



**MATERIALS MANAGEMENT
CENTRAL FOUNDRY FORGE PLANT
BHARAT HEAVY ELECTRICALS LIMITED
RANIPUR, HARIDWAR – 249403
(INDIA)**

Phone No.01334-285356,FAX No. 01334-225892
e-mail : shantanu@bhelhwr.co.in

Mobile: 09411100208

Dated: 21/10/2008

CORRIGENDUM

Standard clause of Security Deposit and Performance Bank Guarantee i.e. Sl.No. 17 is deleted and instead may be read as under :“Payment term for new vendors shall be 100% payment with in 30 days after receipt and acceptance of material at CFFP through E-mode only.

All other terms & conditions remain unaltered.

(Rohit Varshney)
Engineer (Pur)



ISO 9001:2000
&14001:2004
NAVARATNA
COMPANY

सामग्री प्रबन्धन (क्रय विभाग)

MATERIAL MANAGEMENT(PURCHASE)

सेन्ट्रल फाउन्ड्री फोर्ज प्लान्ट, भारत हेवी इलेक्ट्रिकल्स लिमिटेड

CENTRAL FOUNDRY FORGE PLANT,BHEL HARDWAR

रानीपुर, हरिद्वार (भारत)

RANIPUR, HARIDWAR (INDIA) – 249403

Phone No. +91-1334-285326/284548, FAX No. 225892

e-mail : lpbadoni@bhelhwr.co.in

M/S

Sub: Tender Enquiry No. 5416/P/351/8/4142K/1 Due on 25 Oct'2008 at 2.00 P.M.

Dear Sir,

We are pleased to invite offer as per enclosed specifications, drawings with terms and conditions in sealed covers for the under mentioned items.

SI No	Tender No	Description of Material	Qty ST	Date & Time of Opening
01	5416/P/351/8/4142K/1	HEAVY DUTY BRICKS FOR 70 TON ARC FURNACE SPECN. FF05066 REV.03	05	25 Oct'2008 2.00 P.M.

KINDLY READ TERMS AND CONDITIONS. OFFER NOT IN ACCORDANCE WITH THE INSTRUCTIONS IS LIABLE TO BE DISQUALIFIED AND OR IGNORED.

PLEASE VISIT www.bhel.com or www.bhelhwr.co.in for more details and tender documents.

Please also down load Vendor Registration Form and submit same dully filled.

Thanking You,

Yours Faithfully,
For & On behalf of CFFP BHEL Hardwar

(L.P. Badoni)
Executive (Pur)

Note: Corrigendum if any shall not be published, kindly refer web for any changes.



ANNEXURE-I

TERMS & CONDITIONS

1. Submit the tender in two parts i.e.

Part-I Techno- Commercial Bid

Part-II Price Bid

Technical / Commercial (part one) & Price Bid (part two) should be put in separate sealed envelopes. Both envelopes should be superscribed with **Tender Number, Date of Opening & Technical / Commercial Bid** and **Price Bid** respectively along with **name of firm**.

Both the envelopes i.e. containing Technical / Commercial Bid and Price Bid should again be kept in one envelope super scribed again with Tender No. and Date of Opening and the name of firm submitting the tender.

Part-I Envelopes super scribed with Techno-Commercial Bid must contain all information especially:-

(a) Specification of the material offered should be strictly as per CFFP/BHEL specifications/requirements/drawings which ever are applicable of Enquired material in tender documents including Packing and size as applicable. **Deviations of any kind will not be accepted.**

(b) All commercial terms i.e. packing, forwarding, ST/STT/VAT/CST, Excise duty, Bank Charges, payment terms & Insurance etc. Mention present rate of applicable taxes & duties even if inclusive in rates.

(c) Confirm to submit all required commercial documents (tax invoice, cenvatable duplicate copy of invoice, packing list, transit sale agreement etc.)& technical documents (TC/GC/QP etc.)

(d) Registration Numbers of SSI, Central Excise, Sales tax, Income tax, DGS & D, ECC etc.

(e) **Un-priced copy of Price Bid.**

Part-II Envelopes super scribed with Price Bid should contain priced copy of Price Bid. The price should be mentioned both the figures and words.

2. Authorized Signatory should authenticate all tender documents.

3. Techno-commercial bid (Part-I) will be opened on the due date at 2.00 PM. In the presence of participating vendors or authorized representatives, who may wish to be present. Representative deputed to witness tender opening must produce an authority letter from the signatory of offer. After evaluation of technical bids & finalization of technical, commercial terms & condition, price bid of only successful vendors will be opened. Priced bid opening date will be intimated separately.

4. The material offered must conform to the required BHEL specification/requirements/drawings of the latest revision.

5. Original Test Certificate from the Manufacturers or Government or Recognized Test House shall have to be produced as applicable without any extra cost. This may please be clearly confirmed in the quotation without which the offer may not be considered.

6. Validity of offers should be minimum of **45 working days** from the date of Tender (Tech Bid) opening.

7. Delivery in the promised period is the essence of contract. Confirm to supply according to delivery schedule.

8. Payment Term should be within 30 days after receipt and acceptance of material through E-Payment mode.

9. CFFP/BHEL Hardwar reserves the right to accept or reject any or all tenders as well as quantity without assigning any reason there of.

10. Tender not submitted in the prescribed manner is likely to be ignored/ rejected.

11. CFFP, BHEL, HARIDWAR may opt for **E-auction/Reverse auction** for obtaining best prices for part or full Tendered Quantity and reserves right to place order for part ,full on nil quantity without assigning any reasons thereof .


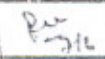

12.For new Vendor which means those who are registered recently and or have not been able to fetch and or execute the order satisfactorily shall have to accept payment term as 30 days after receipt and acceptance of material through E-Payment .The total quantity liable to be ordered may be subject to previous lot wise performances .

13. Please do intimate the personal contact details like Mobile Number, Email–Id, etc of authorized executive for correspondence.

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संस्थान क्रय विनिर्देश (सी.एफ.एफ.पी. - हरिद्वार)		FF 05066 Rev 03																																												
PLANT PURCHASE SPECIFICATION (CFPP - HARDWARE)		पृष्ठ 1 of 5																																												
HEAVY DUTY BRICKS FOR VAD/VOD LADLES AND E.A.F.																																														
1. SCOPE This specification governs the quality requirements of bricks having superior quality for VAD and VOD ladles & EAF.																																														
2. APPLICATION Used as refractory bricks for VAD VOD Ladles and EAF.																																														
3. CONDITION OF DELIVERY The different types of bricks shall be supplied in sizes as indicated at page 3 of this specification.																																														
4. TEST SAMPLES : As per IS : 1528																																														
5. PROPERTIES : When tested in accordance with the relevant clauses of IS-1528 or Equivalent International Standard, the test sample shall show the following values.																																														
<table border="1"><thead><tr><th>Sr. No.</th><th>Content</th><th>DBCM-SPL Bricks Direct Bonded Chrome-magnesia bricks.</th><th>RBMC-SPL Bricks Resin Bonded magnesia-carbon bricks.</th></tr></thead><tbody><tr><td colspan="4">5.1 CHEMICAL COMPOSITION</td></tr><tr><td>a)</td><td>MgO (%)</td><td>60.0 % min</td><td>94.5 % min</td></tr><tr><td>b)</td><td>SiO₂ (%)</td><td>1.0 % max</td><td>1.5 % max</td></tr><tr><td>c)</td><td>Al₂O₃ (%)</td><td>7.0 % max</td><td>0.65 % max</td></tr><tr><td>d)</td><td>CaO (%)</td><td>1.0 % max</td><td>2.0 % max</td></tr><tr><td>e)</td><td>Cr₂O₃ (%)</td><td>20.0 % max</td><td></td></tr><tr><td>f)</td><td>Residual Carbon</td><td></td><td>12.0 % max (By British coking test)</td></tr><tr><td>5.2</td><td>P.D (gm/cm³)</td><td>3.0 min</td><td>2.90 min</td></tr><tr><td>5.3</td><td>A.P. (%)</td><td>1.5 max</td><td>5 max</td></tr><tr><td>5.4</td><td>C.C.S (N/mm²)</td><td>15 min</td><td>35 min</td></tr></tbody></table>			Sr. No.	Content	DBCM-SPL Bricks Direct Bonded Chrome-magnesia bricks.	RBMC-SPL Bricks Resin Bonded magnesia-carbon bricks.	5.1 CHEMICAL COMPOSITION				a)	MgO (%)	60.0 % min	94.5 % min	b)	SiO ₂ (%)	1.0 % max	1.5 % max	c)	Al ₂ O ₃ (%)	7.0 % max	0.65 % max	d)	CaO (%)	1.0 % max	2.0 % max	e)	Cr ₂ O ₃ (%)	20.0 % max		f)	Residual Carbon		12.0 % max (By British coking test)	5.2	P.D (gm/cm ³)	3.0 min	2.90 min	5.3	A.P. (%)	1.5 max	5 max	5.4	C.C.S (N/mm ²)	15 min	35 min
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रिक्त को खाली Blank & DATE		संस्थान क्रय विनिर्देश (सी.एफ.एफ.पी - हरिद्वार) PLANT PURCHASE SPECIFICATION (CFFP - HARDWARE)	FF 05066 Rev 03 पृष्ठ का Page 2 of 5
सप्लायर को सूचित Supplier to be informed	सप्लायर को सूचित Supplier to be informed	<p>6. INSPECTION</p> <ul style="list-style-type: none">CFFP/BHEL reserves the right to inspect the material at vendor's premises before despatch. Therefore the supplier should intimate in advance, about the readiness of material alongwith a copy of the test certificate.However, Final inspection will be done at CFFP and the results of analysis and properties of material the decision of CFFP shall be final and binding on the supplier.If the material is not found suitable according to the requirements, it shall be replaced free of cost by the supplier. <p>7. CLEARANCE FOR DELIVERY</p> <p>7.1 For any deviation from this specification the supplier should seek written confirmation from CFFP before dispatch.</p> <p>7.2 The clearance does not release the supplier from the responsibility for any non-conformances detected later on.</p> <p>8. TEST CERTIFICATE</p> <p>The supplier shall furnish 4 copies of the test certificates for the material. The test certificate shall include the following details:-</p> <ul style="list-style-type: none">8.1 Supplier's Name/emblem.8.2 P.O.No.8.3 Material description & specification.8.4 Batch No/ Lot No. if any.8.5 Test results as per clause 5.0. <p>9. PACKING AND MARKING</p> <p>The material shall be suitably packed for ease of handling and to avoid damage during transit. Each consignment shall be legibly marked with following information :-</p> <p>BHEL Order No. Manufacture Name Batch/Lot No, if any Qty.</p>	
COPYRIGHT AND CONFIDENTIAL The information on this document is the property of Bharat Heavy Electricals Limited. It must not be used or disclosed in any way prejudicial to the interest of the company.			
	सप्लायर को सूचित Supplier to be informed		
सप्लायर को सूचित Supplier to be informed	Date 07.06.07	WORKED BY RAJIV KUMAR CHECKED BY S.V.S. NARAYANA	 

3

संस्थान क्रय विनिर्देश (सी.एफ.एफ.पी - हार्डवेयर) PLANT PURCHASE SPECIFICATION (CFFP - HARDWARE)	संस्थान का लोगो	FF-05066 Rev 03
	पृष्ठ का Page 3 of 5	
	Types of Bricks	

Description	Size	a (mm)	b (mm)	h (mm)	l (mm)	r (mm)	A (Degree)
1. Bricks for lining of 30T and 10T EAF.	30 20	160	140	300	100	2100	-
	30:40	170	130	300	100	975	-
2. Bricks for lining of VAD ladles.	SU 745X for Ladle	210	185.2	100	177.8		8
	SU 645X for Ladle	210	188.7	100	152.4		8
	Bottom Bricks for Ladle	225	250	100	-	-	-

**BRICKS FOR LINING OF 70T EAF
(QUANTITY INDICATED BELOW IS FOR ONE SET)**

S.No.	Bricks Size	Quality	Quantity
1.	400 * 190 110*100 MM	RBMC-SPL BRICKS	48 Nos
2.	- do -	DBCMI - SPL BRICKS	20 Nos
3.	400*170/130*100 MM	RBMC- SPL BRICKS	252 Nos
4.	400*170/130*100 MM	DBCMI-SPL BRICKS	147 Nos
5.	400*160/140*100 MM	RBMC-SPL BRICKS	180 Nos
6.	400*160/140*100 MM	DBCMI-SPL BRICKS	180 Nos
7.	350*170/130*100 MM	RBMC-SPL BRICKS	24 Nos
8.	350*160/140*100 MM	RBMC-SPL BRICKS	342 Nos
9.	400*150/100 MM	RBMC-SPL BRICKS	274 Nos
10.	400*150/100 MM	DBCMI-SPL BRICKS	128 Nos
11.	350*150/100 MM	RBMC-SPL BRICKS	128 Nos

DIMENSIONAL TOLERANCE: $\pm 1.5\%$ or 2 mm whichever is greater.

Date. 07.06.07	WORKED BY	RAJIV KUMAR	
	CHECKED BY	S V S NARAYANA	

CONFIDENTIAL

संस्थान क्रय विनिर्देश (सी.एफ.एफ.पी - द्वितीय)

FF 05066
Rev 03

पृष्ठ का .
Page 1 of 5

PLANT PURCHASE SPECIFICATION

(CFFP - HARDWARE)

REF. NO. FIRST
SIGN & DATE

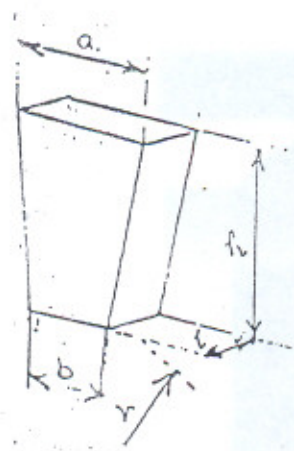


SUPPLIES INVENTORY

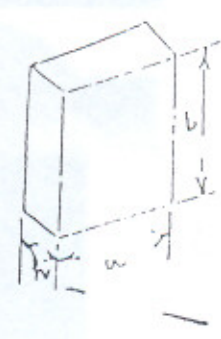
1. *What is the purpose of the study?*
 2. *What are the research questions?*
 3. *What are the hypotheses?*
 4. *What are the variables?*
 5. *What are the methods?*
 6. *What are the results?*
 7. *What are the conclusions?*
 8. *What are the implications?*
 9. *What are the limitations?*
 10. *What are the future directions?*

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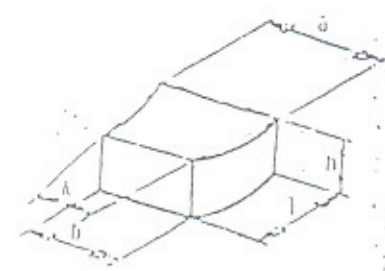
10



SIZE: 30/20 & 30/40



BOTTOM
BRICK



SIZE: SU745X & SU645X

Date: 07.06.07

WORKED BY	DATE
CHECKED BY	

RAJIV KUMAR
S.V.S.NARAYANA

RV
Laguna

①

CONTROLLED COPY

BHEL	PLANT PURCHASE SPECIFICATION	FF 05000
	C.F.F.P. HARDWARE	PAGE 5 OF 5

REVISION RECORD SHEET

S. No.	Revision No.	Revision date	Nature of Changes
01.	01	24.01.05	➤ "Type of Bricks" on Page-3 modified- dim. 180 changed to 100 for "Bottom bricks" only.
02.	02	18.11.05	➤ Table added for "LINING BRICKS OF 70T EAF" on page no-3
03.	03	07.06.07	➤ Clause 5,6,7,8 & 9 modified

ISSUED:	SMS TECHNOLOGY	WORKED	P.S.C
REVISION	03	DATE: 07.6.07	CHECKED
AGREED	PLANT PUR. SPEC.COMMITTEE	APPROVED	P.P.S.C



निविदा सूचना
TENDER ENQUIRY

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
Bharat Heavy Electricals Ltd
सेन्ट्रल फाउन्ड्री फोर्ज प्लांट- हरिद्वार-249 403 (भारत)
Central Foundry Forge Plant, Hardwar-249 403 INDIA

Phone : (0091) (133) 485356, 485269

• Telefax : (0091) (133) 425892 • Telex : 05909-213

UPTT NO. HR-0041496 Dt. 01-04-1994
C S T NO. HR-5018287 Dt. 16-03-1995

निविदा सूचना सं. ENQUIRY NO.*	5416/P/351 /8/1442K/1	दिनांक Date	10.10.2008
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कृपया निम्नलिखित के लिए निविदा दें। PLEASE QUOTE FOR THE FOLLOWING :

ENQUIRY DUE DATE: 25.10.2008

Vendor Code: T09285

To,

BHEL Phone: 01334-285326, 285356

FAX: 01334-225892

INDIA

Attn:

SL NO	MATERIAL CODE MATERIAL DESCRIPTION	UNIT	TOTAL QTY	DELIVERY LOT	SCHEDULE DELY_DT
1	FF2618082010 HEAVY DUTY BRICKS FOR 70 TON ELECTRIC ARC FURNACE SPEC: FF05066,REV.03	ST	5	5	4 before 30-12-2008 1 before 31.01.2009

- 1 This enquiry is 2 part tender. Techno-Commercial bid (Part - 1) and Price Bids (Part-2) should be submitted in separate envelopes. These two envelopes should be submitted in a common sealed envelope. Techno-Commercial Bid shall contain detailed Technical Specification, Drawings, Technical documents, Catalogues, taxes & duties, payment terms, delivery period, Validity of offer, Replica of Price Bid (Copy of price bid without price part) etc. The confirmation to the special terms & conditions must be submitted alongwith Techno-Commercial bid. Price bid (Part - 2) shall contain only prices.
 - 2 TEST CERTIFICATE REQUIRED AS PER SPECIFICATIONS.
 - 3 GUARANTEE CERTIFICATE REQUIRED AS PER SPECS. ALONGWITH DESPATCH DOCUMENTS
 - 4 BASIC RATES, TAXES, DUTIES AND OTHER CHARGES MUST BE SPECIFIED SEPERATELY.
 - 5 CONFIRMATION IS REQUIRED THAT CENVATABLE DUPLICATE COPY OF TRANSPORTER INVOICE SHALL BE PROVIDED FOR AVAILING CENVAT BENEFIT.
 - 6 INSPECTION SHALL BE CARRIED OUT AFTER RECEIPT OF MATERIAL IN CFFP. SPECN. IS ENCLOSED.
- QTY 5 SET INPLACE OF 1 SET.
- ** Please submit authorization letter (format enclosed) for facilitating e-payment/electronic transfer of funds
- ** 100% payment within 30 days after receipt & acceptance of material at CFFP BHEL, Hardwar through e-payment.
- ** CFFP/BHEL Reserves the right to procure from more than one vendor.

For BHARAT HEAVY ELECTRICALS LIMITED

(L.P. BADONI)
EXECUTIVE (PUR)

You may contact the signatory at email: satul@bhelhwr.co.in

★ महत्वपूर्ण : कृपया कोटेशन देने से पूर्व पीछे दिए गये अनुदेशों को ध्यानपूर्वक पढ़िये।

IMPORTANT : PLEASE READ CAREFULLY THE INSTRUCTIONS GIVEN ON REVERSE BEFORE QUOTING

AUTHORISATION LETTER
FOR E-PAYMENT/ELECTRONIC FUNDS TRANSFER (EFT/RTGS)
PLEASE FILL UP THE FORM IN CAPITAL LETTERS ONLY

TYPE OF REQUEST (Tick One) ☐ CREATE ☐ CHANGE

BHEL Vendor/ Supplier Code

Company's Name

Address

City

Pincode

State

Contact Person(S)

Telephone NO.

FAX. No.

e-mail id

1. Bank Name

2. Bank Address

3. Bank Telephone No.

4. Bank Account No.

5. Account Type.

6. Bank's Branch Code

7. Bank Swift Code

(applicable to EFT only)

8. Enclose blank cancelled cheque

DECLARATION

1. I as representative/Owner of the above named company, hereby authorize BHEL CFFP, Ranipur, Haridwar to electronically make payments to the designated bank account. I hereby certify that the particulars given above are true, complete and correct.

(2) If the transsation is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold BHEL/transfereing Bank responsible.

3. This authority remains in full force untill BHEL, CFFP, Ranipur, Haridwar receives & acknowledge written notification requesting a change or cancellation.

4. I have read the contents of the covering letter and agree to discharge the responsibilty expected of me as a participant under E-payment/EFT/RTGS.

Date:

Authorized Signatory

Designation

Company Seal

Verification By Bank

D