ISO 9001:2008, 14001:2004,
50001:2011 & OHSAS
18000
MAHARATNA COMPANY

MATERIAL MANAGEMENT (PURCHASE)
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REF NO. : Enquiry No. 201703911/ 5437

PREQUAIFCATION CREITERIA:

A). Items: RBMC Brick SU745 for VAD/VOD Ladle (FF2618081030) – 40, 000 Nos.
Specification – FF05066 Rev 05

a) Vendor must be a Manufacturer/ Manufacturer's Agent of these bricks and must have supplied minimum 8000 nos. of Magnesia carbon bricks with MgO content 96% minimum in fused magnesia used and supplied to a steel Industry in one financial year within a period from 01.04.2013 to the date of opening tender.

b) As a supporting document, copy of Purchase Orders/Purchase Agreements along with its Invoice for cumulative minimum 8000 nos. of Magnesia carbon bricks with MgO content 96% minimum in fused magnesia used and supplied to a steel Industry in one financial year within a period from 01.04.2013 to the date of opening tender has to be provided.

Note:

1 Vendor has to confirm that fused magnesia was used to manufacture the supplied bricks.
2 Vendor has to provide Purchase Orders/Purchase Agreements along with its Invoices.
3 Individual Purchase Orders/Purchase Agreements or Invoices will not be considered.

Remarks:

1 **Purchase Order will be placed on Original Manufacturer even if the offer is submitted by Manufacturer's authorized agent.**
2 **Authorization letter (for Indian manufacturers)/ Agency agreement (for foreign manufacturers) has to be provided by the manufacturer's authorized agents.**
3 **Vendor has to guarantee performance of bricks as per clause 10.0 of Specification FF05066 R05.**
4 **Performance calculation will be done as per point (D).**

B) ADDITIONAL TECHNO COMMERCIAL REQUIREMENT.

1) Vendor has to arrange for **Third Party Inspection** from BVC, DNV, TUV (SUD), SGS, ALEC STEWARD, and ALFRED H-KNIGHT.

Scope of Third Party Inspection

- Witnessing of Physical properties and Chemical composition of the brick at Manufacturer end as per clause no. 5.1 & 5.2 respectively of CFFP specification No. FF05066 R05 (except 5.2(a)).
- Properties as per Point 5.2(a) is to be reviewed by Third Party Agency.

C) Payment Terms

Payment of Bricks will be made as per following:

1. 80% Payment will be made after receipt and acceptance of material at CFFP.
2. 20% payment will be made after use & issue of Performance certificate from shop (calculated as per clause 10.0 of specification FF05066 Rev 05).

D) Performance Measurement for RBMC Brick SU745

i) Measurement of life in minutes

Table1: Ladle life record for Ladle No. XXX

Date	Type of Repair	No. of bricks used	Heat no.	Total minutes in VAD/VOD (a)	Type of steel	Multiplying Factor (as per Table2) (b)	Equivalent minutes in VAD/VOD (c = a x b)	Remarks
xx/xx/xxxx	new lining	xxx	---	---	---	---	---	
xx/xx/xxxx	---	---	xxxxx	xxx	xx	x	xxx	
.	.	---	.	.	.	.	.	
.	.	---	.	.	.	.	.	
.	.	---	.	.	.	.	.	
xx/xx/xxxx	1st slag	xxx	---	---	---	---	---	
xx/xx/xxxx	line repair	---	xxxxx	xxx	xx	x	xxx	
.	---	.	.	.	.	.	.	
.	.	.	.	.	.	.	.	
.	.	.	.	.	.	.	.	
	.	Total minutes/Life for ladle no. XXX (With one slag line repair)					**XXX** (Equivalent in minutes)	
xx/xx/xxxx		xxx	---	---	---	---	---	These minutes will not be considered in calculating life
xx/xx/xxxx	2nd slag	---	xxxxx	xxx	xx	x	xxx	
.	line repair	---	.	.	.	.	.	
.	---	---	.	.	.	.	.	
.	.							
	.							

Table2: Scrap codes & Multiplying Factors

Category	Multiplying factor	Description
A	1	Plain Carbon, Cast Iron
B	1.3	Low Alloy Steel
C	1.6	Medium Alloy steel
D	2.0	High Alloy Steel (Stainless steel & Super critical steel)

ii) Average Life calculation

- Performance of the material will be measured based on average life of each lot quantity specified in PO of the material after use (as per clause 10.0 of Specification FF05066 R05)
- Lot quantity is the quantity mentioned in the PO.

Table3: For calculation of average Life

No.	Ladle	Life
1)	Ladle No. XXX	XXX equivalent minutes
2)	Ladle No. XXX	XXX equivalent minutes
3)	Ladle No. XXX	XXX equivalent minutes
..	…	---
..	…	---

Average Life = $\frac{\sum \text{Life (XXX equivalent minutes)}}{\text{Total no. of ladles}} \geq 5000$ minutes (as per clause 10.0 of Spec. FF05066 R05)