

Government of India
BHABHA ATOMIC RESEARCH CENTRE
E&I Group
SESSD/PPSS
Mumbai-400085



Ref No: BARC/E&I/SESSD/PPSS/MHEF/NIT/2022/238

Date: 03.06.2022

Due Date: 30.06.2022 upto 15:00 Hrs.

Sub: Invitation to submit your Quotation

On behalf of President of India, Head, SESSD, of Electronics & Instrumentation Group, Bhabha Atomic Research Center invites quotations in sealed envelope for the work given below as per the scope of AMC along with Terms & Conditions.

S. No.	Description of Job	Period of AMC
1.	AMC of Electric-Fence, Mandala Hill, BARC as per attached Annexure-I	Three (3) years

Quotations (Two Bid tender) are invited for the above Described Job as per given annexure on or before **30.06.2022 upto 15:00 Hrs.** in a sealed envelope through registered post/speed post of Indian Postal Services only.

The terms and conditions are given below:

1. Qualifying criteria for bidders:

- 1.1 Firms willing to bid for above mentioned job shall have been **Vetted by Security Section** of BARC.
- 1.2 All the supervisors and workers should have valid Police Verification Certificate (PVC). The list of manpower available with firm shall be submitted along with their **valid details of PVC**.
- 1.3 Engineers, Supervisors & Workers/labourers deployed by the vendor should be well experienced in Commissioning, Maintenance, Repair & Upgradation of e-Fence in **DAE/BARC. A documentary proof of the same is mandatory.**
- 1.4 All Staffs of the Vendor/Contractor employed for execution of job in this Tender should have proper Personal Protective Equipment (PPE), the arrangement of which shall be made by the concerned Vendor/Contractor.
- 1.5 All staffs of the Vendor's/Contractor's Company/Firm should have valid PVC.
- 1.6 The past experience of the firm in similar nature in BARC/DAE shall be made available with Work Order copy and satisfactory completion certificate from the said user. Also, the list jobs undertaken during above period inside BARC premises with expected completion period shall be provided.

2. The quotation should be in **Single Main sealed envelope** containing **Two Separate Bids Envelopes** for Technical & Financial.

3. The Single Main Envelope must be superscripted with **Tender Ref. No. & Description of the AMC** as mentioned above.
4. The two separate Envelopes containing **Technical(Part-A) & Financial(Part-B)** Bid must be clearly superscripted with **Technical bid(Part-A) & Financial bid(Part-B)** separately along with concerned **Tender Ref. No. & Date**.
5. **Vendor must provide in Financial bid(Part-B) the List of Consumables Spares included in AMC.**
6. **Listed Consumable Spares** have to be given by vendor **free of cost** during its currency of **AMC period**.
7. For **Non-Consumable parts Department** will provide to Vendor for installation as & when required.
8. Also, Vendor must **quote the cost of AMC including trained Manpower** (as per Annexure-I/2A) for deployment on all **working days (including emergency i.e. non-working day)** to PPSS/SESSD along with Consumable Spares.
9. The complete quotation shall reach the following address on or before **30.06.2022 upto 15:00 Hrs.** by **Registered Post / Speed post only**. The quotations will be opened on **01.07.2022** in Accounts Division, BARC between **1500 to 1600 Hrs.**

To,

Head, PPSS/SESSD

Attention: "Shri. Ranjit Sen"

Room No. 313

E&SC building

BARC, Trombay

Mumbai- 400085

5. **Printed Letter Head:** Quotation should be printed on the Vendor's letter head; computer generated quotation is not valid.
6. **Validity of the Offer:** Validity of the offer shall be **for 90 days** from the date of opening of quotation.
7. **Guarantee:** Vendor shall provide guarantee/warranty of repaired/rectified component for the period of min. **12 months** from the date of acceptance by the Department.
8. **Free Issue Material:** No free material/components/cables etc. other than **Non-Consumable Parts** as in point **No. 7** will be issued for the subject of work other than, water and electricity.
9. **Offer of Firm:** Offer of those firms, who do not submit their quotation as per the details given in the Annexure-I & II i.e. incomplete quotations shall not be considered.
10. The department reserves right to extend the date of opening of the quotations.
11. **Payment Terms:** Post award of AMC contract to a Vendor; Accounts Division BARC Mumbai-400085 shall make payment of AMC charges only after the submission of the Quarterly satisfactory work completion proof. No advance payment is admissible.

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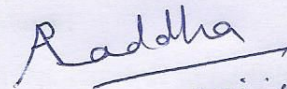
12. If any of the employee, consultant, or partner of the company is an Ex- BARC employee, the same must be stated in the quotation clearly.

13. **GST/PAN Number:** Quotation shall consist of GST Registration Number & PAN number of the firm etc. on quotation letter head.

14. **Safety & Security Rule:** The vendor shall follow all the safety procedures as per the normal industrial practice during the execution of the job at site. Any mishap occurring during the work due to unsafe workmanship shall be the vendor's liability. Security and transportation rules at BARC, Trombay premises shall be strictly followed.

15. Confidential Clauses:

- I. **Confidentiality :** No party shall disclose any information to any third party concerning matters under this contract generally, In particular, any information identified as "Proprietary" in nature by the disclosing party shall be kept strictly confidential by the receiving party shall not be disclosed to any third party without the prior written consent of the original disclosing party This clause shall apply to the sub- contractors, consultants, advisors, or the employees engaged by a party with equal force.
- II. "Restricted information" categories under section 18 of the Atomic Energy Act, 1962 and "Official secrets" under section 5 of the Official Secret Act, 1923: Any contravention of the above mentioned provisions by any contractor, sub- contractor, consultant, advisor or the employee of a contractor will invite Penal consequences under the aforesaid legislation.
- III. Prohibition against use of BARC's name without permission for any publicity Purpose. The contractor or Sub contractor, consultant, advisor or the employees engaged by the contractor shall not be use any public purposes through any media like press, TV, or internet, without the prior written approval of BARC.


07/06/2022
(Shri Anand Laddha)
Head, PPSS
BARC

(For and on behalf of President of India)

आनंद लढढा / Anand Laddha

अध्यक्ष, भौतिकी सुरक्षा प्रणाली अनुभाग
Head, Physical Protection Systems Section
सुरक्षा इलेक्ट्रॉनिक्स एवं सॉफ्टवेयर प्रणाली प्रभाग / SESSD
भाभा परमाणु अनुसंधान केंद्र / Bhabha Atomic Research Centre
भारत सरकार / Government of India
ट्रॉम्बे, मुम्बई / Trombay, Mumbai - 400 085.

SCOPE OF JOB

The scope of work in brief includes Preventive & Breakdown Maintenance of EFENCE installed at BARC Mandala Hill and accessories. The bidders may make a site visit to understand the exact requirements and the present system setup.

1. System Introduction

Mandala Hill e-Fence is located at North site of BARC. This PIDS is having full stretch of approximately 5Km in length on a mountainous terrain. E-Fence System comprising of broadly Three Major parts.

- a. Energizer 17 Nos
- b. SS 304 fence wire of 250 mtrs (x2) i.e. 500 mtrs of length per Energizer
- c. Dual Earth Pit per Energizer

Each Energizer consists of

- a. Dual HV Pulse Generator
- b. All-in-All Alarm processing card
- c. SMPS
- d. Battery
- e. Communication Data Module
- f. Two types of cables (Twisted pair 4 core cable & 4 core 2.5 Sq. mm power cable)

It is mandatory to carry out scheduled PM or BM etc. by authorized person without getting electric shock/hazard.

2. Vendor's Job at site

- A. Supply of **Three manpower i.e. One Technician (Must have ITI qualification with minimum 3 yrs. experience in Electronics/Electrical field) & Two Helpers (Must have 12th HSC with sciences)** to PPSS/SESSD for AMC on all working days.
- B. Checking of e-Fence for its healthiness as per the QPM sheet in Annexure-II to be filled and submitted to PPSS quarterly for records.
- C. Replacement of faulty HV Pulse Generators, All-in All cards, SMPS, Batteries, Data. Convertor/Repeater Modules, Energizer Cabinet etc. will be given by Department as and when reported to be faulty.
- D. Restoration of AC mains PS.
- E. Tightening of e-fence wires maintaining 100mm gap between each of other.
- F. Cleaning of Vegetation & Pruning of Tree branches.
- G. Keeping e-Fence SS wires free from any concertina wire touching/shorting.

- H. Recording of all HV & LV Pulse Voltage O/P & its I/P(return).
- I. Ensure healthiness of DC Supply for functioning all Electronics Modules/Cards.
- J. Ensuring Communication of data from all Energizers to Monitoring PC @ Security Guard House.
- K. Keeping e-Fence working all the time i.e. High Availability Factor.
- L. PM Bi-Yearly of all earth pits should be done by injecting chemicals/solvent for the purpose of maintaining its integrity.
- M. Ensure Good lightening arrestor for each energizer control cards protection.
- N. Ensure Energizer cables glanding & Ingress Protection of grade IP66.
- O. Panel interior lighting for maintenance activity should be intact.
- P. NAR (Nuisance Alarm Rate) & FAR (False Alarm Rate should be as minimum as possible.
- Q. Vendor must have all kinds of Electronic Tools & Tackles, HV & LV Pulse Measuring Instruments & must be equipped with Personal Safety Gears.