

Government of India  
Department of Atomic Energy  
Nuclear Fuel Complex  
Billet Preparation Shop (93)

NOTICE INVITING TENDER

Tender No: NFC/BPS(93)/Contract/74/2017

Dt: 30.08.2017

To

M/s. \_\_\_\_\_

\_\_\_\_\_

Dear Sir,

On behalf of the President of India, sealed item rated tenders are invited from competent and well experienced contractors for the following work on works contract basis.

- 1) Name of Work : Cleaning & Bailing of Zircaloy turnings for chlorination
- 2) Scope : Complete scope of work involved is given Annexure-I
- 3) Duration of Contract : 12 months
- 4) Estimated Cost : Rs 15,70,000/-  
(Rupees Fifteen Lakh Seventy Thousand only)
- 5) Earnest Money Deposit : Rs.31,400 (2% of estimated cost)  
EMD in the form of Fixed Deposit Receipt / crossed demand draft drawn in favour of "Pay and Accounts Officer, NFC" payable at Hyderabad shall be submitted. Offers without EMD will be summarily rejected. [Name & A/c no. of contractor may be written at back side of DD submitted towards EMD and the DD shall be drawn after the date of release of NIT]
- 6) Issue of tender document : From 31.08.2017 to 09.09.2017
- 7) Last date for submission of tender : 12.09.2017 up to 14.00 hours.
- 8) Date of opening the sealed tenders : 12.09.2017 at 14.30 hours.
- 9) Cost of tender document : Rs 500/- (Demand draft or banker's cheque payable at Hyderabad drawn in favour of "Pay & Accounts Officer, NFC")

Quotations are to be submitted strictly in the format enclosed. Tender and EMD shall be placed in two separate envelopes clearly indicating tender No. and each marked as TENDER & EMD respectively. Both the envelopes shall be submitted together in another sealed envelope super scribing Tender No. & description of work along with due date and time of submission on the outer cover.

Tenders shall be dropped in tender box kept at BPS Stores, NFC, Hyderabad.

Tenders will be opened at Works Section, III floor, Aadhar Building, NFC. Late/delayed & tenders not accompanied by EMD shall not be considered.

SM (EPP, BPS, BAR OP. & M/C SHOP)  
For & On behalf of the President of India

**Note:** NFC is committed to a corruption free work environment. "All the purchase and contracts commitments of NFC will be honoured without the citizen having to pay any bribe". "In case any person demands any bribe, it is the duty of a responsible citizen to inform the matter to the Vigilance Officer, NFC, Hyderabad". Telephone No. 040-27122181 & 040-27184314 (Office) and 040-27137012 (Residence). Email: [vo@nfc.gov.in](mailto:vo@nfc.gov.in)

Scope of Work for Work Order Tender No. NFC/BPS(93)/Contract/74/2017

Processing of fine Zircaloy turnings for chlorination by removing contaminants such as fungus, foreign materials like plant leaves, dust and coolant oil by thorough cleaning with alkaline solutions.

- The process steps for cleaning are as follows:
  - 1) Segregation and separation of foreign materials like plant leaves and dust particles etc.
  - 2) Segregation of turnings to remove fine powder mass.
  - 3) Removal of fungus by washing with running water and hand picking.
  - 4) Soaking in alkaline bath with continuous air agitation.
  - 5) Wash in running water.
  - 6) Clean in alkaline bath with air agitation.
  - 7) Wash in running water
  - 8) Clean in alkaline bath with air agitation.
  - 9) Wash in running water
  - 10) Spreading for solar drying
  - 11) Final inspection and magnetic checking
  - 12) Collection, weighing, storing in drums and assisting for transportation to ZSP.
- The process steps for Bailing of scrap:
  - 1) Segregation of scraps for bailing and keeping in the drums as per stack of 5-15 kg with polythene sheet in between
  - 2) Loading the scrap to bailing machine
  - 3) After compaction take out the scrap and keep in drums
  - 4) After each shift, bailing machine has to be cleaned
  - 5) Compacts have to be kept for sun drying/furnace drying.
  - 6) Compacts have to be removed, kept in drums, weighed and assist for transportation to ZSP.

Note:

1. The contractor shall have experience in cleaning, handling of zircaloy turnings & powders. The offers without experience will not be considered. Document proof i.e., earlier work order copies shall be submitted to obtain the tender document.
2. In every shift, one supervisor, Diploma in Mechanical or B.Sc. qualified shall be deployed for taking care of safety and supervision of work.
3. Supervisors employed shall be in position to understand all the safety instructions issued by Safety Engineering Division, NFC from time to time and shall implement the same. They shall maintain log books of work carried & attendance on daily basis and shall make sure that all the legal & safety requirements are adhered as issued by NFC.
4. The work order is for carrying out the job only. The machinery and tools will be provided by the employer.
5. The contractor shall be able to do this cleaning work in two shifts with sufficient manpower. This is for faster requirement of cleaned scrap.
6. The best work output per person is 110 kg/shift, as quantity more than 110 kg/shift per person of pyrophoric material handling may lead to unsafe work and not acceptable to NFC. Hence sufficient manpower per shift shall be calculated and deployed.