades of chemicals to be used should be mentioned in the proposal.  
7. P-1 is Plant 1 & P-2 is Plant 2.

It is Certified that I/We am/are authorized to sign the bid for and on behalf of M/S.....

Witness: 1).....2).....

Address .....

**Signature.**  
**Name & Seal of the tenderer.**

**Chapter – 5: Agreement.**

I/ We, the Supplier M/S ----- agree to accept the Terms and Conditions governing this Tender document and process thereafter in letter and spirit. It is Certified that I/We am/are authorized to sign this Agreement for and on behalf of M/S.....

**Name & Seal of the tenderer.**

**Chapter – 6: Format for Bank Guarantee.**

To  
The Director,  
Rain Forest Research Institute,  
P.O. Jorhat, P. Box No.: 136,  
Jorhat-785001, Assam.

Your order No: \_\_\_\_\_ for the supply and delivery of \_\_\_\_\_ has been accepted by M/s \_\_\_\_\_.

In accordance with the terms of payment of the said order, we have agreed to pay the balance of 10% of the contract price of the supplier, furnishing you with an acceptable Performance Bank Guarantee for 10% of the total contract value, i.e. Rs. \_\_\_\_\_ for the due performance by the Supplier of all its contractual obligations and to be valid for a period of 24 months (as the case may be) for Supplier of all its contractual obligations **and** to be valid for a period of 24 months (as the case may be) from the date of bank guarantee for this purpose you have agreed to accept our guarantee.

In consideration thereof, we hereby guarantee payment of and undertake to pay Rs. \_\_\_\_\_ and remit to you on demand and without demur the sum of Rs. \_\_\_\_\_ being 10% of the total value of the contract on receipt of your intimation that the Supplier has committed a breach of contract in any of its contractual obligations.

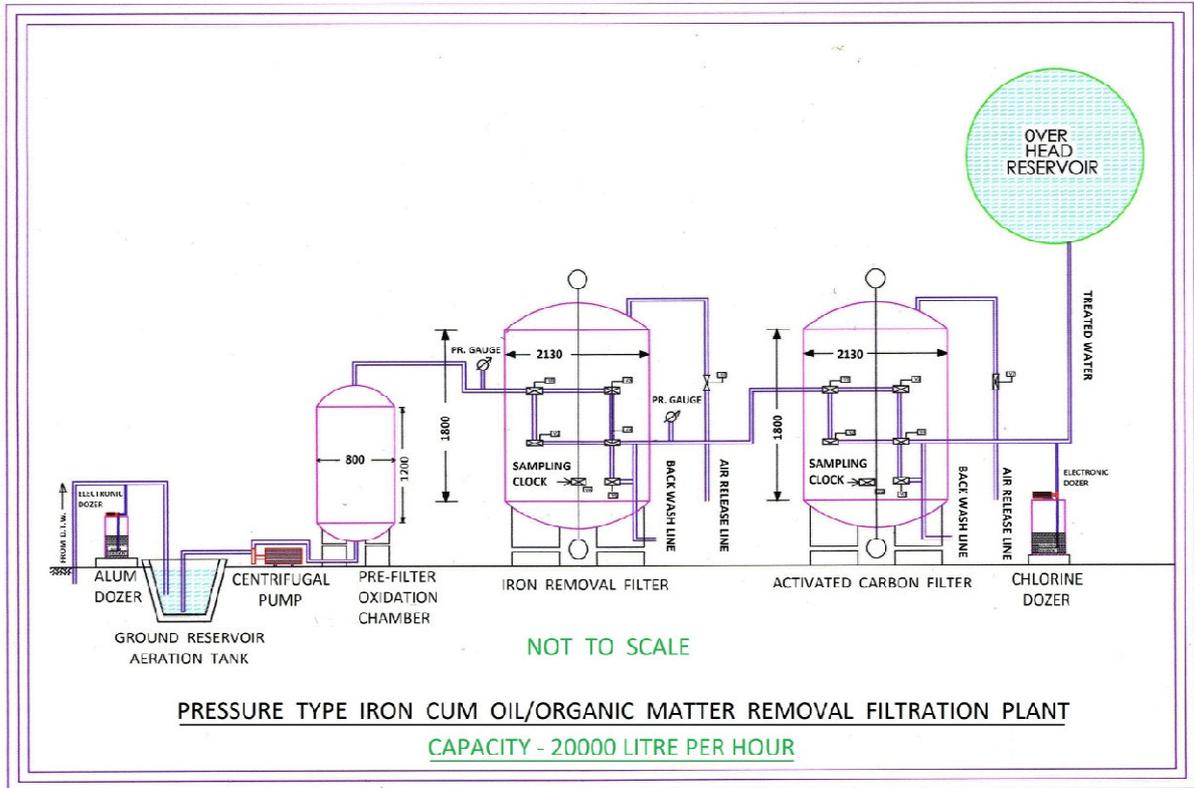
This guarantee shall be valid for a period of 24 months from the date of Installation of the equipment in satisfactory condition or 27 months from the dispatch of the last lot of consignment whichever is earlier, and in any event shall expire on \_\_\_\_\_. You shall have the right to file/make your claim on us under the guarantee for a period of sixty days from the said date of expiry.

This guarantee shall not be revoked without your express consent and shall not be affected by your granting time or any other indulgence to the supplies or for any other reason whatsoever.

Notwithstanding anything, contained herein above our liability under this guarantee is restricted to Rs. \_\_\_\_\_ and this guarantee will remain in force up to and inclusive of \_\_\_\_\_ unless an action to enforce a claim under the guarantee is filed against us within sixty days from the date of expiry i.e. on or before \_\_\_\_\_, all rights under the guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there under.

**Signatory Bank with Seal**

**Sample Thematic Drawing:**



**\*\*\*END OF TENDER DOCUMENT\*\*\***