

FORM 'B'

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
NUCLEAR FUEL COMPLEX
EPP (92)
NOTICE INVITING TENDERS

Tender No. NFC/EPP (92)/cont/2017/02

Dt 21.10.2017

To
M/s.

Dear Sir,

On behalf of the President of India, sealed item rated tenders are invited by SM, EPP, Nuclear Fuel Complex, Department of Atomic Energy, ECIL Post, Hyderabad –500 062 from competent and well experienced contractors for the following work on works contract basis.

- 1) Name of Work : Induction coil reconditioning, Heating of Billets before expansion, Extrusion & Beta quenching operation and auxiliary operations in extrusion press
- 2) Scope : As per Annexure – I
- 3) Duration of Contract : 12 months
- 4) Estimated Cost : Rs.19,78,000/- (Rupees nineteen Lakhs seventy eight thousand only)
- 5) Earnest Money Deposit : Rs.39,560/- (Rupees thirty nine thousand five hundred and sixty only) (2% of the 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 the contractor may be written at the back side of DD submitted towards EMD and the DD to be submitted shall be drawn after the date of release of NIT to ensure that it is valid for the entire offer period.

- 6) Issue of tender document : From 27.10.2017 to 12.11.2017
- 7) Last date for submission of tender : 17.11.2017 up to 14.00 hours.
- 8) Date of opening the sealed tenders : 17.11.2017 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 superscribing Tender No. & description of work along with due date and time of submission on the outer cover.

Your offers shall be deposited in tender box kept for the purpose at EPP, Nuclear Fuel Complex, ECIL Post, Hyderabad – 500062, on or before 17.11.2017 up to 14.00 hours.

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

Tender document issued to the contractor is non-transferable.

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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

Terms and Conditions of NIT No: NFC/EPP (92)/cont/2017/02

1. The contractor will be completely responsible for the job. The contractor shall deploy sufficient man power required for completion of the work. The contractor shall supervise the job either personally or entrust and authorize a competent person who shall fully be responsible for carrying out the jobs safely. Authorisation shall be furnished in writing. The contractor shall deploy only those qualified man power who have prior experience in the works as brought out in the scope of work.
2. No child labour should be engaged.
3. **Contact labour are to be engaged in both first Shift and second shift including holidays.**
4. The workers engaged by the contractor should wear uniform which is distinct from NFC uniform. Safety shoes and other PPE as required for the job are to be provided by the contractor for all the workers engaged by him and ensure its usage. The contractor has to ensure safe working practices and follow all safety rules and regulations stipulated by SED, NFC from time to time.
5. The Contractor must follow all Labour Laws such as Contractor (Regulation & Abolition Act), Payment of Wages Act, EPF & MP Act, ESI Act, Payment of Bonus Act, Employees Compensation Act etc. NFC reserves right to ask Contractor to furnish proofs /documentary evidence for following the above laws. Clarifications on statutory provisions if any, may be sought from Welfare Officer, NFC, Hyderabad on 040-27183059 or wo@nfc.gov.in on any working day during office hours.
6. Wages are to be paid as per Minimum Wages Act, notified by RLC (C) from time to time.
7. Earnest Money Deposit at the rate of 2% of estimated cost put to tender shall be submitted along with tender in the form of Fixed Deposit Receipt / crossed demand draft drawn in favour of "Pay and Accounts Officer, NFC" payable at Hyderabad. Offers without EMD will be summarily rejected.
8. Certificate from Officer-in-charge at NFC regarding payment of minimum wages to the contract labour is to be enclosed along with the claim.
9. The contractor shall produce necessary police verification certificates from the local police station for the manpower being engaged for the purpose.
10. Valid Medical fitness certificate from at least an MBBS doctor for the workers engaged shall be submitted. The contractor shall ensure that all his labour who are engaged in work are covered under ESI and EPF. Proof of the same shall be produced before start of the work.
11. **The quoted value shall be inclusive of GST & exclusive of ESI, EPF and any other mandatory duties and labour payments.** The bills will be released against submission of documentary evidence towards payment of ESI, EPF and Service Tax to the concerned authorities.
12. The contractor shall provide the registration details of Income Tax, GST, ESI, EPF, etc. while collecting tender document and copies of the same shall be submitted along with tender document.
13. Performance Guarantee @5% of Work Order value shall be submitted within (4 to 15 days) from the date of issue of letter of acceptance in the form of Fixed Deposit Receipt or Demand Draft or Bank Guarantee. (valid for 14 months + claim period of 6 months)(Extension of time for submission of Performance guarantee at the request of contractor shall be charged @0.1% per day of performance guarantee amount. If the performance guarantee is not submitted within the extended time, the EMD submitted shall be forfeited.
14. In case of non-submission of Performance Guarantee within prescribed/extended time, the Earnest Money Deposit submitted will be forfeited.
15. Security Deposit @ 2.5% of the Work Order Value shall be recovered from Running Account bills. The Security Deposit amount recovered shall be released after Three (3) months from the date of completion of entire work, or after payment of final bill, whichever is later.
16. Income tax @ 2% or as applicable & TDS on GST as applicable at source shall be deducted from the payments made. Contractor shall furnish his PAN No. and bank details along with a xerox copy of the same duly countersigned by him. Non submission of PAN or incorrect PAN No. attract income tax @ 20 % on the gross bill.
17. Payment for the work done by the contractor shall be made based on the work done by contractor which was accepted and measured by the Officer in charge, duly approved by the Competent authority. The payment will be made on quarterly basis in three to four instalments.
18. Offers received will be evaluated based on the total cost quoted inclusive of GST & exclusive of EPF, ESI etc.
19. The offer should be kept valid for a period of three months from the date of opening of tender.
20. Incomplete and conditional tenders shall be rejected. However unconditional rebates are acceptable.
21. Contractors shall quote the rates both in words and figures.
22. In case there is a variation between the rates in figures and words, the rate which corresponds to amount worked out by the contractor shall be taken as correct.

23. When the amount of an item is not worked out by the contractor, or if it does not correspond with the rates written either in figures or in words, then the rate quoted by the contractor in words shall be taken as correct.
24. When the rate quoted by the contractor, in figures and in words tallies, but the amount is not worked out correctly, the rate quoted by the contractor shall be taken as correct and not the amount.
25. Contractor shall sign each page of the tender document along with the Schedule of quantities & Rates.
26. In case the contractor fails to commence the work specified in the tender document within the prescribed time schedule, then the Government shall without prejudice to any other right or remedy be at liberty to forfeit whole EMD absolutely.
27. The contractor shall ensure that labour deployed for the contract would confine themselves to their respective places of work and not indulge in activities that would be harmful to NFC.
28. NFC reserves right to accept or reject any quotation, either completely or partly, without giving any reasons.
29. If on acceptance of the tender, owing to the circumstances if the scope of the work remains altered, reduced or abandoned for any reason NFC shall give a notice in writing to that effect to the contractor who shall act accordingly. Also, if the workmanship is not satisfactory, the contract shall be cancelled.
30. Before quoting, the contractor may visit NFC for assessment of work with prior permission of SM, EPP. He may contact at 040-2718 4369 / 3426.
31. If the contractor fails to execute the work completely, then the Government shall without prejudice to any other right or remedy be at liberty to forfeit whole Security Deposit and Performance Bank Guarantee absolutely.
32. If the L-1 bidder quoted much lower than the estimated cost, then a Bank guarantee for the differential cost may be obtained from the L-1 bidder as per CVC guide lines.
33. The contractor is covered under all applicable statutes including labour laws & NFC shall not be held responsible for any untoward situation arising out of contractors work.
34. The extension can be considered on satisfactory execution of work, which is subjected to the approval of competent authority.
35. AERB safety guidelines on "Control of works" (AERB/NRF/SG/IS-1, Rev-1) shall be followed by the contractor. Available at <http://www.aerb.gov.in/images/PDF/CodesGuides/General/IndustrialSafety/1.pdf>.
- 36. The contractors has to submit their GST details for issue of tender documents.**
- 37. The contract work requires proper supervision in technical and safety aspects. So an electrical supervisor is to be employed for looking after the above work.**
- 38. The electrical supervisor should have minimum qualification of diploma in electrical engineering along with minimum 3 years of industrial experience in the operation/maintenance of electrical furnaces.**
- 39. Required number of highly skilled employees with ITI in electrical and minimum 3 years of working experience in the operation of electrical furnaces as specified in the scope of work has to be employed for carrying out the work.**
- 40. The contractor has to submit the experience certificate of supervisor and two workmen having experience in the operation/maintenance of electrical furnaces for issue of NIT.**
- 41. The contractor has to ensure that minimum four labours are employed on each day for smooth functioning of regular production activities.**

Safety clauses

1. The contractor will be completely responsible for the job. The contractor shall deploy sufficient man power required for completion of the work. The contractor shall supervise the job either personally or entrust/authorize a competent person who shall fully be responsible for carrying out the jobs safely. Supervisor shall be authorised and authorisation shall be furnished in writing. **Qualified supervisor with minimum experience of three years shall be employed to supervise the work in 1st shift as well as 2nd shift without fail.** They have to ensure safe working practices (all safety precautions are followed) and use of necessary safety appliances as directed by NFC. The contractor shall deploy only those qualified man power who have prior experience in the works as brought out in the scope of work.
2. Skilled manpower should be atleast ITI passed or having minimum three years of experience in the relevant field, semiskilled should be atleast Class X failed and unskilled should be capable of understanding the instructions.
3. Persons engaged should have valid medical fitness certificate suitable for the work, issued by atleast MBBS doctor.
4. No woman will be allowed to work on or near machinery in motion.
5. Supervisors employed shall be in position to understand all the safety instructions issued by SED from time to time and implement the same. They shall maintain log books of work carried out & attendance on daily basis and shall make sure all the legal and safety requirements are adhered as issued by NFC.
6. The workers engaged by the contractor should wear uniform which is distinct from NFC uniform.
7. The contractor has to ensure safe working practices and follow all safety rules and regulations stipulated by SED, NFC from time to time.
8. The contractor has to provide all PPEs i.e. gloves, masks, ear plugs, safety shoes, helmets, safety belts, goggles, face shield, aprons etc. to all the workers as required for the work and has to insure that workers are equipped with the same while working in plant.
9. **For all works above 3.0m height, safety belt with full body harness only should be used. The length of lanyard of safety belt after anchoring to rigid structure or lifeline, shall not be more than 1.8m. Safe condition of safety belt and other PPE shall be examined by contractor before use.**
10. All tools/machines/site conditions should be examined for safe work by the contractor, before start of work.
11. The contractor has to ensure integrity of all the safety appliances from time to time and has to make sure that they are in proper condition.
12. The contractor (or competent person authorized by contractor) will have to supervise the jobs, explained in the annexure and so it will be his responsibility to ensure safety of persons working on the equipment as well as safety of the equipment also.
13. Medical insurance shall be insured for all the persons on the job including supervisors and workers.
14. **Failing to follow the safety requirements stipulated by NFC shall result in stoppage of work and closure of contract.**

SM (EPP, BPS, Bar Op. & M/c Shop)
For & On behalf of the President of India

Scope of Work For Ref No. NFC/EPP (92)/Cont/2017/02

	Activity	Work description	Quantity (Nos)
01	Reconditioning of Induction coils	Vertical & Horizontal Induction coils (Brazing, insulation and varnish)	10
02	Replacement of skid plates and cementing	Vertical Furnace	30
03	Ingot heating	Zirconium alloy ingots have to be pre heated in vertical Induction coils and have to be transferred to WBF for soaking for a specified time before discharging for rod/slab extrusion	1000
04	Beta Quenching	The zirconium alloy billets have to be preheated in Horizontal Induction coils and have to soak in Holding chamber for 20 to 30 minutes before quenching them in water.	6000
05	Billet Heating	The copper jacketed billets have to be loaded into loading conveyor with EOT Crane, and the billets have to be loaded into WBF one by one for heating and soaking for a specified time before discharging them for tube/rod extrusion	6000
06	Die and Dummyblock loading	Loading of Die & Dummy block into the extrusion press before every extrusion	9000
07	ID & OD lubrication in extrusion	ID and OD lubrication of billet for every extrusion. This includes graphite lubrication in extrusion container, mandrel lubrication, lubrication on extrusion die and ID glassing of SS billets	9000