

**Government of India**  
**Bhabha Atomic Research Centre**  
**Post Irradiation Examination Division, Radiological Laboratories**  
**Trombay, Mumbai 400 085**

Tel: 25594047, Fax: 2550 5151

Ref: PIED/AB/2022/257

06.07.2022

To,

**Sub: Annual Maintenance Contract for maintenance and upkeep of shielded casks at PIED, RLG, BARC**

Dear Sir,

Please send us your lowest quotation for the Annual Maintenance Contract for maintenance and upkeep of shielded casks at PIED, RLG, BARC as per the technical specification and terms and condition given below:

**Scope of work:**

1. Annual Maintenance Contract for maintenance and upkeep of 10Nos. Pressure Tube Cask, 3Nos. Double bundle fuel transportation cask., 4Nos. Solid waste storage shielded cask and 30Nos. shielded hot-wells. The period of contract shall be **twelve months** from the release of work order.
2. Shielded casks are lead filled double walled containers. Outer and inner shells are made with steel and lead is filled between the Outer and inner shells. These casks are used for transportation and storage of highly radioactive materials.
3. Size and weight of these casks are as per following

3.1.	Pressure Tube Cask 10Nos.	500mm dia x 6000mm long, Weight – 8MT
3.2.	Double bundle fuel transportation cask 3Nos.	800mm dia x 2500mm long, Weight – 8MT
3.3.	Solid waste storage shielded cask 4Nos.	1000mm dia x 3500mm long, Weight – 6MT
3.4.	Shielded hot-wells 30Nos.	400mm x 400mm x 600mm height, Weight – 2MT each

4. Scope of work :
  - 4.1 Leak test of pressure tube cask and Double bundle fuel transportation cask once in a three months
  - 4.2 DP testing of all the weld joints of all the cask once in a three months
  - 4.3 Maintenance and lubrication of lifting devices and wire rope slings
  - 4.4 Removal of old gaskets and fitting of new gasket once in six months

- 4.5 Tapped hole cleaning and re-tapping once in a three months.
- 4.6 Lubrication of castor wheels of hot-wells once in a three months.
- 4.7 Decontamination of cask outer body daily.
- 4.8 Removal of old anti-rust coating of all the cask and re-application of anti-rust coating once in a three months.
5. Contractor shall arrange adequate man power (**minimum Two fitters and Two Helper per day) and one supervisor on daily basis**. Man power requirement will vary as per work load.
6. Contractor shall arrange all Personal Protective Equipment (PPE) like Boiler suit, Half Mask Respirator with HEPA filters, Cotton gloves, Surgical Gloves, Postmortem Gloves, PVC shoe cover, duster, cotton head cap etc. for all working personnel. Department will not provide any PPE for this work.

**Important Note:**

2. Since the work is in radioactive area, all working personnel shall strictly follow the instruction of health physicist and dept. supervisor. The contractor has to arrange medical fitness certificate for all the working personnel. TLD and Dosimeter will be issued to all working personnel.
3. Since the scope of work involves site work, you shall obtain clearance from police and CID for all staff who may be deputed for site work at PIED, RLG, BARC. This is mandatory and the responsibility of obtaining such a clearance is within your scope of work.

**Please note the following :**

1. The period of contract shall be twelve months from the release of work order.
2. Service Charges accepted shall be firm during the currency of the Contract.
3. Half yearly payment will be done. No advance payment will be made
4. The sealed quotations shall reach the office of the Head PIED, New Hot Cells Facility, RLG, BARC, Mumbai – 85 on or before **21.07.2022 by Speed Post of Indian postal services.**
5. Please address your offer to: **Anil Bhandekar, SO/G, Post Irradiation Examination Division, RLG, BARC, Trombay, Mumbai-400 085.**
6. The quotations are to be sent in a sealed envelope with the following information marked on top of the envelope: "Quotation for Annual Maintenance Contract of maintenance and upkeep of shielded casks"
7. Offers sent by telegram, telex, fax or e-mail will **not** be considered.
8. All taxes should be mentioned clearly.
9. Quotation should be in the printed letter head /quotation format which should consist of Sales Tax Registration Number, PAN Number of the firm, Service Registration Number, etc.
- 10. Quotation shall be signed by proprietor or authorized person and affix company seal.**
11. Computer generated quotation form will not be accepted.
12. Income Tax @2% surcharge on IT and other cess as applicable will be deducted at source from your bill

Yours sincerely,



**ANIL BHANDEKAR**  
Scientific Officer  
Government of India  
P.I.E. Division, B.A.R.C.  
Trombay, Mumbai - 400 085.

Anil Bhandekar  
SO/G, PIED