

Government of India
BHABHA ATOMIC RESEARCH CENTRE
Post Irradiation Examination Division,
RLG, Trombay, Mumbai: 400 085

Ref.: PIED/MPD/2017/814

October 09, 2017

**Sub: Invitation of quotation for “Segregation, Cutting to the size,
Packing & Disposal of active and inactive waste” as given in the annexure**

Sealed offers are invited for & on behalf of President of India for above mentioned work with following terms and conditions

Terms and Conditions:

- The reference number given above should be mentioned clearly on the sealed envelope. The rate shall be type written and hand written rate shall not be considered.
- Sealed quotations should be submitted only through registered/speed post through Indian Postal services.
- Payment will be made only after completion of work.
- The quotations shall be on your letter head and shall indicate GST registration number. Quotations shall be complete in all respects with regard to price, validity of the offer, etc.
- Your offer shall be valid for minimum 90 days from the date of opening and quoted price shall remain firm during the period of execution of the order
- The work covered by this order shall be completed within 90 days from the date of issue of Work Order.
- Income tax, surcharge and Edu-cess as applicable shall be deducted from the bill.
- Quotation must reach us **on or before 15.00hrs. on 18/10/2017.**

Please address your offer to:

M. P. Dhotre.,
PIE Division, RLG Complex,
Bhabha Atomic Research Centre,
Trombay,
Mumbai PIN: 400 085.

For any Query and clarification: Contact No. 022-25594079

Yours faithfully,

(M. P. Dhotre)
Scientific Officer G
For & on behalf of The President of India

Annexure

SCOPE OF WORK:

During refurbishing work of hot cell, isolation and warm work, approximately 60 to 70M³ metallic waste has been generated. This waste is to be disposed from the facility as given below.

The work involve segregation of the non radioactive and radioactive waste as per their category i.e. compressible, non compressible, metallic (stainless steel and mild steel), non metallic, glass etc. with the help of health physicist of the department.

1. Non radioactive waste:
 - 1.1 The metallic waste cleared by health physicist is to be dumped at the given metallic waste collection centre (~100meters distance).
 - 1.2 Rearrangement of the all metallic structural material, lead bricks, lead filled cask etc in the yard (~ 50MT)
 - 1.3 Shifting of the mobile metallurgical lab within 50 meters distance. The size of the lab is 2.5mx2.5mx6m and weight 3MT. The contractor will have to arrange suitable material handling equipment like crane, hydra or forklift required for this work.
 - 1.4 The cleaning and decontamination of the large structural metallic part, clearing it from departmental health physicist and shifting it outside the radioactive area for disposal.
 - 1.5 Gas cutting of the metallic waste to the size for transportation by truck.
2. Radioactive waste: (The dose of the waste is up to 50mR/hr)
 - 2.1 Identifying the radioactive waste with the help of health physicist, packing of smaller object directly in the open top drums.
 - 2.2 Gas cutting of the large metallic waste to the size of 200litre open top drum and packing it in waste drums. The care shall be taken that maximum material shall be packed in the drum and there shall not any vacant space before dispatch. The work is to be executed at given place as recommended by the department
 - 2.3 The waste also consist stainless steel structural material it is to be cut by plasma cutting or abrasive cutting wheel and packed in the drum
 - 2.4 After packing of the drums they shall be stored in the area near 100mtrs distance as suggested by the division,
 - 2.5 When the transport will be arrived for the collection of the drums, contractor will have to make the necessary arrangement to load the drums in truck.
 - 2.6 The facility has small and medium type lead filled casks for shifting of the radioactive specimen. These casks are to be decommissioned by removing the inside lead by melting and converting it in the lead ingot form and stacking of it to the given area. Please note that the supplier will have to make necessary arrangement for melting process and removal of the fumes safely from the department.
The approximately lead to be extracted and converted in ingot form is up to 4000kgs.
 - 2.7 The remaining metallic material is to be loaded in the open top drums for disposal.
 - 2.8 Shifting of the loaded drums in the safe storage area given by the department (with in ~50M distance) for keeping the facility free for material movement. Supplier will have to arrange for the material handling equipment for shifting and rearrangement.
 - 2.9 After completion of the work, the area is to be cleaned and decontaminated.

Compulsory safety arrangement:

1. To carry out the above radioactive job the medical certificate shall be produced on the prescribed form from registered medical practitioner before starting and after completion of the job.
2. The work will be supervised by the departmental person.
3. The person working in the area will be issued chest TLD badge and the worker have to wear the badge during the work and returned back to the department while leaving the place.

4. The person working in the area will have to use the respirator, boiler suit, protective shoes and shoe covers, cap, surgical glove etc. as per the guide line given by the health physics. The department will provide safety material required to carry out the job

Facilities that will be provided by the department:

1. Department will provide a supervisor who will render administrative help.
2. The department will provide electricity and water free of charge at site.
3. The available essential consumables in the departmental stores required for the job will be issued free of charge.

TERMS AND CONDITIONS:

1. Since the scope of work involves site work, you shall obtain clearance from police and CID for supervisors and 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.
2. All electrical appliances belonging to you shall have a performance certificate without which they cannot be connected to the electrical supply points provided by the department. Hence, you are requested to obtain the certificate for the appliances before bringing them into BARC.
3. The work is to be completed over a period of two months after receiving the firm order.
4. Payment will be released after obtaining a job completion certificate from the competent authority on quarterly basis.
5. The sealed quotations shall reach the office of the Head, PIED, RLG, BARC, Mumbai-400085 on or before 18.10.2017 by 15:00 hours.
6. Please address your offer to: **M.P. Dhotre, SO/G, Post Irradiation Examination Division, RLG, BARC, Trombay, Mumbai -400 085.**
7. The quotations are to be sent in a sealed envelope with the following information marked on top of the envelope: **“Segregation, Cutting to the size, Packing & Disposal of active and inactive waste”**
8. All taxes should be mentioned clearly.
9. Income tax, surcharge and education cess as applicable will be deducted at source before making the payment.