

DRAFT

Govt. of India / भारत सरकार
Dept. of Atomic Energy / परमाणु उर्जा विभाग
NUCLEAR FUEL COMPLEX
नाभिकीय ईंधन सम्मिश्र
ECIL Post / इसीआईएल डाक,
Hyderabad / हैदराबाद - 500 062
A.P. / आंध्र प्रदेश, India / भारत



An ISO 9001, 14001 & OHSAS 18001 organisation
आईएसओ 9001, 14001 एवं ओहसास 18001 संगटन

Manager / प्रबंधक
Maintenance (MELTING)
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MAINTENANCE MELTING

NOTICE INVITING TENDER

Tender Notice No: NFC/MMLTG/M&E-W/2017/03

Date : 17/10/17

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 : **Mechanical and Electrical preventive maintenance and repairs works at Meltshop (OMS, NMS & ZRS)**

2) Scope: As per Tender Annexure.

3) Duration of Contract: 24 months from the date of issue of WO.

4) Estimated Cost: Rs. 57,40,000/- (Rupees Fifty Seven Lakh & Forty Thousand only)

5) Earnest Money Deposit: Rs. 1,14,800/- (Rupees One Lakh Forteen Thousand and eight hundred only)

EMD in the form of Fixed Deposit Receipt / crossed demand draft drawn in favor 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 backside of DD submitted towards EMD and the DD to be submitted shall be valid for 3 months.

6) Issue of tender document: 24/10/2017 to 07/11/2017 up to 12:00 hrs.

7) Last date for submission of tender : On 14/11/2017 upto 14:00 hrs.

8) Date of opening the sealed tenders : on 14/11/2017 at 14:30 hrs.

9) Cost of tender document : Rs 1000/- (Demand draft or banker's cheque payable at Hyderabad drawn in favor of "Pay & Accounts Officer, NFC").

10) Quotations are to be submitted strictly as per 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.

11) Your offers shall be deposited in tender box kept for the purpose at Training Hall, Ground floor, Aadhar Building, Nuclear Fuel Complex, ECIL Post, Hyderabad – 500062, on last date of submission 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.

Manager Maint.,Melting

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/MMLTG/M&E-W/2017/03

1. The works stipulated in the NIT are to be carried out at Old Meltshop (OMS), New Meltshop(NMS) and Zircaloy Reprocessing Section(ZRS). The machines will be made available depending upon production schedules. In case, if machines could not be made available during contract period due to exigency of production, the contractor has to complete the works after machines are free from any production exigencies.
2. The contractor will be completely responsible for the job. The contractor shall deploy sufficient man power required for completion of the work. As the work is of continuous in nature, minimum manpower is to be deployed on all working days of NFC. Whenever quantum of work is more or work is to be completed on priority, additional manpower is to be deputed. The contractor shall entrust two competent person as supervisor who shall fully be responsible for carrying out the jobs safely. The contractor shall deploy only those qualified man power that have prior experience in the works as brought out in the scope of work as per tender Annexure.
3. Only Highly skilled and Skilled manpower is to be engaged for all the jobs. NFC reserves right to assess skills of Fitters/Welders/ Electricians before placement of order or as and when deem fit. The Contractor must note that during currency of contract, if NFC finds that skills of the Fitters/Welders/Electricians are not sufficient to execute the job properly or unruly behavior of any of the contract labor, the contractor has to replace any or all contract labors immediately. In such cases, decision of NFC shall be final and will be binding on the Contractor,
4. No child labour should be engaged (unskilled & semiskilled - 50 yrs, skilled - 60 years, highly skilled - 65 years),
5. Normally, the work is to be carried out in the General shift of NFC. However, during the exigency of the work, the work shall be carried out in First and Second shifts of NFC and in some cases on holidays,
6. The workers engaged by the contractor should wear uniform which is distinct from NFC uniform. Safety shoes and other PPEs 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.
7. 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.
8. Wages are to be paid as per Minimum Wages Act, notified by RLC (C) from time to time.
9. 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.
10. Certificate from Officer-in-charge at NFC regarding payment of minimum wages to the contract labour is to be enclosed along with the claim.
11. The contractor shall produce necessary police verification certificates from the concerned/local police station for the manpower being engaged for the purpose.
12. Since the scope of work also includes works at height and in confined spaces, contract labors have to undergo medical check-up at NFC. If any person is found unfit as per

NFC, the contractor has to arrange suitable replacement of the person. Such examinations are carried out once in three months.

13. The contractor shall ensure that all his labour who are engaged in work are covered under ESI and EPF.
14. The contractor has to depute two dedicated Safety Supervisor(one for mechanical team & one for electrical team) apart from the manpower required for carrying out works. For mechanical jobs, the supervisor shall be a qualified with Diploma/Degree in Mechanical Engineering or Degree in Science or ITI (Fitter) with relevant experience of supervision of similar jobs. For electrical jobs, the supervisor shall be a qualified with Diploma/Degree in Electrical Engineering or ITI (Electrical) with relevant experience of supervision of similar jobs. The supervisors should have sufficient knowledge on computers and MS office.
15. The contractor shall also give an undertaking that he shall bear all the expenses towards medical treatment in case of any accident to his personnel while working or any expenditure in unfortunate event of death. NFC or any of its official shall not be liable to pay any compensation in any form,
16. In the interest of uninterrupted execution of work, it is advisable to the contractor to keep ready additional equivalent skilled manpower so as to take care of absenteeism, exigencies etc.,
17. The quoted value shall be **inclusive of GST @ 18%/ as applicable & exclusive of ESI, EPF and inclusive of any other mandatory duties and levies of the Government.** The bills will be released against submission of documentary evidence towards payment of ESI & EPF to the concerned authorities.
18. 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 alongwith tender document.
19. Performance Guarantee @5% of Work Order value shall be submitted within 15 days from the date of issue of Work Order, in the form of Fixed Deposit Receipt or Demand Draft or Bank Guarantee. (Extension of time for submission of Performance guarantee at the request of contractor shall be charged @0.1% per day of performance guarantee amount.
20. In case of non-submission of Performance Guarantee within prescribed/extended time, the Earnest Money Deposit submitted will be forfeited.
21. 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.

If the contractor abandons/breaches the contract after commencement of work then the security deposit already recovered and PG submitted for the work shall be forfeited.
22. Income tax @ 2% & 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 or incorrect submission of PAN attracts IT @ 20% on gross amount of bill
23. Payment for the work done by the contractor shall be made quarterly based on the work done by contractor which was accepted and measured by the Officer in charge, duly approved by the Competent authority.
24. Offers received will be evaluated based on the total cost quoted exclusive of EPF, ESI and inclusive of GST.

25. The offer should be kept valid for a period of three months from the date of opening of tender.
26. Incomplete and conditional tenders shall be rejected. However unconditional rebates are acceptable.
27. Contractors shall quote the rates both in words and figures.
28. 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.
29. 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.
30. 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.
31. Contractor shall sign each page of the tender document along with the Schedule of quantities & Rates.
32. 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.
33. 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,
34. NFC reserves right to accept or reject any quotation, either completely or partly, without giving any reasons,
35. 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. In such cases, the contractor will not demand any compensation,
36. Before quoting, the contractor may visit NFC for assessment of work with prior permission of Manager Maint.,Melting. He may be contacted at 27184936.
37. 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,
38. 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,
39. AERB Safety Guidelines on "Control of Works" (AERB/NRF/SG/15-1, Rev-1) are part of the tender & Work order document. It is available at <http://www.aerb.gov.in/AERBPortal/pages/English/t/Publications/CODESGUIDES/NRF-SG-IS-1.pdf>,
40. In view of the intricacy, safety demanding and specific nature of jobs, it is imperative that contractor and his persons must possess sound knowledge of the job and safety demands. In view of this, Tender document will only be issued to contractors who qualify the following Eligibility criteria.

Sr. No	Eligibility Criteria for issue of Tender
1	<p>The contractor shall confirm to all of the following conditions:-</p> <ul style="list-style-type: none"> • Experience of working on machines such as hydraulic presses, vacuum furnaces & systems, EOT cranes & hoists, pneumatic systems. & or similar to machines listed under heading "Note" of Annexure-II format of the tender. Contractors shall have to fulfill the criteria of satisfactory execution of works as given below in the last 7 years ending on the last day of month previous to the one in which the tenders are invited. a. 3 similar works, each of value not less than 40% of estimated cost put to tender per year. b. 2 similar works, each of value not less than 60% of estimated cost put to tender per year. c. 1 similar work of value not less than 80% of estimated cost put to tender per year. • Experience of working in highly pyrophoric powder areas. • Experience of working in Government organizations & or PSU's in the last 3 years.
2	<p>Contractors shall have good safety record. For contractors who have not executed any job inside NFC, certificate of good safety and performance record (without accident) from relevant organization shall be furnished along with offer.</p>

Following documents shall be furnished by the contractor while coming to purchase the tender document, failing which tender document will not be issued:

- GST registration certificate
- Request letter for issue of tender document on the letterhead of the firm along with details of payment mode for tender document fee,
- Rs.1000/- Demand draft or banker's cheque payable at Hyderabad drawn in favor of "Pay & Accounts Officer, NFC,
- Relevant experience documents/WO copies (earlier executed) or certificates as per eligibility criteria. Part experience and quotation will not be considered.

Manager, Maint., Melting
For & On behalf of The President of India

SCHEDULE

Ref: NFC/MMLTG/M&E-W/2017/03

Dt: 17/10/17

S.No	Description of Material	Qty per year (A)	Unit
A. Mechanical - Preventive maintenance & repair works			
1	Oil sealed rotary piston vacuum pumps (up to 150Cu.mtr/hr)	2	Nos
2	Oil sealed rotary piston vacuum pumps (up to 288Cu.mtr/hr)	2	Nos
3	Oil sealed rotary piston vacuum pumps (up to 420Cu.mtr/hr & above)	3	Nos
4	Oil sealed rotary vane vac. Pumps	2	Nos
5	Roots vacuum pumps (upto 2000 Cu.mtr/hr)	1	Nos
6	Roots vacuum pumps (2000 - 6000 Cu.mtr/hr)	1	Nos
7	Roots vacuum pumps (above 6000 Cu.mtr/hr)	1	Nos
8	Oil diffusion pumps, Oil booster pumps, Oil booster ejector pumps & vapour booster pumps	4	Nos
9	Vac.lines including flanges, sol.valves, gauges, gauge ports, gaskets, SS bellows, Polymer bellows etc.,	12	Nos
10	Pneumatic circuits comprising FRL, tubings, fittings, cylinders/actuators, sol.valves etc.,	18	Nos
11	Electrode / ingot trolleys of EBW units	5	Nos
12	Alignment activities involving vacuum chambers, rails, LT & CT wheels of EOT cranes, meltstaiions, load cells, linear actuators, etc.,	6	Nos
13	Hydraulic systems coimprising pumps, rigid & flexible lines, fittings, valves, seals, cylinders, oil filtration units & its accessories etc.,	12	Nos
14	Mech.subassemblies such as fitments for vac.pumps, gear boxes, geared motors, couplings, brake units, exhaust blowers, blade assemblies of band saw, cooling water lines, stinger rods, linear motion assy., seal housings, water pumps, foot valves, water tanks, water sumps, plumbing, wire ropes, lifting tackles, support structures etc.,	30	Nos
15	Handling of weights, wire ropes, lifting tackles for load testing of hoists, EOT cranes etc.,	8	Nos
16	Fabrication of tanks, pipe lines, flanges, shafts, support structures, rings, pulley guards, base plates etc.,	10	Nos
17	Mounting adjustments on limit switches, motors, water pumps etc.,	6	Nos
B. Electrical - Preventive maintenance & repair works			
1	Tube light & fan set repair, its testing & Installation of new tube sets & fan	48	Nos
2	Cable laying		
2.a	Armoured cable (up to 25 Sq.mm)	300	Mtr
2.b	Armoured cable (35 to 95 Sq.mm)	100	Mtr
2.c	Armoured cable (150 to 300 Sq.mm)	300	Mtr
2.d	Flexible cable	200	Mtr
3	HPMV lamps set repair, its testing .	5	Nos
4	Cable laying for bay lights at height	200	Mtr
5	DC motors repair: 1.5kW - 3kW	2	Nos
6	Installation / replacement of High bay lights	31	Nos
7	AC motors (up to 22kW)	15	Nos

8	Water cooled cables, hoses & its related fittings etc.,	5	nos
9	Armoured cable termination (up to 25 Sq.mm)	40	nos
10	Armoured cable termination (35 to 95 Sq.mm)	20	nos
11	Armoured cable termination (150 to 300 Sq.mm)	20	nos
12	Laying of earth strips	200	Mtr
13	Switch board wiring & testing	30	Nos
14	PPM of PDBs, MCCs, Control panels & light DBs	50	Nos
15	Maintenance of transformer & or dimmer up to 31 KVA	5	Nos
16	Maintenance of limit switches	20	Nos
17	Bus bars Fabrication	50	Mtr
18	PPM of Melting rectifiers	25	Nos
19	PPM of EBW power supply	15	Nos
20	Electrical circuits/ panels at heights	40	Nos