

Government of India
Department of Atomic Energy
Nuclear Fuel Complex
Zircaloy Fabrication Plant
Fuel Tubes

NOTICE INVITING TENDER

Tender No. NFC/ZFP(FT)/53/Cont./001/2018-19

Dated 27/03/2018

To,
M/s.

Dear Sir,

On behalf of the President of India, sealed item rated tenders are invited by AGM, FT-ZFP, NZFP & TR, Nuclear Fuel Complex, Department of Atomic Energy, ECIL Post, Hyderabad - 500062 from competent and well experienced contractors for the following work on works contract basis.

- 1) Name of Work : End Cutting, End Facing, final length Cutting and Deburring of Zircaloy fuel tubes at FT (ZFP/NZFP).
 - 2) Scope : Schedule and Scope of work as per attached annexure-I.
 - 3) Duration of Contract : 12 Months
 - 4) Estimated Cost : Rs 31,00,000/- (Rupees Thirty One Lakh Only)
 - 5) Earnest Money Deposit : Rs. 62,000/- (Rupees Sixty Two Thousand Only)
- 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 & Account Number of contractor may be written at the backside of DD submitted towards EMD and the DD submitted should be valid for 3 Months.
- 6) Issue of tender document : From 26.04.2018 to 03.05.2018 during office hours.
 - 7) Last date for submission of tender : 08.05.2018 up to 14:00 Hrs.
 - 8) Date of opening the sealed tenders: 08.05.2018 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.

Your offers shall be dropped in tender box kept in Stores- ZFP, Nuclear Fuel Complex, ECIL Post, Hyderabad – 500062 on or before 08.05.2018 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.

AGM (FT-ZFP, NZFP & TR)
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 honored 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/ZFP(FT)/53/Cont./001/2018-19

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 authorize a competent person who as supervisor shall fully be responsible for carrying out the jobs safely. Authorization shall be furnished in writing. The contractor shall deploy only those qualified manpower who have prior experience in the works as brought out in the scope of work.
2. No child labour should be engaged.
3. Contract labour are to be engaged in 1st/ General/2nd shift, including holidays as per requirement. The contractor has to engage **ITI certified skilled turners** per day (in 1st/ General & 2nd shift) on all working days during the contract period.
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 **exclusive of ESI, EPF and inclusive of GST and 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.
12. The contractor shall provide the registration details Income Tax, Sale Tax, ESI, EPF, Service Tax etc. while collecting tender document and copy of the same shall be submitted along with tender document.
13. Performance Guarantee @5% of Work Order value shall be submitted within 7 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 along with a claim period of six 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.
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% and 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.

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.
18. Offers received will be evaluated based on the total cost quoted exclusive of EPF, ESI and inclusive of GST 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 DCE/AGM/ Sr. Manager. He may be contacted at phone no. 040 2718 4993, 2718 4060, 2718 3062, 2718 3447.
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 period of contract is for approximately one year from the date of commencement of work, however the quoted rate should be valid up to 24 months from the date of issue of work order.
34. Prices shall be offered item wise. Quotations offered as Lumpsum will not be considered.
35. Though the tender is for approximately one year it may be extended by another year at the discretion of the competent authority subject to the satisfaction and the other condition at the request of the successful tenderer.
36. For the material movement, the trolleys available in the plant are to be utilized. Forklift/ Jumbo along with the driver will be provided for the movement of material by the NFC.
37. The quoted rates shall not be less than the minimum wage fixed/ notified by the State Government - where the service is performed and shall include all statutory obligations. However bids without any element of cost over and above such minimum wage (or below it) shall be treated as 'Nil' price quotation and would be rejected. The contractor shall be liable for all kinds of due payable in respect of all personnel provided under the contract

and NFC shall not be liable for any dues for availing the services of the personnel. The Contractor should ensure that persons to be deployed are not alcoholic, drug addict and not indulge in any activity prejudicial to the interest of the NFC. The Contractor shall ensure to get the Police verification for all the manpower deployed by them and the contractor should ensure that the manpower deputed should bear good moral character.

38. Eligibility Criteria : (i) The contractor should have prior experience in execution of similar works (lathe operations like turning, facing, parting etc.) for a period of at least two years. Details and documental evidence (copy of work order and work completion certificate if any) of such works shall be submitted while collecting the tender documents and also along with the offer. The tender document will be issued to contractors only against submission of details of such works.

(ii) The contractor shall deploy only ITI certified skilled turners who have carried out similar works (lathe operations like turning, parting, facing etc.). Documental evidence of ITI certification of the operators shall be submitted before execution of the work. To that affect, the contractor shall give undertaking for the same while collecting the tender document without which the tender document will not be issued.

(iii) The contractor shall provide the valid contractor's registration certificate, latest Income Tax returns, valid PAN details, ESI, EPF, GST etc. while collecting tender document and copies of the same shall be submitted along with offer. The tender document will be issued to contractors only against submission of these documents.

(iv) Contractor should have executed at-least one similar work mounting to minimum 80% of estimated value or at-least two similar works of minimum 60% each of estimated value or three similar works each of value not less than 40% of estimated value in the period of last seven financial years. Work order copies of same work must be submitted while applying for the tender.

(Note : Tender document will be issued to the contractors who meet the eligibility criteria and submit the required documents).

39. Penalty clause for non compliance/ deviation of the conditions of the contract :

(i) Attendance compliance: In order to engage contract workers in First, Second shifts, on all holidays(requirement will be informed on the previous day) and as a substitute for operators who are on leave and weekly off, the contactor need to have stand by operators with requisite approvals / permissions.

Non availability of the operators/ Supervisor resulting in loss of production will lead to penalty .

a. Worker : Total man shifts/ month = 253 (23 days/month*11 workmen /day).

b. Supervisor: Total man shifts/ month = 46 (23 days/month*2 /day).

A minimum attendance of 90% of man shifts is essential. The attendance will be monitored through labour entry permit system of NFC .

Attendance / month- Non compliance	Penalty as percentage of Monthly bill	
	Worker	Supervisor
90% and above	Nil	Nil
80% - 89 %	1.0 %	2%
70% - 79 %	2.0%	3.0%
50% - 69%	5.0%	10.0%
< 50%	Short closing of order	

(ii) Safety compliance :To be followed by all contract workmen and Supervisor

a. All contract workers should always wear PPE's like safety shoes, ear plug and nose mask etc.

b. Attend safety Training

c. Always wear Uniform

d. Should restrict them selves to concerned area only.

e. Should not operate EOT cranes.

f. Follow work - specific do's and don'ts given by EIC

Any deviation of the above by any of the contact work men /Supervisor will attract the following penalty

Safety -Non compliance	Penalty
Once/month	Oral warning
Twice /month	0.50% of the monthly bill
2-5 /month	2.0 % of the monthly bill
> 5/month	10.0% of the monthly bill
> 8/month	Short closing of order

(iii) Quality compliance:

(A) End cutting, End facing:

a. Check both the ends of tube for burr free end and proper beveling.

b. Clearing of scrap and storing of same in proper container provided twice in a shift before start of work and after completion of work.

(B) Final length cutting and deburring:

a. Visual Checking of tube for scratch and oil/ grease marks.

b. Check both end of tubes free from burrs and specified length for each lot and box.

c. Clearing of scrap and storing of same in proper container provided twice in a shift before start of work and after completion of work.

Any deviation of the above by any of the contact work men /Supervisor will attract the following penalty

Quality -Non compliance	Penalty
Once/month	Oral warning
Twice /month	0.25% of the monthly bill
>Twice /month	1.0% of the monthly bill
>5 /month	10.0% of the monthly bill
>10/month	Short closing of order

(iv) Penalty for attrition of the labour after the training period during the period of contract

Non compliance	Penalty
Within two months after training	NIL
After 4 months of start of contract (Including training period)	1.0 % of the monthly bill/person
After 8 months of start of contract (Including training period)	2.0 % of the monthly bill/person

Note: Training period for this contract is 2 months.

Schedule and Scope of work

Tender No.: Ref: NFC/ZFP(FT)/53/Cont./001/2018-19

Sub: End Cutting, End Facing, final length Cutting and Deburring of Zircaloy fuel tubes at FT (ZFP/NZFP).- reg.

Sl No.	Description of Item (A)	Quantity (B)
1	Both end facing, ID & OD beveling, scrap clearing and delivery to cleaning section including supervision. <u>I Pass Tubes</u> : 63 mm dia. X 11 mm WT 50 mm dia. X 8 mm WT 45 mm dia. X 7 mm WT 41 mm dia. X 6 mm WT	10,200 Tubes
2	Both ends cutting, end facing, Deburring, scrap clearing and delivery to cleaning Section including supervision. <u>II Pass Tubes</u> : 31.75 mm dia. X 4 mm WT 28 mm dia. X 3 mm WT 26 mm dia. X 2.2 mm WT 21 mm X 2.2 mm WT	45,000 Tubes
3	Both ends cutting, end facing, Deburring, scrap clearing and delivery to cleaning Section including supervision. <u>III Pass Tubes:</u> 17 mm dia. X 1 mm WT	80,000 Tubes
4	Both ends cutting, end facing, Deburring, scrap clearing and delivery to cleaning Section including supervision. <u>Final Tubes</u> : 14.6 mm dia. X 0.9 mm WT 14.35 mm dia. X 0.9 mm WT 15.2 mm dia. X 0.4 mm WT 13.08 mm dia X 0.4 mm WT	5,50,000 Tubes
5	Cutting/De-burring Operation of UT Cleared portion of Zircaloy Fuel Tubes of size 15.2mm X 0.4mm and 13.08mm X 0.4mm, into Pieces of Size 494mm after cutting and 489.5mm after de-burring including supervision.	15,00,000 Nos. QC accepted Tubes

1. The quantum of work (in column B) shall be completed within a period of approximately one year .
2. The machine shall be handed over in clean and healthy condition after completion of the work every shift.
3. Care shall be taken to ensure no damage / scratches are inflicted on the tube during End cutting, facing and cutting operation.
4. Shifting of scrap to water filled tank shall be carried out daily.
5. All safety precautions as prescribed have to be followed while carrying out the job. Shoes and uniform (distinct from NFC) to be provided by contractor.
6. Contractor must go through all the terms in NIT and strictly adhere to it.
7. Contract shall be awarded to the cumulative lowest bidder.

8. The work shall be carried out by ITI skilled turners in 1st/ General/2nd Shift.
9. Highly skilled diploma / degree holders need to be employed in first and second shifts daily for continuous supervision of the work, ensuring safety, quality of the tubes and quantum of work.
10. In order to ensure safe working practices and produce quality product, the maximum work out put of a skilled operator is:
 - End facing I pass tubes: 50 tubes/ per person/ per shift
 - End cutting & facing II pass tubes: 150 tubes/ per person/ per shift
 - End cutting & facing III pass tubes: 250 tubes / per person/ per shift
 - End cutting & facing final tubes: 450 tubes / per person/ per shift
 - Cutting/De-burring: 1200 tubes / per person/ per shift.

The bidders may note this Standard Operating Rates (SOR) and ensure that the labor employed are not overloaded beyond this work output.

11. The contractor before bidding may visit the site (to have proper understanding of the work). The contractor shall contact Shri Pranay Gupta , SO/D, FT (in advance before coming) at Ph: 040- 2718 3062 / 3447 / 4060 or mail at pranay@nfc.gov.in.
12. A rejection allowance of 0.2% (of total quantity) is allowed due to dents / scratches generated during cutting and facing operation. If the rejection goes beyond this, a penalty of Rs. 5/- per tube will be levied and deducted from the contactor bill.
13. Minimum wages as on date for laborer is Rs. 653/- per day for skilled (ITI) & Rs. 710/- per day for highly skilled (supervisor).
14. At least 11 skilled (11 Turners) and 2 highly skilled persons shall be available on the site to carry out the work on regular basis for the period of contract. Failing which penalties as indicated at clause no. 39 under "Terms and Conditions of NIT" will be applicable.
15. Wages are to be paid & revised time to time as per Minimum Wages Act, notified by RLC (C) from time to time.

G. N. Ganesha
AGM (FT-ZFP, NZFP & TR)
For & On Behalf of President of India

From,

To:

AGM, FT-ZFP, NZFP & TR
Nuclear Fuel Complex
ECIL ((PO)
Hyderabad-500062

QUOTATION

Sub: End Cutting, End Facing, final length Cutting and Deburring of Zircaloy fuel tubes at FT (ZFP/NZFP).- reg
Ref: NFC/ZFP(FT)/53/Cont./001/2018-19

Dear Sir,

In response to your Notice Inviting Tenders, we hereby submit our quotation for carrying out the following works.

SI No.	Description of Item	Unit	Quantity	Unit Rate	Total
1	Both end facing, ID & OD beveling, scrap clearing and delivery to cleaning section including supervision. <u>I Pass Tubes :</u> 63 mm dia. X 11 mm WT 50 mm dia. X 8 mm WT 45 mm dia. X 7 mm WT 41 mm dia. X 6 mm WT	No of tubes	10,200 Tubes (approx.)		
2	Both ends cutting, end facing, Deburring, scrap clearing and delivery to cleaning Section including supervision. <u>II Pass Tubes :</u> 31.75 mm dia. X 4 mm WT 28 mm dia. X 3 mm WT 26 mm dia. X 2.2 mm WT 21 mm X 2.2 mm WT	No of tubes	45,000 Tubes (approx.)		
3	Both ends cutting, end facing, Deburring, scrap clearing and delivery to cleaning Section including supervision. <u>III Pass Tubes:</u> 17 mm dia. X 1 mm WT	No of tubes	80,000 Tubes (approx.)		
4	Both ends cutting, end facing, Deburring, scrap clearing and delivery to cleaning Section including supervision. <u>Final Tubes :</u> 14.6 mm dia. X 0.9 mm WT 14.35 mm dia. X 0.9 mm WT 15.2 mm dia. X 0.4 mm WT 13.08 mm dia X 0.4 mm WT	No of tubes	5,50,000 Tubes (approx.)		
5	Cutting/De-burring Operation of UT Cleared portion of Zircaloy Fuel Tubes of size 15.2mm X 0.4mm and 13.08mm X 0.4mm, into Pieces of Size 494mm after cutting and 489.5mm after de-burring including supervision.	No of tubes	15,00,000 Nos. QC accepted Tubes (approx.)		
	Grand total				

(Rupees_____only).

Note: The above quoted value shall be exclusive of ESI, EPF and inclusive of GST.

Thanking you,

Name:_____

Aadhar Card No. _____

PAN No. _____

Bank Account No. _____

IFSC Code: _____

Name of the bank: _____

Name of branch: _____

GST Registration No. _____

Yours faithfully,

CONTRACTOR
(Sign with Seal)

CHECK LIST FOR CONTRACTOR

Sl.No	General Details						
1	Name of the organization						
2	Address						
3	Telephone No's						
4	Fax No						
5	E-Mail address						
6	Annual Turn over of previous financial year						
7	SSI/Factory/Contractor's Registration No						
8	Brief description of experience						
9	AADHAAR No						
10	GST Registration No						
11	PAN No						
12	ESI Registration No						
13	EPF Registration No						
14	Bank Account No						
15	Name of the Bank						
16	IFSC Code						
17	No. of employees	Highly Skilled		Skilled		Un-skilled	
18	Previous Work orders executed at NFC (Reference No's)						

19	Brief description of the work: End Cutting, End Facing, final length Cutting and Deburring of Zircaloy fuel tubes at FT (ZFP/NZFP).						
20	Tender No.: _NFC/ZFP(FT)/53/Cont./001/2018-19						
21	Total amount quoted						
22	No. of labours proposed to be employed in this work	Highly Skilled		Skilled		Un-skilled	
23	Qualification and Experience of Supervisor	Supervisors:					
24	Details of machinery/tools proposed to be deployed for the work						
25	GST rate considered for the work						
26	Any other information						

Verified the above details

E-I-C

Signature of contractor