



ISO 9001:2000  
&14001:2004  
NAVARATNA  
COMPANY

सामग्री प्रबन्धन (क्रय विभाग)

**MATERIAL MANAGEMENT(PURCHASE)**

सेन्ट्रल फाउन्ड्री फोर्ज प्लांट, भारत हेवी इलेक्ट्रिकल्स लिमिटेड

**CENTRAL FOUNDRY FORGE PLANT, BHEL HARDWAR**

रानीपुर, हरिद्वार (भारत)

**RANIPUR, HARIDWAR (INDIA) – 249403**

Phone No. +91-1334-281639/284548, FAX No. 225892

e-mail : [rohit\\_v@bhelhwr.co.in](mailto:rohit_v@bhelhwr.co.in)

## **CORRIGENDUM**

Tender Enquiry No. - 1242/P/351/8/1570E/1 dated 28/02/2009 due on 03 April'2009.

Item - Chromite Sand, Specn: FF53685 Rev.03

Date of opening - 03 April '2009

QUANTITY TO BE READ AS 600 MT IN PLACE OF 20 MT PUBLISHED  
INADVERTANTLY EARLIER.

This has been duly corrected and now changed to 600 MT.

All other terms & conditions same.

Thanking You,

Yours Faithfully,  
For & On behalf of CFFP BHEL Hardwar

(Rohit Varshney)  
Executive (Pur)

**Note:** Corrigendum if any shall not be published, kindly refer web for any changes.



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Phone No. +91-1334-281639/284548, FAX No. 225892

**e-mail : rohit\_v@bhelhwr.co.in**

M/S

**Sub:** Tender Enquiry No. 1242/P/351/8/1570E/1 dated 28/02/2009 due on 03 April'2009.

Dear Sir,

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

SI No	Tender No	Description of Material	Qty MT	Date & Time of Opening
01	1242/P/351/8/1570E/1	Chromite Sand Specn:FF53685 Rev.03	600	03/04/2009

**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](http://www.bhel.com) or [www.bhelhwr.co.in](http://www.bhelhwr.co.in) for more details and tender documents.

Please also download Vendor Registration Form and submit same duly filled.


Thanking You,

Yours Faithfully,  
For & On behalf of CFFP BHEL Hardwar

(Rohit Varshney)  
Executive (Pur)

**Note:** Corrigendum if any shall not be published, kindly refer web for any changes.

15

DATE		संस्थान क्रय विनिर्देश (सी.एफ.एफ.पी. - हरिद्वार)	FF53685 Rev 03											
		PLANT PURCHASE SPECIFICATION (CFFP - HARDWAR)	पृष्ठ का Page 1 of 4											
INVENTORY NO.	<b>CHROMITE SAND FOR USE IN FOUNDRIES</b>													
	<p>1. General:</p> <p>This specification covers the requirements of Chromite sand for use in foundries.</p> <p>2. Application:</p> <p>The Chromite sand shall be used for facing of pattern and core boxes in mould and core making.</p> <p>3. Compliance with national standard:</p> <p>This specification is based on IS-6788:1973, reaffirmed 1997.</p> <p>4. Physical and Chemical Characteristics:</p> <p>4.1 Chromite sand grains shall be crystalline, mostly sub-angular in shape.</p> <p>4.2 The material shall have shining black appearance and shall be free from foreign material, e.g. low melting point minerals, carbonates.</p> <p>4.3 Chemical Composition:</p> <p>Chromite sand shall have typical analysis as under:</p> <table border="0"> <tr> <td>Cr<sub>2</sub>O<sub>3</sub></td> <td>46% Min.</td> </tr> <tr> <td>Fe<sub>2</sub>O<sub>3</sub></td> <td>27% Max</td> </tr> <tr> <td>MgO</td> <td>12% Max</td> </tr> <tr> <td>Al<sub>2</sub>O<sub>3</sub></td> <td>16.5% Max.</td> </tr> <tr> <td>SiO<sub>2</sub></td> <td>1.1% Max.</td> </tr> <tr> <td>CaO</td> <td>0.5% Max</td> </tr> </table> <p>4.4 Clay - 0.5 % max.</p> <p>4.5 Moisture - 0.2% max.</p> <p>4.6 pH value of sand shall be in between 6.5 and 8.0</p> <p>4.7 Turbidity - 210 ppm max.</p>			Cr <sub>2</sub> O <sub>3</sub>	46% Min.	Fe <sub>2</sub> O <sub>3</sub>	27% Max	MgO	12% Max	Al <sub>2</sub> O <sub>3</sub>	16.5% Max.	SiO <sub>2</sub>	1.1% Max.	CaO
Cr <sub>2</sub> O <sub>3</sub>	46% Min.													
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MgO	12% Max													
Al <sub>2</sub> O <sub>3</sub>	16.5% Max.													
SiO <sub>2</sub>	1.1% Max.													
CaO	0.5% Max													
RMI MPIC CHAIRMAN CPSC सहमत विभाग AGREED DEPTT	KBS MANYAM. RANJAN B RAHA नाम NAME	अनुवादक TRANSLATED BY T DAVE कार्यकर्ता WORKED BY AKC / YNVRAO परीक्षणकर्ता CHECKED BY N KHAN परीक्षणकर्ता SUPERVISED BY तारीख DATE & SIGNATURE	संस्थान मानक समिति APPROVED : PLANT STANDARDS COMMITTEE तैयारी : फाउंड्री टेक्नालॉजी ISSUED : FOUNDRY TECHNOLOGY तिथि : DATE 27.2.07											





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

**PLANT PURCHASE SPECIFICATION**  
(CFFP - HARDWAR)

FF 53685 Rev 03

पृष्ठ 2 का  
Page 2 of 4

**5. Grain size & distribution:**

5.1 The Grain Fineness No.(GFN) of chromite sand shall be AFS 45 to 55 .  
Grain distribution:

Total retention on ASTM Sieve Nos.50, 70 and 100 shall be 70% min.  
(Sizes corresponding Sieve Nos. 50, 70 and 100 are 300, 212 and 150 microns)

5.2 Fines i.e. grains having size less than 150 microns ( -100 ASTM) shall be 4.0% max.

**6. Sampling:**

Samples shall be drawn in accordance with IS-1811: 1961 for testing purposes.

**7. Inspection, Deviation and Replacement:**

7.1 BHEL reserves the right to inspect material at site before despatch. The supplier shall intimate in advance about readiness of material enclosing a copy of test certificate of the material offered for inspection. However inspection at BHEL shall be final. The supplier shall offer BHEL representative all reasonable facilities without charge to satisfy the latter that the material being furnished is in accordance with this specification. The supplier shall prepare and provide necessary test specimens for testing to be carried out at his premises. If facilities are not available at his works, the supplier shall make necessary arrangements for carrying out the prescribed tests elsewhere.

7.2 The material shall be tested in CFFP/BHEL as per Clause 4,5,6,7 for new suppliers. For established supplier, the testing shall be done on surveillance basis.

7.3 If the material received at CFFP is not found in accordance with the requirements, it shall be rejected and the supplier will have to replace it free of cost at the earliest.

7.4 For any deviation from the specification sought by the supplier, prior approval of BHEL must be obtained in writing.

**8. Test Certificates:**

For every batch the supplier shall give three copies of test certificates with following information:




- Supplier's Name
- BHEL PO No. with Date
- Physical and Chemical characteristics as per Clause No. 4;
- Grain size and distribution as per Clause No. 5

निर्मितकर्ता  
WORKED BY




T DAVE

जांचकर्ता  
CHECKED BY

AKC /  
YNVR

SIGN & DATE		<b>संस्थान क्रय विनिर्देश (सी.एफ.एफ.पी - हार्डवेयर)</b> <b>PLANT PURCHASE SPECIFICATION</b> (CFFP - HARDWAR)		<b>FF 53685 Rev 03</b> पृष्ठ का Page 3 of 4	
		<b>9. Packing and Marking:</b>		01	
INVENTORY NO.	9.1 Chromite sand shall be packed in either 50 Kg. bags or 1/1.5 MT Jumbo bags. However, adequate protection from moisture pickup/contamination during transportation and storage shall be provided.				
	9.2 The bags containing chromite sand shall be clearly marked with the following:  Supplier' name Name of the material Net weight				
SIGN & DATE	The information on this document is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company.				
	The information on this document is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company.				
वर्क			निर्माजकर्ता WORKED BY	T DAVE	
			जांचकर्ता CHECKED BY	AKC / YNVR	



SIGN & DATE		संस्थान क्रय विनिर्देश (सी.एफ.एफ.पी - हार्डवेयर) <b>PLANT PURCHASE SPECIFICATION</b> (CFFP - HARDWAR)		<b>FF53685 Rev 03</b> पृष्ठ का Page 4 of 4		
		RECORD OF CHANGES <span style="float: right;">01</span>				
INVENTORY NO	REV CODE	NO. OF CHANGES	DOCU. NO.	SHEET NO.	SIGN	DATE
	01	1. Clause 6.4 added. 2. Clause 8 modified.		2		29.08.03
	02	1. Clause no. 4,5 and 6 modified. 2. TC requirement modified.		1 and 2 3		25.10.06
	03	1. Clause No. 4.3 modified and 4.8 deleted		1		27.02.07
DISTRIBUTION OF PRINTS						
RMI			✓			
STANDARD SECTION			✓			
MPIC			✓			
				डिजाइनकर्ता WORKED BY	T DAVE	
				जांचकर्ता CHECKED BY	AKC / YNVR	

The information on this document is the property of Bharat Heavy Electricals Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company.

संस्थान की संपत्ति है इसका प्रयोग एवं प्रसारण केवल के निर्देशों की आवश्यकता के बिना नहीं होना चाहिए।

Manufactured by Bharat Heavy Electricals Limited





**निविदा सूचना**  
**TENDER ENQUIRY**

AA-17001

Phone : (0091) 01334-285356, 285326

**भारत हैवी इलेक्ट्रिकल्स लिमिटेड**  
**Bharat Heavy Electricals Ltd**

सेन्ट्रल फाउन्ड्री फॉर्ज प्लांट - हरिद्वार - २४६४०३ (भारत)

**Central Foundry Forge Plant, Harwar-249403 (INDIA)**

Fax : 01334-225892/226458

UPTT NO. HR-0041486 DL 01-04-1994  
C S T NO. HR-5018287 DL 16-03-1995

निविदा सूचना सं. ENQUIRY NO. \*

1242/P/351 /8/1570E/1

दिनांक Date

28.02.2009

कृपया निम्नलिखित के लिए निविदा दें। PLEASE QUOTE FOR THE FOLLOWING :

ENQUIRY DUE DATE: 03.04.2009

Vendor Code: T09285

To,

BHEL Phone: 01334-285336

FAX: 01334-225892

INDIA

Attn:

SL NO	MATERIAL CODE MATERIAL DESCRIPTION	UNIT	TOTAL QTY	DELIVERY LOT QTY	SCHEDULE DELY_DT
1	FF5365785010 CHROMITE SAND SPEC: FF53685 REV.03	KG	600000	1 150000 2 150000 3 150000 4 150000	before 30.06. before 30.07. before 30.08.2009 before 30.09.
	DIM : S				

- 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.
- SPECIAL INSTRUCTION:-

- (A) VALIDITY OF OFFER SHOULD BE MIN 90 DAYS FROM DATE OF OPENING.
- (B) OFFER MUST BE SUBMITTED STRICTLY IN LINE WITH SPECIFICATION, TERMS & CONDITIONS OF ENQUIRY ELSE OFFER MAY LIKELY BE IGNORED.
- (C) ALL TAXES/DUTIES/LEVIES ETC. MUST BE SPECIFIED SEPERATELY IN AMOUNT OR IN PERCENTAGE. INCOMPLETE OFFER SHALL NOT BE ACCEPTABLE.
- (D) PLEASE QUOTE ON F.O.R. DESTINATION (CFFP/BHEL), FREIGHT PRE PAID BASIS ONLY.
- (E) SPECIFICATION NO. FF53685 REV.03 ARE ENCLOSED.
- (F) TERMS & CONDITIONS ARE ENCLOSED.

-----contd.-----





**निविदा सूचना**  
**TENDER ENQUIRY**

AA-17001

Phone : (0091) 01334-285356, 285326

**भारत हैवी इलैक्ट्रिकल्स लिमिटेड**  
**Bharat Heavy Electricals Ltd**

सेन्ट्रल फाउन्ड्री फॉर्ज प्लांट - हरिद्वार - २४६४०३ (भारत)

**Central Foundry Forge Plant, Hardwar-249403 (INDIA)**

Fax : 01334-225892/226458


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

निविदा सूचना सं. ENQUIRY NO.★	1242/P/351 /8/1570E/1	दिनांक Date	28.02.2009
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कृपया निम्नलिखित के लिए निविदा दें। PLEASE QUOTE FOR THE FOLLOWING :

- \*\* 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

  
(ROHIT VARSHNEY)  
ENGINEER (PURCHASE)

You may contact the signatory at email: [shantanu@bhelhwr.co.in](mailto:shantanu@bhelhwr.co.in)



**GENERAL TERMS AND CONDITIONS OF TENDER ENQUIRY****ANNEXURE-A**

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

**Part-I Techno-Commercial Bid****Part-II Price Bid**

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

Both the envelopes i.e. containing Techno-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 and sent by Registered A/D post to **AGM(MM),Purchase Department ,CFFP ,BHEL Hardwar,Ranipur ,Hardwar 249403.Uttarakhand ,India**

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 of Enquired material in tender documents. **Deviations if any must be indicated clearly in the offer . Rates to be quoted on For Destination Basis.**
- (b) All commercial terms i.e. packing, forwarding, Custom Duty ,Additional Duty ,ST/STT/VAT/CST, Excise duty/CVD , Bank Charges, payment terms & Insurance etc as applicable should be clearly mentioned **except Price** .Also 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 **in 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 specifications and drawings as well as instructions and details made available .

5. **Eligibility :**

For new vendors quoting for this item, Vendor Registration form duly filled must be submitted alongwith the offer Vendor Registration Form can be downloaded from our web site [www.bhel.com](http://www.bhel.com) or [www.bhelhwr.co.in](http://www.bhelhwr.co.in).

6. **Original Test Certificate (ink signed) & other related Documents** from the Manufacturers or Government or Recognized Houses 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.

7. **Validity** of offers should be minimum of **90 working days** from the date of Tender (Techno-Commercial Bid) opening.
8. **Delivery** in the promised period is the essence of contract. Confirm to supply according to delivery schedule mentioned.
9. **Payment Term** 100% Payment within 30 days after receipt and acceptance of material at CFFP through e-payment.
10. CFFP/BHEL Hardwar reserves the right to accept or reject any or all tenders without assigning any reason there of.
11. Tenders not submitted in the prescribed manner are likely to be ignored/ rejected.
12. **Agent /Agency Commission:** Payment of any kind at any stage will not be made to Agent on account of agent commission or otherwise by CFFP BHEL Hardwar.
13. CFFP, BHEL, HARIDWAR may opt for **E-auction/Reverse auction** for obtaining best prices for part or full Tendered Quantity. BHEL also reserve the right to negotiate price with L1 vendor after reverse auction.
14. Please do intimate the personal contact details like Mobile Number, Email–Id, etc of authorized executive for correspondence.
15. **Penalty** : Orders placed against this Enquiry will be subject to normal clauses for imposing Penalty, Liquidated Damages, Risk purchases, cancellation ,arbitration as per terms and conditions of Tender Enquiry and Purchase Orders in case of delay in effecting supply and or other defaults .
16. **Inspection** :CFFP BHEL Hardwar inspection after receipt shall be final and binding . BHEL may inspect at Vendor's work also. BHEL may nominate any testing house for inspection .The report shall be final and binding to both concerned .In case store is found defective during warranty period ,the same will be returned for repair (if not possible in India by Vendor) and or replacement .For this Vendor has to bear all the charges such as Freight ,i.e. to and fro ,insurance etc .Bank Guarantee for the equal amount to the cost of the item is to be furnished by Vendor. In case the repair is done at CFFP/BHEL the amount on actual shall have to be reimbursed by the Vendor and or adjusted on actual from their Bill.
17. **Disputes** : In event of any dispute arising out of Contractual obligation ,the order being finalized at Hardwar ,India will be subject to Indian Laws and falls under jurisdiction of the Court of Law at New Delhi ,India .The overseas supplier hereafter referred to as "Vendor"shall therefore ,abide by the verdict of Court of Law at Hardwar ,India as may occur .  
-OR All disputes arising out of or in connection with the present contract ,if any ,shall be finally settled under the rules of arbitration of International Chamber of commerce by one or more arbitrator appointed in accordance with the said Rules in India .
18. BHEL reserve the right to place P.O. for part / full qty and on one or more than one sources.