

Government of India  
Department of Atomic Energy  
Nuclear Fuel Complex  
EPP (M)

NOTICE INVITING TENDER

Tender No. NFC/EPP(M)/73/2018/02

Dt: 07/05/2018

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: Work contract for assistance in preventive & breakdown maintenance and other minor repair works of various equipments at EPP.

2) Scope: As per Annexure I & II

3) Duration of Contract: 12 months

4) Estimated Cost: Rs. 32,80,000/- (Rupees Thirty Two Lakh Eighty Thousand only)

5) Earnest Money Deposit : Rs. 65,600/- (Rupees Sixty Five Thousand Six Hundred 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 & A/c No of contractor may be written at the backside of DD submitted towards EMD and the DD submitted should be valid for 3 months from the date of release of NIT.

6) Issue of tender document :From 08/05/2018 to 18/05/2018

7) Last date for submission of tender : 24/05/2018 up to 14.00 hours

8) Date of opening the sealed tenders : 24/05/2018 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").

10) Tenders will be issued to eligible contractors provided they produce definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude in the last seven years ending last day of the month previous to the one in which the tenders are invited as specified bellow:

- i. One similar work of value not less than 80% of estimated cost. or
- ii. Two similar works each of value not less than 60% of estimated cost. or
- iii. Three similar works each of value not less than 40% of estimated cost.

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 at EPP Maintenance Office, Nuclear Fuel Complex, ECIL Post, Hyderabad – 500062, on or before 24/05/2018 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.

Tender document issued to the contractor is non-transferable.

DGM M-(ZF)

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 & Condition of Contracts:**

1. The contractor shall carry out the works as detailed in annexure II of this NIT.
2. The details of the works listed at annexure II is only indicative, but not exhaustive. The contractor shall hence agree to carry out any other minor works which is required to fulfil the objective of the work order, without any additional expense.
3. 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 entrust/authorize a competent person to supervise the job, who shall fully be responsible for carrying out the jobs safely. Supervisor shall be authorised and authorisation shall be furnished in writing. **Qualified supervisors with minimum qualification of Degree/Diploma with minimum 2 years of experience shall be employed to supervise the work in 1st shift as well as 2nd shift without fail.** The contractor shall deploy only those qualified man power who have prior experience in the works as brought out in the scope of work.
4. No child labour should be engaged.
5. Contract labour are to be engaged in Ist Shift & in IInd Shift on working days and holidays.
6. 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.
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. Besides the contractor has to ensure payment of minimum wages to the labourer engaged by him
8. Wages are to be paid as per Minimum Wages Act, notified by RLC (C)/ by state government of Telangana , whichever is higher 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 local police station for the manpower being engaged for the purpose.
12. 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.
13. 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.
14. 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.
15. Performance Guarantee @5% of Work Order value shall be submitted within 15 days from the date of issue of letter of acceptance or before the commencement of work whichever is earlier in the form of Fixed Deposit Receipt or Demand Draft or Bank Guarantee (valid for contract with an additional claim

period of six months).(Extension of time for submission of performance guarantee at the request of contractor shall be charged @.1% per day of performance guarantee amount).

16. In case of non-submission of Performance Guarantee within prescribed/extended time, the Earnest Money Deposit submitted will be forfeited.
17. 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.
18. Income tax & GST as applicable at source shall be deducted from the payments made. Contractor shall furnish his PAN No. and bank details along with a photo copy of the same duly countersigned by him. Non-submission of PAN or incorrect PAN No. attract income tax @ 20% on gross bill.
19. 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 (C.A.).
20. **Payment for the work done shall be made on bi-monthly basis subject to completion of work.**
21. Offers received will be evaluated based on the total cost quoted exclusive of EPF, ESI and inclusive of GST.
22. The offer should be kept valid for a period of three months from the date of opening of tender.
23. Incomplete and conditional tenders shall be rejected. However unconditional rebates are acceptable.
24. Contractors shall quote the rates both in words and figures.
25. 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.
26. 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.
27. 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.
28. Contractor shall sign each page of the tender document along with the Schedule of quantities & Rates.
29. 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 Performance Guarantee absolutely.
30. 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. The contract labour shall be / below 60 years for Skilled, shall be / below 50 years for Un-Skilled shall be / below 65 years for Highly Skilled categories.
31. NFC reserves right to accept or reject any quotation, either completely or partly, without giving any reasons.
32. 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.
33. Before quoting, the contractor may visit NFC for assessment of work with prior permission of DGM, M(ZF). He may be contacted at 4184/3032.

34. 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.
35. 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 dues 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.
36. The contractor shall ensure the committed no of manpower on daily basis, failing this, work will be affected and deduction in the payment will be made accordingly.
37. All safety criteria as stipulated in NIT (i.e. 'The contractor has to ensure safe working practices and follow all safety rules and regulations stipulated by SED, NFC from time to time') shall be strictly followed, failing which applicable deductions will be made in payments. If safety deviations are more than 3 occasions, the contract is liable to be short closed.
38. If the quality of the work/ workmanship is not satisfactory the contract will be cancelled and suitable penalty shall be levied on the contractor.

#### **Safety clauses:**

1. Skilled manpower should be at least ITI passed, semiskilled should be at least Class X failed and unskilled should be capable of understanding the instructions.
2. Persons engaged should have valid medical fitness certificate suitable for the work, issued by atleast MBBS doctor.
3. No woman will be allowed to work on or near machinery in motion.
4. 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.
5. 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 ensure that workers are equipped with the same while working in plant.
6. **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.**
7. All tools/machines/site conditions should be examined for safe work by the contractor, before start of work.
8. 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.
9. 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.
10. **Job Hazard Analysis of the work is enclosed here with. Bidders shall read the same and counter sign it. The offer will be rejected if same is not found along with the offer. Job Hazard analysis is however, only to give idea about hazard associated with the work to help contractor in arranging for necessary PPE's and Safety Appliances and not exhaustive.**

11. Medical insurance shall be insured for all the persons on the job including supervisors and workers.
12. **Failing to follow the safety requirements stipulated by NFC shall result in stoppage of work and closure of contract.**

DGM M-(ZF)  
For & On behalf of the President of India

**Details of work to be carried out:**

**1. Replacement of header block, valves & Al rings of 3 plunger reciprocating pumps:**

1. Open the header block valve of pump
2. Take the worn valve and Al ring set out by opening the flange
3. Replace the valve and Al ring set with new ones
4. If the header block is damaged, repair by welding and buffing
5. Replace the header block if the repair is not possible
6. Assemble the header block
7. Take the trial run of pump and check for leakages through header block

Total no. of times header block, valves & Al rings to be replaced: 12

**2. Replacement of plunger seals of 3 plunger reciprocating pumps:**

1. Check for any leakage through the plunger seals
2. Take the worn seal set out by opening the flange
3. Replace the plunger seals with new set of seals
4. Take the trial run of pump and check for leakages through plunger and header blocks

Total no. of times plunger seals to be replaced: 75

**3. Preventive maintenance of 5 stage compressors:**

1. Check the pistons and piston rings of all stages
2. Check the seals of all suction and delivery valves of cylinders
3. Check the safety valves and its spring
4. Check and clean the suction air filter
5. Check the V belt adjustment
6. Check the oil level in the crank case maintain the same up-to marked level

Total no. of times compressors to be checked: 18

**4. Breakdown maintenance of 5 stage compressors:**

1. Replace the pistons and piston rings
2. Replace the seals of all suction and delivery valves of cylinders
3. Replace the suction air filter
4. Replaced the V belt if found to get worn
5. If found to be malfunctioning repair/replace the valve parts

Total no. of times compressors to be repaired: 6

**5. Preventive maintenance of new walking beam furnace:**

1. Checking of all the actuators
2. Checking of beams of the furnace
3. Checking of furnace doors

Total no. of times furnace to be checked: 18

**6. Breakdown maintenance of new walking beam furnace:**

1. Repair of all the actuators
2. Repair of brick linings of the furnace
3. Repair of beams of the furnace
4. Repair of furnace doors

Total no. of times furnace to be repaired: 6

**7. Repair/replacement of valves of Extrusion & Piercing Presses:**

1. Open the flange
2. Remove the concerned valve
3. Do lapping if possible or replace the same with earlier lapped/new valve
4. Carry out kerosene leak test
5. Assemble the valve and regulate the speed if required
6. Observe any mal-operation in the press.

Total no. of valves to be repaired/replaced: 100

**8. Repair of high pressure cylinders of Extrusion Press:**

1. Removal of the ram
2. Dismantling of supports of pipeline
3. Removal of pipelines
4. Fabrications of supports for carrying out the repair work
5. Assembly of pipeline, its support and ram

Total no. of cylinders to be repaired: 5

**9. Replacement of set of seals and repairing the rams:**

1. Removal of all the nuts from the studs of flange joint.
2. Removal of all the studs from the flange joint.
3. Removal of flange.
4. Removal of damaged seals.
5. Applying the grease & placement of new seals.
6. Removal of Burr or Any foreign material inside cylinder
7. Assembling of flange.
8. Fixing of all the studs in the flange joint.
9. Check/repair the ram for scratches on its surface

Total no of set of seals to be replaced and rams to be repaired: 300

**10. Repair/replacement of pipeline supports:**

1. Dismantling of support
2. Repairing the channel (if possible)
3. If repairing is not possible, gas cutting of new channel of required length and welding one end to the grouted plate
4. Welding of another end of channel to support plate
5. Assembly of support on pipe lines

Total no. of supports to be repaired/replaced: 200

### **11. Repair/Replacement of pipe lines:**

1. Preparation of pipe lines to facilitate welding
2. Welding of pipe line to pipe line and End fitting to pipe line
3. Air cleaning of pipe lines to remove the loose debris and rust

If repair is not possible do the replacement by:

1. Dismantling of existing pipe line along with supports and other connecting joints
2. End preparation of new pipe lines to facilitate welding
3. Fabrication of bends with new pipe line
4. Welding of pipe line to pipe line and End fitting to pipe line
5. Flushing of new pipe line after welding for removal of foreign materials generated due to welding
6. Assembling of new pipe line including supports similar to existing pipe line
7. Painting of pipe line i.e. one coat of red oxide primer and two coats of anti rust epoxy paint

Total length of pipeline to be repaired/replaced: 200m

### **12. Replacement of hydraulic/pneumatic hose assemblies:**

1. Remove hydraulics hose assemblies
2. Number pipelines to ensure proper cutting & reconnection
3. Cut & remove all oil hydraulic “staple lock” / BSP end fittings if same is found to be damaged
4. Welds sockets with female, BSP threads/ Staple lock fittings to pipeline & assemble hose assembly
5. Connect the two cut ends with flexible hydraulic/pneumatic hose
6. Carry out test

Total no. of hose assemblies to be replaced: 60

### **13. Preventive maintenance of auxiliary systems i.e. rod & tube cutting m/c, bull press, Cu jacketing m/c etc.:**

1. Check for oil leakage from the m/c and arrest the same
2. Perform greasing at regular intervals as per schedule
3. Check for any mechanical failure in the m/c and repair the same

Total no. of times auxiliary systems to be checked: 75

### **14. Breakdown maintenance of auxiliary systems i.e. rod & tube cutting m/c, bull press, Cu jacketing m/c:**

1. If heavy vibrations or noise is observed replace the bearings
2. Repair the mountings, if damaged
3. Replace the seals of the cylinder, if leakages are observed

Total no. of times auxiliary systems to be repaired: 25

**15. Minor Electrical maintenance works:** The works include replacement of limit switches, proximity switches, tube light fittings, push button, MCCB, MPCB, SFU, bus bars of furnaces, terminal boxes, etc.

Total set of said fittings to be replaced: 12

**16. Maintenance of gear boxes:**

1. Check all bolts and supports
2. If any bolts are loose tighten them
3. In case of breakage of support repair or replace them
4. Check oil level and top up oil if required
5. Repair any leakage of oil if observed

Total no. of times gear boxes to be checked: 12

**17. Repair/replacement of actuators, direction control valves, FRL units:**

1. Check all bolts, connected pipelines and its supports
2. If bolts are loose, tighten them
3. In case of breakage of support repair or replace them
4. If any oil/air leakage is present, repair or replace the source of leakage
5. Replacement of set of seals if required
6. Replace/repair the DCV, if required
7. Clean/replace the FRL unit, if required

Total no. of times actuators and valves to be checked/replaced: 90

**18. Alignment of tool head, container, piercer & main ram platen:**

1. Check all bolts, connected pipelines and its supports
2. If any bolts are loose tighten them
3. In case of breakage of support repair or replace them
4. If any emulsion leakage is there repair or replace end fitting
5. If any misalignment is present, rectify the same by adjusting the lifting bolts.
6. If wear plates have worn out replace the same

Total no. of times alignment to be carried out: 75

**19. Alignment of mandrel with respect to top plate in 1200T Piercing Press / 630 T Extrusion Press**

1. Check all bolts
2. Check alignment with the help of proper instruments
3. Adjustment of various cross head as per requirement
4. After final alignment locking all the cross heads
5. If wear plates have worn out replace the same

Total no. of times alignment has to be carried out: 25

**20. Preventive maintenance of all distributors and its servo drive.**

1. Check all bolts, connected pipelines and supports of distributors
2. Check all bolts, connected pipelines and supports of Servo drive
3. If any bolts are loose tighten them

Total no. of times distributors to be checked: 100

## **21. Breakdown maintenance of all distributors and its servo drive.**

1. Repair the foundation of the distributors
2. Replace the pipelines or valves
3. Replace the pumps of the power packs
4. In case of breakage of support repair or replace them

Total no of times distributors to be repaired: 50

## **22. Checking/repair of isolation valves of various presses:**

1. Check all bolts, connected pipelines and its supports
2. If any bolts are loose tighten them
3. In case of breakage of support repair or replace them
4. If any emulsion leakage is there repair or replace end fitting. In case of internal leakage or leakage through seals replace the set of seals
5. Lapping of valves if required

Total no of times isolation valves to be checked/repair: 24

## **23. Checking of pits:**

1. Check emulsion in pit
2. Pump emulsion back into the overhead tanks
3. Find source of leakage if emulsion found in pit
4. Check pump if any fault is found in pump rectify the same or replace pump

Total no. of times pit to be checked: 600

## **24. Preventive maintenance of Induction Furnaces:**

1. Check all bolts, connected pipelines and its supports
2. If any bolts are loose tighten them
3. Check all Electrical Connections of Furnace
4. If any connection is loose tighten it
5. Check all bimetal switches
6. Check all micro switches

Total no. times of Induction Furnaces to be checked: 60

## **25. Breakdown maintenance of Induction Furnaces:**

1. In case of breakage of support repair or replace them
2. If any air leakage is there from cylinders repair or replace end fitting
3. Reline with new refractory if the same is found to be damaged
4. Replace bimetal or micro switches if found defective

Total no. of Induction Furnaces to be repaired: 30

## **26. Preventive maintenance of pumps and its motors:**

1. Check and align the pump with its motor
2. Check the coupling and its spider
3. Change the gland rope if found damaged
4. Check for the pump/motor mountings

5. Tighten them, if found loose

Total no. of pumps/motors to be checked: 50

**27. Breakdown maintenance of pumps and its motors:**

6. Check and align the pump with its motor
7. Check the coupling and its spider
8. If found damaged replace the same
9. Change the gland rope if found damaged
10. Replace the motor and pump bearing if found damaged

Total no. of pumps/motors to be repaired/replaced: 10

**28. Preventive maintenance of billet, tube & rod transfer systems:**

1. Check the foundation bolts of the transfer system
2. Insure proper greasing, wherever required
3. Check for any wear of the links or sprockets
4. Check for wear of couplings & replace them, if required

Total no. of transfer systems to be checked: 100

**29. Breakdown maintenance of billet, tube & rod transfer systems:**

1. Repair the foundation by welding or cutting, if required
2. Replace the chain links and sprockets if found damaged
3. Repair the rollers of the run out table if it is not working properly
4. Repair the damaged arms of tube transfer system by welding

Total no. of transfer systems to be repaired: 50

**30. Checking and filling of oil in various power packs of presses, pumps and other auxiliary systems & gear boxes of EOT crane:**

1. Check the oil level in the power packs & gear boxes of the cranes
2. If the level is below the marked level maintain it by pouring more oil
3. Repeat the same process with all the power packs & gear boxes

Total no. of power packs & gear boxes to be checked: 75

**31. Preventive maintenance of hot saw:**

1. Check for proper alignment of the saw unit with gear and pulley
2. Check for any mechanical failure in the unit and repair the same
3. Check for any unwanted noise or vibrations
4. Check for the belt tightness and adjust or replace the same if required

Total no. of systems to be checked/repared: 20

**32. Breakdown maintenance of hot saw:**

1. Dismantle the hot saw unit
2. Replace the bearings of the driving shaft
3. Replace the bearings of the driven shaft

4. Replace the bearings of the adjustment pulley
5. Assemble the hot saw unit and take trial-runs

Total no. of systems to be repaired: 5

**33. Preventive maintenance of vacuum furnace systems:**

1. Check for door operation of the furnace
2. Check for any mechanical failure in the furnace and repair the same
3. Check for cooling water lines and adjust the same
4. Check for the conveyor system of furnace and adjust the same

Total no. of furnace systems to be checked: 9

**34. Breakdown maintenance of vacuum furnace systems:**

1. Replace the bearings for door operation, if found damaged
2. Repair the hydraulic systems, if required
3. Repair the cooling water pipelines, if required
4. Check for the conveyor system of furnace and repair the same, if required

Total no. of furnace systems to be repaired: 3

**35. Checking/adjustment of EOT crane brakes, motor, rails, gears & wheels:**

1. Check the crane brake tightness by moving the crane
2. If the movement is observed after releasing the button adjust the crane brakes
3. Check/repair for any malfunction in gears or wheels of crane

Total no. of brakes, rails, gears, wheels to be adjusted: 60

**Note:**

1. The quantum of work (explained above) shall be completed within a period of approximately one year.
2. Skilled manpower should be atleast ITI passed, semiskilled should be atleast Class X failed and unskilled should be capable of understanding the instructions.
3. The machine/ tools shall be handed over in clean and healthy condition after completion of the work.
4. Contractor must go through all the terms in NIT and strictly adhere to it.
5. Contract shall be awarded to the cumulative lowest bidder.
6. At least 3 Skilled and 3 Unskilled persons shall be available on the site to carry out the work on regular basis, on all working days, for the period of contract. However, the contractor must agree to provide sufficient manpower on weekly offs or on holidays also, if required.

**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: <b>Work contract for assistance in preventive &amp; breakdown maintenance and other minor repair works of various equipments at EPP.</b>						
20	Tender No.: <b>NFC/EPP(M)/73/2018/02</b>						
21	Total amount quoted						
22	No. of labours proposed to be employed in this work	Highly Skilled		Skilled		Un-skilled	
	Supervisors:						
23	Qualification and Experience of Supervisor						
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

From:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

To:

DGM M-(ZF)  
Nuclear Fuel Complex  
ECIL ((PO)  
Hyderabad-500062

QUOTATION

Dear Sir,

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

Sl No	Description of Item	Unit	Qty	Unit Rate (Rs.) (In figures & words)	Total Amount (Rs)
1	Replacement of header block, valves & AI rings of 3 plunger reciprocating pumps	Nos.	12		
2	Replacement of plunger seals of 3 plunger reciprocating pumps	Nos.	75		
3	Preventive maintenance of 5 stage compressors	Nos.	18		
4	Breakdown maintenance of 5 stage compressors	Nos.	6		
5	Preventive maintenance of new walking beam furnace	Nos.	18		
6	Breakdown maintenance of new walking beam furnace	Nos.	6		
7	Repair/replacement of valves of Extrusion & Piercing Presses	Nos.	100		
8	Repair of high pressure cylinders of Extrusion Press	Nos.	5		
9	Replacement of set of seals and repairing the rams	Nos.	300		
10	Repair/replacement of pipeline supports	Nos.	200		
11	Repair/Replacement of pipe lines	meter	200		
12	Replacement of hydraulic/pneumatic hose assemblies	Nos.	60		
13	Preventive maintenance of auxiliary systems i.e. rod & tube cutting m/c, bull press, Cu jacketing m/c	Nos.	75		
14	Breakdown maintenance of auxiliary systems i.e. rod & tube cutting m/c, bull press, Cu jacketing m/c	Nos.	25		
15	Minor Electrical maintenance works	Nos.	12		
16	Maintenance of gear boxes	Nos.	12		
17	Repair/replacement of actuators, direction control valves, FRL units	Nos.	90		
18	Alignment of tool head, container, piercer & main ram platen	Nos.	75		
19	Alignment of mandrel with respect to top plate in 1200T Piercing Press / 630 T Extrusion Press	Nos.	25		
20	Preventive maintenance of all	Nos.	100		

	distributors and its servo drive				
21	Breakdown maintenance of all distributors and its servo drive	Nos.	50		
22	Checking/repair of isolation valves of various presses	Nos.	24		
23	Checking of pits	Nos.	600		
24	Preventive maintenance of Induction Furnaces	Nos.	60		
25	Breakdown maintenance of Induction Furnaces	Nos.	30		
26	Preventive maintenance of pumps and its motors	Nos.	50		
27	Breakdown maintenance of pumps and its motors	Nos.	10		
28	Preventive maintenance of billet, tube & rod transfer systems	Nos.	100		
29	Breakdown maintenance of billet, tube & rod transfer systems	Nos.	50		
30	Checking and filling of oil in various power packs of presses, pumps and other auxiliary systems & gear boxes of EOT crane	Nos.	75		
31	Preventive maintenance of hot saw	Nos.	20		
32	Breakdown maintenance of hot saw	Nos.	5		
33	Preventive maintenance of vacuum furnace systems	Nos.	9		
34	Breakdown maintenance of vacuum furnace systems	Nos.	3		
35	Checking/adjustment of EOT crane brakes, motor, rails, gears & wheels	Nos.	60		
				<b>Total</b>	

(Rupees \_\_\_\_\_ only).

Note: The above quoted price is exclusive of ESI & EPF & inclusive of GST & any other mandatory duties and levies of govt.

Thanking you,

Name: \_\_\_\_\_  
Aadhar Card No. \_\_\_\_\_  
GST No. \_\_\_\_\_  
PAN No. \_\_\_\_\_  
Bank Account No. \_\_\_\_\_  
IFSC Code: \_\_\_\_\_  
Name of the bank: \_\_\_\_\_  
Name of branch: \_\_\_\_\_

Yours faithfully,  
CONTRACTOR  
(Sign with Seal)

Tender document issued to  
M/s. \_\_\_\_\_  
On receipt of Rs. 500/- vide  
D.D. No. \_\_\_\_\_ Dtd. \_\_\_\_\_  
Towards cost of tender document

\_\_\_\_\_  
(Sign of OIC)