

**BHARAT HEAVY ELECTRICALS LIMITED**

**FOUNDRY DIVISION**

**TECHNO – COMMERCIAL BID**

TENDER DOCUMENT NO. : **FYM / CONT / 2009 – 10 / 04**

NAME OF WORK : **FERROUS METAL CHARGE PREPARATION FOR MELTING OPERATION,  
RE-LINNING & REPAIR OF FURNACES & LADDLES.**

ITEM	DESCRIPTION / NATURE OF WORK	ESTIMATED QTY.	UNIT	REMARKS
01	Ferrous metal charge preparation for melting operation, re-linining & repair of furnaces & laddles.	3000	MT	

**1.0 SCOPE OF WORK**

- a) Sorting out metal pieces of required size in Steel, Ferrous and Non-Ferrous area.
- b) Stacking the metal pieces to prepare a charge of furnace in Steel, Ferrous and Non-Ferrous area.
- c) Loading of charge in Steel, Ferrous and Non-Ferrous area.
- d) Melting and preparation of metal in furnace in Steel, Ferrous and Non-Ferrous area.
- e) Prepare and preheat the ladle for tapping of metal in Steel, Ferrous and Non-Ferrous area.
- f) Tapping of metal in ladle in Steel, Ferrous and Non-Ferrous area.
- g) Pouring of moulds in Steel, Ferrous and Non-Ferrous area.
- h) Breaking of linning, Repair and Re-linining of furnaces, ladle, roof in Steel, Ferrous, Non-Ferrous and Die casting section.
- i) Transporting of materials required for melting from yard and store by hand trolley.

Signature of Contractor

## 2.0 TECHNICAL TERMS AND CONDITIONS

- 1) Contractor shall not engage any female labour for the execution of this work without the written Permission of Engineer Incharge of work.
- 2) Contractor shall arrange to carry out the above-mentioned operations at Fettleing area of Foundry Division in both shifts ie, (7.00 AM to 4.00 PM) & (4.00 PM to 1.00 AM) as required.
- 3) Actual quantum of work may vary within limits of  $\pm 25\%$  from the estimated quantum of work.
- 4) Furnaces, ladles, gas cutting set, scrap and materials for melting and linning shall be provided by BHEL.
- 5) Space and all requisite facilities like crane, compressed air, power etc. shall be made available to contractor in melting 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).
- 7) Technical requirement and guidance shall be provided by BHEL Supervisor / Executive however whole responsibility of completion of works contract lies with the contractor .
- 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 the basis of heat log sheet given by shop supervisor of melting area and endorsed by concerned executive looking after the area.

Bidders acceptance (Y / N)

Signature of Contractor

3.0 **WORK MEASUREMENT**

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

4.0 **PERSONAL PROTECTION SAFETY EQUIPMENTS REQUIRED**

1. UNIFORM	4. HELMET
2. SAFETY SHOES	5. GLOVES (ASBESTOS)
3. ASBESTOS APRON	6. DANGRI
	7. MELT. SAFETY GOGGLES (BLUE FILTER )

5.0 **PROCEDURE FOR SUBMISSION OF TENDER QUOTATION** :

Tender quotations to be submitted in two bid system.

6.0 **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.**

7.0 **JOB ASSESSMENT**

As per our assessment and estimate, minimum 25 Nos. of contract workers are required for ferrous metal charge preparation of 3000 MT. Before quoting, the party should contact the concerned foundry executive for any clarification and actual work assessment.

Signature of Contractor

Date : \_\_\_\_\_

**BHARAT HEAVY ELECTRICALS LIMITED**

**FOUNDRY DIVISION**

**PRICE BID**

Tender Document No. : **FYM / CONT / 2009 – 10 / 04**

Name of Work : **FERROUS METAL CHARGE PREPARATION FOR MELTING OPERATION RE-LINNING & REPAIR OF FURNACES & LADDLES.**

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	Ferrous metal charge preparation for melting operation, re-linining & repair of furnaces & laddles.	3000 MT			

Signature of Contractor

Date : \_\_\_\_\_