

09/04/ 2018

Gentlemen

Sub: **110 ATA & PC BOILER FO HEATERS Tube Bundle Pulling for Hydro-jet cleaning, tube leak fixing & boxing up**

Ref: **FO Heaters Bundle Pulling 002/ dated 09/04/18**

Madras Fertilizers Limited plans to have TAR 2018 and during the TAR we are planning to carry out Tube Bundle Pulling for Hydro-jet cleaning, tube leak fixing & boxing up of **110 Ata and PC Boiler FO Heaters** in Ammonia plant.

We invite your lowest sealed offer for the above jobs as per scope of job (**section I**) and terms and conditions.

The sealed tender should be submitted as indicated below.

Part 1 - The tenderer shall submit the technical bid (**Section II**) having proof for the early similar jobs carried out by them, technical details regarding the capability to carry out the above job, ESI & PF details in a separate cover superscribed as **Technical bid for Tender No.: FO Heaters Bundle Pulling /002/ dated/ 09/04/2018 110 ATA & PC BOILER FO HEATERS Tube Bundle Pulling for Hydro-jet cleaning, tube leak fixing & boxing up.**

Part 2 - The tenderer shall submit the price bid in a prescribed format (**Section III- Price schedule**) in a separate cover superscribed as **Price bid for FO Heaters Bundle Pulling /002/ dated 09/04/18 - 110 ATA & PC BOILER FO HEATERS Tube Bundle Pulling for Hydro-jet cleaning, tube leak fixing & boxing up.**

Cover containing Part 1 and Part2 shall be submitted in single cover super scribed as **Quotation for Tender No.: FO Heaters Bundle Pulling /002/ dated 09/04/18 - 110 ATA & PC BOILER FO HEATERS Tube Bundle Pulling for Hydro-jet cleaning, tube leak fixing & boxing up** latest by **16:00** hours on **30/04/18** at the office of **The Dy. General Manager, Maintenance, Madras Fertilizers Limited, Manali, Chennai 600068.**

You are advised to visit MFL to ascertain the site condition before submitting the offer for the job.

Price Bid

Rate must be quoted in prescribed Format (**section III**). The rate should be in both words and figures. The validity of the offer shall be for 90 days from the last date of the submission the offer. Price shall be firm till completion of the job and not subject to escalation of any kind.

Bid Opening:

The technical bids will be opened on **02/05/2018 at 14:00 hrs**. Upon finalizing the qualification in Technical bid, the price bid will be opened

Bid evaluation:

Successful vendor will be arrived on L1 basis.

Job Completion Period

The opening and boxing up of FO Heaters is to be completed within the stipulated time of 13 days.

Liquidated Damages (LD):

In case of delay in completion of the job beyond the stipulated time of 15days, inclusive of 2 days mobilization period. Liquidated Damages (LD) will be levied at the rate of 0.2% per day of the delay or part thereof, subject to a maximum of 5% of the total contract value.

Subletting & transfer

Tenderer shall be solely responsible for rendering any or all the services. He shall not sublet / transfer / assign the contract or any part thereof to others. All their dealing with third parties shall be without reference to MFL.

Arbitration

Any or all disputes arising out of the contract / agreement shall be settled by mutual discussions and in the event of failure to do so, such dispute (s) shall be referred to a sole arbitrator, who will be appointed by mutual consent for settlement of such dispute (s) and whose decision shall be final and binding. In the event of failure to appoint such a sole arbitrator, with mutual consent, then the sole arbitrator will be appointed through the high court of judicature at Madras. Subject as aforesaid, the arbitration and conciliation act 1996 shall apply to the arbitration proceedings under this clause and such arbitration shall be in English and take place in the city of Chennai, Tamil Nadu.

Statutory Norms:

Proof of ESI and PF allotment letters shall be attached with the technical bid. Personal protective equipments like helmet, shoes, gloves, goggles etc. are to be provided to the workmen at site and necessary precautions are to be followed to ensure safety to the workmen and also to the equipment.

Payment term

100% of contract value will be released within 30 days of the job completion.

The estimated value of the tender is **Rs. 1,65,200/-**

Madras Fertilizers Limited reserves the right to accept or reject any tender in a whole or part, without assigning any reason whatsoever. In case of part acceptance by MFL, the tenderer shall perform the same at the quoted rate.

Very truly yours

DGM –Maintenance., (a/c)

Scope of work

Tender No.: FO Heaters Bundle Pulling /002 dated 09/04/2018

Job description : **110 ATA & PC BOILER FO HEATERS Tube Bundle Pulling for Hydro-jet cleaning, tube leak fixing & boxing up**

General

- Job will be carried out at MFL site during TAR 2018
- Job will be carried out on 24 hrs basis without any weekly off
- Your work men fulfill all statutory obligations and comply with provisions of Labour Regulations Act 1970
- All your workmen shall be adequately covered by ESI, PF and evidence thereof shall be produced before commencement of this work
- You should strictly adhere to MFL safety rules and regulations
- Work permit shall be obtained during each shift from MFL authorities
- All required tools and tackles will be to vendor scope
- Being a shutdown job you will deploy sufficient man power, tools and tackles to complete the job within the schedule time without fail
- MFL will give free water, power and air

Scope of work execution

- The heaters are to be shifted from its position to an alternate place in order to carry out tube bundle pulling and related jobs and re fixing the same to its original position after completion of all activities.
- Removing end covers and floating heads of the heat exchangers/coolers to enable hydro jet cleaning.
- Tube bundle assembly is to be pulled out of shell without damaging the same and properly supported to facilitate hydro jet cleaning.
- Insert the tube bundle assembly after completion of hydro jet cleaning of the shell and tubes with new gaskets.
- Removed fasteners to be kept safely to reinstall them while boxing up the end covers and floating heads. If any fastener is lost, the vendor has to provide new fasteners of good quality recommended by MFL personnel, without any extra cost.
- While boxing up the end covers and floating heads, the fasteners are to be fixed back with proper lubrication (grease).
- Blinding of gas/ vapour/ liquid and cooling water inlet and outlet flanges for pressure testing.
- Removing of relief valves, if any, to shop for testing and shift back to site and fixing after testing.

- Hook up points and test rings (in case of floating heat exchanger) are to be fixed.
- To carry out appropriate pressure testing with air/water using **your hand pump**.
- Identifying leaky tubes and plugging them in presence of MFL inspection engineers and get clearance for boxing up covers.
- Boxing up flanges/end covers/floating head with new gaskets.
- Blinds provided for pressure testing should be normalized with new gaskets.
- While lining up the exchanger, if any leak persists, the same to be rectified.
- Consumables like ready-made gaskets and taper plugs will be supplied by MFL.
- In case, if these consumables are not available in MFL, the same has to be provided by vendor against actual cost.
- In case if ready-made gaskets are not available for any exchanger you have to prepare the gasket from gasket sheet (supplied by MFL) without any extra cost.
- **Necessary scaffolding and crane if required will be provided by MFL.**
- You have to engage your supervisor to supervise the job progress and coordinate with our engineers.

TECHNICAL BID

110 ATA & PC BOILER FO HEATERS Tube Bundle Pulling for Hydro-jet cleaning, tube leak fixing & boxing up

Tender No.: FO Heaters Bundle Pulling /002/ dated 09/04/2018

S.No	Description	
1	Number of days for completion of the job (Our Requirement is 13 days only)	
2	Mobilization Time(Our Requirement is 2 days)	
3	Previous similar jobs carried out in detailed along with Purchase order / Work order copies	
4	Validity of the offer (Our Requirement is 90 days)	
5	Payment terms - 100% of contract value will be released within 30 days of the job completion.	
6	ESI, PF Detail	
7	GST No	
8	Others detail if any willing to submit	

Tenderer's Signature :

PRICE SCHEDULE

110 ATA & PC BOILER FO HEATERS Tube Bundle Pulling for Hydro-jet cleaning, tube leak fixing & boxing up**Tender No.: FO Heaters Bundle Pulling /002/ dated 09/04/2018**

Sl No	Job Description	Quantity	Rate in Rs.
1.	Charges for bundle pulling of 110Ata FO Heater and re-fixing after hydro-jet cleaning	02 Nos.	
2.	Charges for bundle pulling of PC Boiler FO Heater and re-fixing after hydro-jet cleaning	02 Nos.	
3.	Total		
4.	GST@18%		
5.	Total (including tax)		

L 1 will be arrived based on the total amount (Sl.No. 5)**Note:**

- ❖ While quoting, the tenderer has to reckon all the components, i.e labour cost and their statutory payments, tools and tackle, transportation, overhead cost, administrative charge, profit and cost of safety apparels to be issued to workers etc.
- ❖ Bidder should ensure that prices should not be indicated anywhere in the un-priced part. The prices should be indicated only in the price bid and nowhere else
- ❖ Bidder to note that if prices are indicated in their un-prices techno-Commercial part their offer will be rejected and NO further evaluation or communication will be entertained in this regard

