

GOVERNMENT OF INDIA
BHABHA ATOMIC RESEARCH CENTRE
FUEL REPROCESSING DIVISION

PP, NORTH SITE,
TROMBAY,
MUMBAI-400085

NIT No: BARC/FRD/MAINT/MF-33/2018/OPA- 154880

Date: 08.08.2018

Notice inviting tender (Minor fabrication)

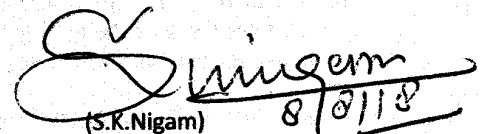
Sealed quotations are invited for and on behalf of the President of India by the Head, Fuel Reprocessing Division, BARC for the following work **from experienced contractors** having adequate experience, staff with valid PVC, and capability to execute such magnitude and similar works and who have similar experience with different units of DAE, Government organizations, Public Sector Undertakings, reputed public/ private organizations etc.

Description of work : Annual IBR inspection work of Thermax boiler No-2 (MR13496) at F.R.D.,BARC, Mumbai-400 085

Period of job :- 1 month from the date of issue of work order

1. The tenderer may contact on telephone no. 25593101 /25591198 to make necessary security permit for submission of their application along with their company work profile.
2. Enquiry will be issued to the eligible tenderer from 08.08.2018 to 17.08.2018_ between 10.00 hrs. to 16.00 hrs. between (Monday to Friday).
3. Sealed quotations (ONLY through registered post/speed post of the Indian postal service) will be received up to **21.08.2018** at 15.00 Hrs and will be opened on 21.08.2018 at 15.30 hrs. Late quotations will not be accepted.
4. Sealed quotations shall be send by registered post/speed post of the Indian postal service to the following address:-
The head,
Fuel Reprocessing Division, Kind Attn: Shri N.Krishnaraju, TO/D
Bhabha Atomic Research Centre,
Trombay,
Mumbai -400085.
5. Please clearly mention a) "Quotation for the work- name of the work b) tender notice reference number, etc. on the sealed envelope of your quotation. Otherwise the tender/quotation shall be summarily rejected.
6. BARC reserves right to reject any or all tenders/applications without assigning any reason thereof.

N-224
08/08/2018


(S.K.Nigam) 8/8/18
Scientific Officer-G

ANNEXURE-1

Scope of work

1. Dismantling of all mountings required for cleaning like safety valves, steam stop valves, steam bypass valve, feed check valve or any other related valves required for descaling . The detail of specification of boiler is as per annexure – II.
2. Cleaning of boiler smoke contact surfaces consisting of smoke tubes, furnace, reverting chamber, fusible plug, end plates, safety door, front & back doors, viewing glasses etc. completely using with wire brush, emery sheet & other approved method.
3. Cleaning of water side (manual/ chemical as per requirement) using required tools & tackles as per manufacturer's procedure (and approved by user) , under the full presence of user side as per the schedule approved by user.
4. Boxing / Refitting of all related mountings , fittings , accessories after cleaning.
5. All liasoning with Boiler Inspector for obtaining the annual fitness shall be in the scope of contractor.
6. Repair of furnace refractory with white heat K or equivalent approved refractory cement..

Free issue of the material (if required)

- Maxclean 05 boiler cleaning powder- 60 kg.
- Caustic soda- 30 kg

Equipment/ facility (provided by the user at free of cost).

- Flexible shaft tube cleaning machine
- Water and electrical supply and necessary connection.
- The space requirement to store your material .

THE GENERAL TERMS AND CONDITION.

1. The contractor/Bidder should guarantee for the material / workmanship as per the I.B.R. requirement.
2. Skilled man power should be employed under the qualified supervisor/service engineer, who should be well versed with the work and safety precautions to be adopted while working on IBR Boilers. His full presence during complete execution of work will be required.
3. All approval works at different stages is to be carried out by contractor.
4. All dimensions are approximate and correct dimensions are to be taken before starting the work.
5. The quotation is to be filled in the given format complete with seal and signature .
6. Removal of all derbies / waste generated from the site to specified location (within 1 K.M. lead) as directed by /Engineer-in Charge is in the scope of contractor .
7. Income tax @2% and surcharge on Income tax as applicable will be deducted from your bill.
8. Due to site constrain any minor deviation is to be carried out without increase in price and it will be in the contractor scope.
9. Compensation for delay:-In the event of grant of extension of time, the Government shall be entitled to recover at its discretion from the contractor agreed liquidated damages at ½% (half percent) per week of the total value of the work in areas subject to a ceiling of 10% of the total value of the contract whether any loss is suffered by the Government on account of such delay or not.
10. Payment terms should be clearly specified and validity of the offer should be min 30 Days .

Note: **Time schedule should be followed strictly by the contractor.**

Annexure - II

Boiler Specifications**Registration No: MR – 13496**

S.NO	Description	Remark
1.	Type	Horizontal, Smoke tube, three pass, wet pack, oil fired multi tubular, package boiler
2.	Make & year of manufacture	Thermax Ltd, Pune, year 2002
3.	Design code	IBR 1950
4.	Rating	6000 kg/hr. F&A 100 deg C
5.	Working Pressure	10.54 kg/cm ²
6.	Hydraulic test pressure	15.81 kg/cm ²
7.	Shell Diameter	2.4 metre
8.	Shell Length	5.5 metre
9.	Furnace type	Fully corrugated
10.	Dimension of stay tube	63.5 mm x 6.35mm thick
11.	Dimension of plain tube	63.5 mm x 3.66 mm
12.	Total no of smoke tube	127 nos.
	Mountings	
1.	Safety valves	2 nos. set pressure 10.2 kg/cm ² , 10.3 kg/cm ² respectively.
2.	Sight gauge glass	2 nos.
3.	Steam stop valve	150 NB class 300 - 1 no.
4.	Feed check valve	3 nos. disc type
5.	Blow down valve	Parallel sliding type – 1no
6.	Fusible plug	2 nos. Melting temp. 370 deg C (approx.)
	Accessories	
1.	Feed pump	Multistage centrifugal pump Cap.-12m ³ /hr. , Head – 130 mwc
2.	Forced draft fan	Centrifugal blower backward curved blade cap.- 105 CMM , Static pressure-490 mmwc
3.	Oil feed pump	Rotary Gear pump cap- 1000 LPH, discharge pressure- 30 kg/cm ²
4.	Burner	Pressure jet type

FORMAT FOR FILLING THE QUOTATION

Date :

To, **The Head,
Fuel Reprocessing Division,
Bhabha Atomic Research Centre,
Trombay , Mumbai - 4000 85**

Kind Attention : Shri N.Krishnaraju, TO/D

Sub: Annual IBR inspection work of Thermax boiler No-2 (MR13496) at
F.R.D.,BARC, Mumbai-400 085
Ref.: NIT No.: BARC/FRD/MAINT/MF-33/2018/OPA- Date:

With reference to your above mentioned subject we hereby quote for the complete job as follows:

S.No (a)	Quantity (b)	Description of item (c)	Unit (d)	Rate in Rs. Ps. (e)	Total Rs. Ps. (e) x (b)
1)	1	Annual IBR inspection work of Thermax boiler No-2 (MR13496) complete scope of work as per enquiry.	Job		

TOTAL

Taxes _____

Grand total including taxes _____

Terms and Condition :

Payments term Within 45 Days (after submission of all documents required for payment)
Validity of the offer 60 days
Completion Time 2 month (excluding the mobilisation time)
Mobilization Time 10 Day for making gate pass and other arrangement.
Warranty period of work Not applicable
Price Firm and final (Also accepted as part job without increase of price)
Excise Not Applicable
Jurisdiction Mumbai
Discount No discount / discount @ _____
Remark All scope will be covered as per your inquiry

Undertaking : I will abide with all security procedure as instructed by Engineer-in-Charge and Security Officer (P.P. & N.G.).

Seal & signature of contractor with date