Sub: Segregation, recovery, packing and disposal of compressible and non-compressible radioactive waste

Dear Sir,

Please send us your lowest quotation for segregation, packing and disposal of radioactive waste as per the scope of work given below:

**Scope of work:**

1. We have approx. 10MT of radioactive metallic waste to be packed and disposed. These wastes are form of shielding blocks, abandoned contaminated machine components, abandoned contaminated equipment etc. These wastes contains metals like SS304, MS, Copper, Aluminum, lead etc. These are to be segregated, dismantled and packed in 200L MS drums. Some equipment and shielding components have to be dismantled for metal recovery and for ease in packing.

2. Segregation of waste based on type like metal type, compressible, non-compressible, pyrophoric, non-pyrophoric etc.

3. Packing of segregated waste in MS Drums as directed by departmental supervisor and health physicist.

4. We have abandoned lead filled casks. These are to be dismantled by gas cutting the mild steel outer shell and then balance lump of lead has to be melted again. After melting, the lead has to be cast in form of standard lead ingot of 30Kg.

5. Quantity of lead filled casks from which lead has to be recovered: 2MT

6. Outer shell of lead filled casks shall be dismantled.

7. After dismantling of lead filled casks, remaining lead shall be weighed. These lead lumps have to be melted and cast in form of standard lead ingot.

8. We have three abandoned contaminated lead cubicles to be dismantled. Each cubicles have 2MT lead bricks and approx. 500Kg Structural sections

9. After dismantling lead brick shall be recovered. Structural sections shall be decontaminated and reconditioned.

10. Cutting of each category of waste in to small pieces using gas cutting or mechanical cutting.

11. Packing of small pieces of waste in steel drums.

12. 50Nos. brand new MS Drums of 200L capacity shall be arranged by the fabricator.

13. All lead items shall be decontaminated thoroughly. After decontamination all lead items shall be melted/ casted into ingot form of 30Kg.

14. Contractor shall arrange adequate skilled man power (minimum six persons per day) and one supervisor on daily basis.

15. Contractor shall arrange all consumables like Acetylene gas, industrial LPG and Oxygen cylinders. 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 shall be arranged by fabricator. Department will not provide any PPE for this work.
**Important Note:**

1. DA cylinder and oxygen cylinder shall be arranged by the fabricator.
2. All other miscellaneous tools like grinders, drilling machine etc. shall be arranged by the fabricator.
3. The fabricator has to arrange medical fitness certificate for all the working personnel. TLD and Dosimeter will be issued to all working personnel.
4. Since the work is in radioactive area, all working personnel shall strictly follow the instruction of health physicist and dept. supervisor.
5. 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.

**Terms and Conditions:**

1. The work is to be completed within 30 days of receiving the firm work order from us.
2. The sealed quotations shall reach the office of the Head PIED, New Hot Cells Facility, RLG, Mumbai – 85 on or before **27.03.2020** by Registered Post of Indian postal services.
3. Please address your offer to: Anil Bhandekar, SO/G, Post Irradiation Examination Division, RLG, BARC, Trombay, Mumbai-400 085.
4. The quotations are to be sent in a sealed envelope with the following information marked on top of the envelope: “Quotation for segregation, packing and disposal of radioactive waste”
5. Offers sent by telegram, telex, fax or e-mail will not be considered.
6. All taxes should be mentioned clearly.
7. 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.
8. Quotation shall be signed by proprietor or authorized person and affix company seal.
9. Computer generated quotation form will not be accepted.
10. Item is required for research purposes. Therefore, excise duty will not be applicable. The necessary excise duty exemption certificate will be issued. Supplier has to quote the price exclusive of excise duty.
11. Income Tax @2% will be deducted at source from your bill
12. Delivery period should be mentioned with all the possible consideration.
13. Payment will be made within 30 days from the date completion.

Yours sincerely,

Anil Bhandekar
SO/G, PIED