

BHARAT HEAVY ELECTRICALS LIMITED**FOUNDRY DIVISION****TECHNO – COMMERCIAL BID**TENDER DOCUMENT NO. : **FYM / CONT / 2009 – 10 / 06**NAME OF WORK : **FETTLING OPERATION OF CASTINGS IN STEEL, CAST IRON AND NON-FERROUS**

ITEM	DESCRIPTION / NATURE OF WORK	ESTIMATED QTY.	UNIT	REMARKS
01	Fettling operation of castings in steel, cast iron and non-ferrous	2900 (Finished / casting weight as per Drawing / Shipped weight without runner / riser)	MT	

1. SCOPE OF WORK FOR FETTLING OPERATION OF CASTINGS

- a) Knockout & Decoring
- b) Riser / Runner / Ingate and Fin cutting
- c) Shot blasting
- d) Arm Grinding
- e) Chipping

Signature of Contractor

- f) Grinding
- g) Finishing.
- h) Welding
- i) Rework of castings
- j) Non Destructive testing
- k) Transporting of materials required for Fettling operation by hand trolley from store and yard.
- l) Primer coating of castings.

2. WORK MEASUREMENT

Based on the weekly / monthly report duly signed by concerned supervisor & counter signed by shop executive.

3. TECHNICAL TERMS AND CONDITIONS

1. Heat Treatment, rough machining, and final inspection clearance shall be done by BHEL.
2. Contractor shall arrange to carry out the above-mentioned operations at Bay 1 and 4 Fettling areas of Foundry Division in both shifts ie, (7.00 AM to 4.00 PM) & (4.00 PM to 1.00AM) as required.
3. Shot Blasting machine, Arm grinding machine, welding M/c and gas cutting set will be provided by BHEL
4. Pneumatic gun/chisel and electric grinder will be provided by BHEL.
5. Space & all requisite facilities like crane, compressed air, power etc. shall be made available to contractor in Fettling area.
6. The contractor will be solely responsible for timely execution and completion of work. Contractor has to depute his own supervisor for necessary supervision and monitoring. Supervisor should have good knowledge of Foundry and should be Diploma qualified (name, qualification and experience of supervisors to be furnished with photograph).

Bidders acceptance (Y / N)

Signature of Contractor

7. Once the work has begin , it should continue till its completion.
8. If, any time, it is noticed that the party has stopped the work or not deploying adequate work force, BHEL may get the balance work done through other contractor on risk and cost.
9. The final acceptance / completion certificate shall be issued on finished casting weight basis by shop supervisor of fettling area and endorsed by concerned executive looking after the area.
10. Quantum of works contract may vary between $\pm 25\%$ of the estimated quantum of work.
11. NDT qualified person may be deputed for NDT testing (PT, MT and UT Level – II qualified)
– Biodata to be furnished with photograph.

Bidders acceptance (Y / N)

5. PERSONAL PROTECTIVE SAFETY EQUIPMENTS REQUIRED

1. UNIFORM	1. HELMET
2. SAFETY SHOES	2. FETTLING GOGGLES / FACE SHIELD
3. DANGRI	3. FETTLING GLOVES - LEATHER
4. EAR PLUG / MUFF	

6. PROCEDURE FOR SUBMISSION OF TENDER QUOTATION :

Tender quotations to be submitted in two bid system .

Signature of Contractor

7. **PAYMENT TO CONTRACTOR**

Payment by BHEL will be made on the basis of total executed Quantity by the firm. The payment shall be made on Quarterly Basis.

8. **JOB ASSESSMENT**

As per our assessment and estimate, minimum 40 Nos. of contract workers are required for Fettling of 2900 MT of casting. Before quoting, the party should contact the concerned foundry executive for any clarification and actual work assessment.

9. **SPLITTING OF CONTRACT**

Works contract for Fettling operation of casting in steel, ferrous and non ferrous area will be split in two parties for operational convenience. Works contract will be split in the ratio 60:40. The party with L1 rates will be awarded 60% of contract and the other party will be awarded 40% of contract. The second party has to work on the L1 rate. The first party with L1 rate has to do the Fettling work of ferrous and non ferrous area where as the second party has to do the Fettling work of steel area.

Signature of Contractor

Date: _____

BHARAT HEAVY ELECTRICALS LIMITED

FOUNDRY DIVISION

PRICE BID

TENDER DOCUMENT NO. : **FYM / CONT / 2009 – 10 / 06**

NAME OF WORK : **FETTLING OPERATION OF CASTINGS IN STEEL, CAST IRON AND NON-FERROUS**

ITEM	DESCRIPTION / NATURE OF WORK	ESTIMATED QTY.	RATE QUOTED PER MT (inclusive of all taxes, duties, incidentals etc expect service tax)		REMARKS
			In Fig.	In Words	
1	Fettling operation of castings in steel, cast iron and non-ferrous	2900 MT			

Signature of Contractor _____

Date: _____