**INTERNATIONAL CENTRE FOR GENETIC ENGINEERING AND BIOTECHNOLOGY**

JNU CAMPUS, ARUNA ASAF ALI MARG,

NEW DELHI 110067

NOTICE INVITING TENDER

Sealed bids are invited from reputed and experienced water softner manufacturers for undertaking the following work

Name of the Work: **Supply, Installation and commissioning of Dual Media filter and water softner under buy back of existing water softner including dismantling**

Schedule:

1. Date of bid submission and time: **22nd August, 2019 and 3:00 PM**
2. Date of technical bid opening and time: **22nd August, 2019 and 4:00 PM**
3. Date of Financial bid opening: **Will be intimated to technically qualified bidders**
4. Place of Financial bid opening: **Conference room ICGEB, New Delhi**

The Scope of work and the tender document are appended below can be down loaded from our website and access the links on to <http://www.icgeb.res.in/ndinfo.htm> Interest and eligible contractors are requested to submit the bid complete in all respect along with a tender fee of **Rs.500.00 (Non- refundable)** and EMD of **Rs. 24,000/-** Bids received without the tender fee and EMD will be summarily rejected.

ICGEB reserves the right of outright rejection of all the bid received without assigning any reason. The decision of the institute will be final and binding on all the bidders. In case of cancellation of tender for any reason, the bids will be retained with ICGEB and will not be returned back to the contractor, however EMD will be returned.

**Instructions for Bid submission**

**Technical bid should contain proof of the following:**

1. The Bidder should be Reputed contractor/Supplier and must have executed at-least one similar work of

Rs 9,60,000, or Two similar work of 6,00,000 each or 03 works of Rs 4,80,000 each -in Govt./ PSU/Autonomous bodies, International institutions or Reputed private sector.

(b) Bidder should have its firm/ and or office in Delhi-NCR.

(c) Copies of documents for eligibility criteria must be submitted along with Draft of EMD **in technical bid**.

(d) The sealed price bids should be submitted in separate sealed envelope super scribed accordingly on the envelope and dropped in the tender box at the reception of ICGEB, New Delhi. Bids received after the schedule time & date will not be entertained or returned

(e) Copy oftender document page numbered, signed and stamped on each page by the authorized signatory

(f) Both “Technical” and “Price” bid should be in separate envelops and then put in to one common envelope, super scribing the name of the work and tender opening date etc.

**Financial bid** envelop must contain duly filled, signed and stamped financial bid. The both envelops should be super-scribed clearly with Name of work and **NIT No 04/2019**, providing name(s)and postal address of the Bidder with Phone/ Mobile/ Fax numbers and e-mail address if any.

The offer shall remain open for at least 60 days. Earnest Money Deposit (EMD) amounting to Rs. 24,000/-shall be accepted only in the form of Demand Draft drawn in favour of the ICGEB, New Delhi, and payable at New Delhi. EMD and tender fee must be enclosed with technical bid failing which, bid will summarily be rejected.

**SCOPE OF WORK**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.NO | PRODUCT DESCRIPTION | Unit | | | Qty |
| **1** | **DUAL MEDIA FILTER** |  | | |  |
| a | Quantity |  | | | One |
| b | Make |  | | |  |
| c | Flow Rate | lts/hr | | | 20000 |
| d | Existing pump/ capacity | hp | | | 05 hp/three phase |
| e | Existing water IN/OUT pipe size | inches | | | 04 |
| f | Shell Thickness | mm | | | 5 |
| g | Dish end Thickness | mm | | | 5 |
| h | Shell material |  | | | MS steel/duel side epoxy painted, As per IS 2062 grade B |
| i | Back wash flow monitor |  | | | Orifice board |
| j | Pressure gauge | nos | | | 02 |
| k | Butterfly valve make |  | | | Audco |
| l | No of butterfly valves | nos | | | 5 |
| m | Frontal piping | mm | | | 80 ,TATA/JINDAL |
| n | Media quantity |  | | | Gravels,Pebbels etc. |
| o | Back wash duration | minutes | | | 20 |
| p | Period between backwashes | Hrs | | | 24 |
| q | Max.pressure drop across | Kg/cm2 | | | 0.7 |
| r | Max.Working pressure | Kg/cm2 | | | 3.5 |
| s | Raw water Turbidity | NTU | | | 25 |
| t | Treated water Turbidity |  | | | <5 |
| u |  |  | | |  |
| v | Hardness | ppm | | | 400 |
| x | butterfly valve size | mm | | | 80 |
|  |  |  | | |  |
|  |  |  | | |  |
| **2** | **WATER SOFTNER** |  | | |  |
| a | Quantity |  | | | One |
| b | Make |  | | |  |
| c | Flow rate | M3/hr | | | 20000 |
| d | shell Thickness | mm | | | 5 ,TATA/JINDAL |
| e | Dish end thickness | mm | | | 6 ,TATA/JINDAL |
| f | MS steel Quality |  | | | As per IS 2062 grade B |
| g | Test pressure | KG/CM2 | | | 3.5 |
| h | Operating pressure | KG/CM2 | | | 2.0 |
| i | Feed water Hardness | | | PPM | 400 |
| j | Softner output hardness | | | PPM | below 10 |
| k | OBR | | | ltr | Above 400000 |
| l | Existing water IN/OUT pipe size | | | inches | 04 |
| m | Resin Quantity | | | ltr | 3000 ltr |
| n | Resin make | | |  | Ion Exchange |
| o | Resin Grade | | |  | Na 220 |
| p | Butterfly valve make | | |  | Audco |
| q | No of butterfly valves | | | nos | 5 |
| r | Frontal piping | | | mm | MS 80 ,TATA/JINDAL |
| s | Pressure gauge | | | nos | 2 |
| t | Monitoring regeneration flow | | |  | Caloibrated orifice board fitad in drain sump |
| u | Internal vessel coating | | |  | Epoxy coated with bituminous paint |
|  |  | | |  |  |
|  |  | | |  |  |
| **3** | **BRINE TANK** | | | |  |
| a | Capacity | |  | | 5000 ltr |
| b | MOC | |  | | HDPE |
| C | Brine ejector | |  | | 1 No |
| d | Brine ejector MOC | |  | | 1 '' in polypropylene(pp) |
| e | Ejector isolating valve | |  | | 2 nos |

|  |  |  |  |
| --- | --- | --- | --- |
| 4 | Agitator for salt mixing |  | 01 set |
| 5 | Water Hardness Testing Kit |  | 01 no |
| 6 | Buy back cost for existing tanks |  | 03 nos |

**(TECHNICAL BID)**

**Eligibility Criteria**

1 Name of the Agency:

2. Office Address and Tel. Nos. Email ID:

3.Registration details (with documentary evidence)

4. PAN No. (with documentary evidence)

5. Annual turnover for last three years supported with documentary evidence.

6. Experience (last three years) (copies of work orders and completion certificates if fully executed)

7. Tender Fee

8. Earnest Money Deposit

**GENERAL TERMS AND CONDITIONS**

Name of the Work: **Supply, Installation , testing and commissioning of AHU(Qty 07) and related works under buy back of existing AHU(Qty 07) including dismantling.**

1) The Work shall be done as per schedule of items, specification terms and conditions and instruction of Engineer-in-charge on as and when required basis.

2) Time limit 30 days from the date of the order issued.

3) The rates shall be inclusive of cartage/ loading unloading or any other expenses. GST should be clearly shown separately. Rate must be valid and firm for a period of six months from the date of award of contract/Letter.

4) No Extra charge or any escalation charge will be paid by company.

5) Inferior and Poor quality material will be rejected and work order may be cancelled.

6) The contractor will have to undertake responsibility of accidents etc. for his persons working on line and same will be on stamped paper of Rs.50/100 or the appropriate value (if revised by Govt) The cost of stamp will be borne by the contractor.

7) Before quoting, the contractor is advised to inspect the site of work and shall fully acquaint himself about the conditions and scope of work with regard to accessibility of site required for the satisfactory execution of work. No claim whatsoever shall be entertained by the deptt. on this account.

8) Contractor is to follow relevant Indian standards fire, electricity, safety and building rules.

9) The Contractor shall clean the site after completion of work in all. Any dismantled material shall be stacked in designated place as instructed by the Engineer-in-charge.

10) Charges for **scaffolding or jhula** if any, will considered included in the quoted rates and no extra amount will be paid on this account.

11) Measurement shall be taken jointly by the Engineer-in-Charge or his authorized representative and by the contractor or his authorized representative.

12) All materials brought at site shall be got approved from the Engineer-in-charge before being used. The Contractor shall, at his expense and without delay supply for approval to engineer-in-charge, samples of each material such as square bar, flat bar, MS flat & MS Tee, MS angle and other items along with test certificate as desired.

13) Contractor shall carry out the various tests as enumerated in CPWD/BIS specification.

14) The welding, if involved, must be thoroughly joined & beads; kinks should not be visible. The jointing flux material should be uniformly spread to achieve desired strength. Grinder shall be used to remove bulged out metallic flux.

15) No sub-Contracting or sub-letting is allowed.

16) Quantities shown in the schedule are tentative and may change as per site conditions.

17) 10% ± deviation in quantities would be permitted.

18) Quantities are indicative and likely to vary. Bidder will have no objection for variation in quantities thereon. Payment will be as per actual work executed.

19) The lowest bidder will be awarded order for work.

20) The Director, ICGEB reserves the right to cancel any or all the tenders without assigning any reason.

21) Duly sealed tender shall be dropped in the tender box placed at the reception counter of the ICGEB building.

22) No escalation in any form either of materials or of labor shall be payable by the Centre.

23) No T & P and scaffolding shall be supplied by the Institute.

24) No advance payment shall be made except if specified otherwise in the tender.

25) **Performance Guarantee @5%** shall be deposited to the department on the tendered amount by the agency before award of work. S.D. @5% will be with held while releasing of payment & same will be refunded after expiry of warranty/defect liability period for minimum one year or as per T&C of OMC.

26) **Security deposit of 5%** of bill amount will be deducted and same will be released after successful expiry of defect liability of 12 months from date of completion of Work. EMD amount of success bidder will be adjusted against Performance Guarantee/Security Deposit.

27) EMD of unsuccessful bidders will be returned after finalization of tender.

28) EMD is liable to be forfeited if the contractor fails to commence the work as per award letter.

29) For proper completion of the work, if any quantity variation or extra items are required, the bidder shall execute the same. Rates of extra items shall be derived from the tender itself as far as possible or else prevailing market rates shall be adopted.

30) In case the bidder resiles from the offer within the validity of tender or contractor fails to work as per specification after issue of the award letter, the earnest money will be forfeited. Other suitable administrative punitive action may also have imposed as deemed fit.

31) Time allowed for the work shall be strictly followed otherwise the Contractor shall be liable to pay compensation at the rate of 1 % of the contract value of the job undone per week of delay on the part of the Contractor subject to a maximum of 10% of the total contract value.

32) For site visit and any further clarifications, you may visit ICGEB on any working day (Monday to Friday) between 9.30 a.m. to 5 p.m. (contact person Mr.Naresh Chand Dabral and Mr Joby John).

33). Payment terms: No advance is permissible under normal circumstance. Bill of the full work may be submitted after satisfactory installation & completion of work (within 15 days of completion).

However, for any reason beyond the control of the Contractor the extension of time shall be granted upon application by the Contractor in prescribed format. No claim for any compensation during the extended period shall be entertained and the ICGEB’s decision in this regard shall be final.

**FINANCIAL BID**

|  |  |  |  |
| --- | --- | --- | --- |
| S.NO | PRODUCT DESCRIPTION | Qty | Amount |
| **1** | **DUAL MEDIA FILTER** |  |  |
| a | Quantity | One |  |
| b | Make |  |
| c | Flow Rate | 20000 lts/hr |
| d | Working pressure | 3.5kg/cm2 |  |
| e | shell Thickness | 5 mm ,TATA/JINDAL |
| f | Dish end Thickness | 6 mm, TATA/JINDAL |  |
| g | MOC | MS miled steel As per IS 2062 grade B |
| h | Butterfly valve make | Audco |
| i | No of butterfly valves | 5 nos/80 mm size |
| j | Frontal piping | MS(80 mm),TATA/JINDAL |
| k | Media | Gravels,Pebbels etc. |
| l |  |  |
|  |  |  |
|  | **Total cost Rs.** |  |  |
| **2** | **WATER SOFTNER** |  |  |
| a | Quantity | One |  |
| b | Make |  |
| c | Flow rate | 20000 lts/hr |
| d | shell Thickness | 6 mm,TATA/JINDAL |
| e | Dish end thickness | 8 mm,TATA/JINDAL |
| f | FRP lining thickness | 3 mm |
| g | Test pressure | 6kg/cm sq |
| h | Operating pressure | 3kg/cm sq |
| i | Feed water Hardness | 400 ppm |
| j | Softner output hardness | below 10 ppm |
| k | MS Vessal Diameter |  |
| l | MS Vessal Height |  |
| m | Resin Quantity | 3000 ltr |
| n | Resin make | Ion Exchange |
| o | Resin Grade | Na 220 |  |
| p | Butterfly valve make | Audco |
| q | No of butterfly valves | 5 nos/80 mm size |
| r | Frontal piping | MS 80 mm,TATA/JINDAL |
|  | **Total cost Rs.** |  |  |
| **3** | **BRINE TANK** |  |  |
| a | Capacity | 5000 ltr |  |
| b | Brine ejector | 1 No |  |
| C | Brine ejector MOC | 1 '' in polypropylene(pp) |  |
| d | Ejector isolating valve | 2 nos |  |
|  |  |  |  |
|  | **Total cost Rs.** |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **4** | **Agitator for salt mixing** | 01 set |  |
| **5** | **Water Hardness Testing Kit** | 01 nos |  |
| **6** | **Buy back cost for existing tanks** | 3 nos |  |

|  |  |
| --- | --- |
| Total Cost (1+2+3+4+5-6) |  |
|  |  |