



ISO 9001:2008  
&14001:2004  
NAVARATNA  
COMPANY

**MATERIAL MANAGEMENT (PURCHASE)**  
**CENTRAL FOUNDRY FORGE PLANT, BHEL HARDWAR**  
**RANIPUR, HARIDWAR (INDIA) – 249403**  
Phone No.+91-1334-281277/284684, FAX No. 225892  
**e-mail : lpbadoni@bhelhwr.co.in; rohit\_v@bhelhwr.co.in**

**Sub:** Tender Enquiry No: 5430/P/351/3/0383C1 due on 20.12.13, at 2.00 PM

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	Date & Time of Opening
01	5430/P/351/3/0383C1	Refractories (30 items)	As per enquiry	20.12.13 at 2.00 PM

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

Unregistered vendors should download Vendor Registration Form and submit same duly filled along with offer.

Thanking You,

Yours Faithfully,  
For & On behalf of CFFP, BHEL, Hardwar

(L.P.Badoni)  
Sr A.O (Purchase)

**Note:** Corrigendum if any shall not be published, kindly refer websites for any changes.



निविदा सूचना  
**TENDER ENQUIRY**

भारत हैवी इलेक्ट्रिकल्स लिमिटेड  
**Bharat Heavy Electricals Ltd**  
सेन्ट्रल फाउन्ड्री फॉर्ज प्लांट- हरिद्वार - २४६४०३ (भारत)  
**Central Foundry Forge Plant, Haridwar-249403 (INDIA)**

Phone : (0091) 01334- 281639,281385,285336 Fax : 01334 225892 / 226458

TIN NO. 05001763485  
C S T NO. HR-5018287 Dt. 16-03-1995

निविदा सूचना सं. ENQUIRY NO.*	5430 P/ 351/3/0383C1	दिनांक Date	27-11-2013
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कृपया निम्नलिखित के लिए निविदा दें। PLEASE QUOTE FOR THE FOLLOWING :

M/S. ::

DUEDATE

20-12-2013

::

:

Vendor Code

09285

INDIA

SL	MATERIAL CODE ITEM DESCRIPTION	QUANTITY	UNIT	LOTNO	LOT DELIVERY QTY SCHEDULE
1	FF5330599059 REFRACTORY INGATES DRAWING NO. 03/009/4 (REV.03) <del>Spec Rev not available ??????????????????</del> SIZE: DIA. 80 MM DIM.: S	1000	PR		As per annexure A FF06010REV03
2	FF5338060043 REFRACTORY POURING CUP DRAWING NO. FT-11-19 REV.04 <del>Spec Rev not available ??????????????????</del> SIZE: DIA. 150 MM DIM.: S	75	NO		As per annexure A FF06010REV03
3	FF5331095038 REFRACTORY SLEEVES-HT"H"MM DRAWING NO. 03/009/1 REV.04 <del>Spec Rev not available ??????????????????</del> SIZE: DIA.60 MM DIM.: S	3000	NO		As per annexure A FF06010REV03
4	FF5331095046 REFRACTORY SLEEVES-HT"H"MM DRAWING NO. 03/009/1 REV.04 <del>Spec Rev not available ??????????????????</del> SIZE: DIA.70 MM DIM.: S	10000	NO		As per annexure A FF06010REV03
5	FF5331095054 REFRACTORY SLEEVES-HT"H"MM DRAWING NO. 03/009/1 REV.04 <del>Spec Rev not available ??????????????????</del> SIZE: DIA.80 MM DIM.: S	15000	NO		As per annexure A FF06010REV03
6	FF5331095062 REFRACTORY SLEEVES-HT"H"MM	10000	NO		As per annexure A

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**Bharat Heavy Electricals Ltd**  
सेन्ट्रल फाउन्ड्री फॉर्ज प्लांट- हरिद्वार - २४६४०३ (भारत)  
**Central Foundry Forge Plant, Haridwar-249403 (INDIA)**

A-17001

Phone : (0091) 01334- 281639,281385,285336

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TIN NO. 05001763485

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

MATERIAL CODE QUANTITY UNIT LOTNO  
ITEM DESCRIPTION

- DRAWING NO. 03/009/1 REV.04 *ABadoni* *Asper annexure A*  
Spec ~~Rev not available~~ ??????????????????  
SIZE: DIA.90 MM *FF06010 Rev03*  
DIM.: S'
- 
- 7 FF5331095070 5000 NO *Asper annexure A*  
REFRACTORY SLEEVES-HT"H"MM  
DRAWING NO. 03/009/1 REV.04 *ABadoni*  
Spec ~~Rev not available~~ ??????????????????  
SIZE: DIA.100 MM *FF06010 Rev03*  
DIM.: S
- 
- 8 FF5331095089 9000 NO *Asper annexure A*  
REFRACTORY SLEEVES-HT"H"MM  
DRAWING NO. 03/009/1 REV.04 *ABadoni*  
Spec ~~Rev not available~~ ??????????????????  
SIZE: DIA.120 MM *FF06010 Rev03*  
DIM.: S
- 
- 9 FF5331095097 4000 NO *Asper annexure A*  
REFRACTORY SLEEVES-HT"H"MM  
DRAWING NO. 03/009/1 REV.04 *ABadoni*  
Spec ~~Rev not available~~ ??????????????????  
SIZE: DIA.150 MM *FF06010 Rev03*  
DIM.: S
- 
- 10 FF5331092047 800 NO *Asper annexure A*  
REFRACTORY SLEEVES 50 MM  
DRAWING NO. 03/009/1/1 REV.01 *ABadoni*  
Spec ~~Rev not available~~ ??????????????????  
SIZE: DIA. 70 MM *FF06010 Rev03*  
DIM.: S
- 
- 11 FF5331092063 500 NO *Asper annexure A*  
REFRACTORY SLEEVES 50 MM  
DRAWING NO. 03/009/1/1 REV.01 *ABadoni*  
Spec ~~Rev not available~~ ??????????????????  
SIZE: DIA. 90 MM *FF06010 Rev03*  
DIM.: S
- 
- 12 FF5331093043 800 NO *Asper annexure A*  
REFRACTORY SLEEVES H1 MM  
DRAWING NO. 03/009/1 REV.04 *ABadoni*  
Spec ~~Rev not available~~ ??????????????????  
*FF06010 Rev03*

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TENDER ENQUIRY

भारत हवी इलैक्ट्रिकल्स लिमिटेड  
Bharat Heavy Electricals Ltd  
सेन्ट्रल फाउन्ड्री फॉर्ज प्लांट- हरिद्वार - २४६४०३ (भारत)  
Central Foundry Forge Plant, Haridwar-249403 (INDIA)

EN-17001

Phone : (0091) 01334- 281639,281385,285336 Fax : 01334 225892 / 226458

TIN NO. 05001763485  
C S T NO. HR-5018267 Dt. 16-03-1995

निविदा सूचना सं. ENQUIRY NO.*	5430 PI 351/3/0383C1	दिनांक Date	27-11-2013
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कृपया निम्नलिखित के लिए निविदा दें। PLEASE QUOTE FOR THE FOLLOWING :

MATERIAL CODE	QUANTITY	UNIT	LOTNO	ITEM DESCRIPTION
13	800	NO	1	SIZE: DIA. 70 MM DIM.: S REFRACTORY SLEEVES H1 MM DRAWING NO. 03/009/1 REV.04 Spec Rev not available ?????????????????? SIZE: DIA. 90 MM DIM.: S <i>FF06010 Rev03</i> <i>Asperannexne A</i>
14	2500	NO	1	REFRACTORY KNEES DRAWING NO. 03/009/2 REV.C Spec Rev not available ?????????????????? SIZE: DIA. 70 MM DIM.: S <i>FF06010 Rev03</i> <i>Asperannexne A</i>
15	2000	NO	1	REFRACTORY KNEES DRAWING NO. 03/009/2 REV.C Spec Rev not available ?????????????????? SIZE: DIA. 80 MM DIM.: S <i>FF06010 Rev03</i> <i>Asperannexne A</i>
16	2000	NO	1	REFRACTORY KNEES DRAWING NO. 03/009/2 REV.C Spec Rev not available ?????????????????? SIZE: DIA. 90 MM DIM.: S <i>FF06010 Rev03</i> <i>Asperannexne A</i>
17	2800	NO	1	REFRACTORY KNEES DRAWING NO. 03/009/2 REV.C Spec Rev not available ?????????????????? SIZE: DIA. 100 MM DIM.: S <i>FF06010 Rev03</i> <i>Asperannexne A</i>
18	2000	NO	1	REFRACTORY TEES DRAWING NO. 03/009/3 REV.03 Spec Rev not available ?????????????????? SIZE: DIA. 70 MM DIM.: S <i>FF06010 Rev03</i> <i>Asperannexne A</i>

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TENDER ENQUIRY

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Bharat Heavy Electricals Ltd

सेन्ट्रल फाउन्ड्री फॉर्ज प्लांट- हरिद्वार - २४६४०३ (भारत)

Central Foundry Forge Plant, Haridwar-249403 (INDIA)

AA-17001

Phone : (0091) 01334- 281639,281385,285336

Fax : 01334 225892 / 226458

TIN NO. 05001763485

C S T NO. HR-5018287 Dt. 16-03-1995

निविदा सूचना सं. ENQUIRY NO.*	5430 P/ 351/3/0383C1	दिनांक Date	27-11-2013
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कृपया निम्नलिखित के लिए निविदा दें। PLEASE QUOTE FOR THE FOLLOWING :

MATERIAL CODE	QUANTITY	UNIT	LOTNO	ITEM DESCRIPTION
19 FF5330898064	4500	NO	1	REFRACTORY TEES DRAWING NO. 03/009/3 REV.03 Spec Rev not available ?????????????????? SIZE: DIA. 90 MM DIM.: S
			2	
20 FF5330898072	3000	NO	1	REFRACTORY TEES DRAWING NO. 03/009/3 REV.03 Spec Rev not available ?????????????????? SIZE: DIA. 100 MM DIM.: S
21 FF5330898080	1100	NO	1	REFRACTORY TEES DRAWING NO. 03/009/3 REV.03 Spec Rev not available ?????????????????? SIZE: DIA. 120 MM DIM.: S
22 FF5330898099	1100	NO	1	REFRACTORY TEES DRAWING NO. 03/009/3 REV.03 Spec Rev not available ?????????????????? SIZE: DIA. 150 MM DIM.: S
23 FF5334186026	300	NO	1	REFRACTORY REDUCERS DRAWING NO. 03/009/8 REV.03 Spec Rev not available ?????????????????? SIZE: DIA. 60/50 MM DIM.: S
24 FF5334186034	1700	NO	1	REFRACTORY REDUCERS DRAWING NO. 03/009/8 REV.03 Spec Rev not available ?????????????????? SIZE: DIA. 70/60 MM DIM.: S
25 FF5334186042	3000	NO	1	REFRACTORY REDUCERS DRAWING NO. 03/009/8 REV.03 Spec Rev not available ?????????????????? SIZE: DIA. 70/60 MM DIM.: S

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Bharat Heavy Electricals Ltd  
सेन्ट्रल फाउन्ड्री फोर्ज प्लांट- हरिद्वार - २४६४०३ (भारत)  
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MATERIAL CODE	QUANTITY	UNIT	LOTNO	ITEM DESCRIPTION
				REFRACTORY REDUCERS DRAWING NO. 03/009/8 REV.03 <i>XBadoni</i> <del>Spec Rev not available ??????????????????</del> SIZE: DIA. 80/70 MM <i>FF06010Rev03</i> DIM.: S
26	4000	NO	1	4000 <i>XBadoni</i> <i>As per annexure A</i> REFRACTORY REDUCERS DRAWING NO. 03/009/8 REV.03 <i>XBadoni</i> <del>Spec Rev not available ??????????????????</del> SIZE: DIA. 90/80 MM <i>FF06010Rev03</i> DIM.: S
27	2800	NO	1	2800 <i>XBadoni</i> <i>As per annexure A</i> REFRACTORY REDUCERS DRAWING NO. 03/009/8 REV.03 <i>XBadoni</i> <del>Spec Rev not available ??????????????????</del> SIZE: DIA. 100/90 MM <i>FF06010Rev03</i> DIM.: S
28	2800	NO	1	2800 <i>XBadoni</i> <i>As per annexure A</i> REFRACTORY REDUCERS DRAWING NO. 03/009/8 REV.03 <i>XBadoni</i> <del>Spec Rev not available ??????????????????</del> SIZE: DIA. 120/100 MM <i>FF06010Rev03</i> DIM.: S
29	550	NO	1	550 <i>XBadoni</i> <i>As per annexure A</i> REFRACTORY REDUCERS DRAWING NO. 03/009/8 REV.03 <i>XBadoni</i> <del>Spec Rev not available ??????????????????</del> SIZE: DIA. 150/120 MM <i>FF06010Rev03</i> DIM.: S
30	2000	PR	1	2000 <i>XBadoni</i> <i>As per annexure A</i> REFRACTORY INGATES DRAWING NO. 03/009/4 (REV.03) <i>XBadoni</i> <del>Spec Rev not available ??????????????????</del> SIZE: DIA. 70 MM <i>FF06010Rev03</i> DIM.: S

\*\* IMPORTANT: This enquiry is 2 part tender. Techno-Commercial bid (Part-1) & 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

निविदा सूचना  
**TENDER ENQUIRY**

भारत हेवी इलैक्ट्रिकल्स लिमिटेड  
**Bharat Heavy Electricals Ltd**  
सेन्ट्रल फाउन्ड्री फॉर्ज प्लांट- हरिद्वार - २४६४०३ (भारत)  
**Central Foundry Forge Plant, Haridwar-249403 (INDIA)**

TA-17001

Phone : (0091) 01334- 281639,281385,285336

Fax : 01334 225892 / 226458

TIN NO. 05001763485  
C S T NO. HR-5018287 Dt. 16-03-1995

निविदा सूचना सं. ENQUIRY NO.*	5430 P/ 351/3/0383C1	दिनांक Date	27-11-2013
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कृपया निम्नलिखित के लिए निविदा दें। PLEASE QUOTE FOR THE FOLLOWING :

MATERIAL CODE	QUANTITY	UNIT	LOTNO
ITEM DESCRIPTION			

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.

Standard Instructions:

TEST CERTIFICATE REQUIRED.  
GUARANTEE CERTIFICATE REQUIRED.  
BASIC RATES, TAXES DUTIES SEPERATELY  
CENVATABL DUPLICATE COPY OF INVOICE.  
INSP AFTER RECPT AT CFFP.

Special Instructions:

- OFFER MUST BE SUBMITTED STRICTELY IN LINE WITH SPECIFICATION, TERMS & CONDITIONS OF ENQUIRY ELSE OFFER MAY LIKELY BE IGNORED.
- ALL TAXES/DUTIES/LEVIES ETC. MUST BE SPECIFIED SEPERATELY IN AMOUNT OR IN PERCENTAGE. INCOMPLETE OFFER SHALL NOT BE ACCEPTABLE.
- "ANNEXURE-A" DULY FILLED & SIGNED WITH COMPANY SEAL IS TO BE SUBMITTED ALONGWITH OFFER.
- DELIVERY : AS PER ANNEXURE 'A'
- SPECIFICATION No. FF06010 Rev 03 & DRAWING No. 03/009/4 Rev 03, FT-11-19 REV 04, 03/009/1 REV. 04, 03/ / 009/ 1/1REV. 01,03/ 009 / 2 REV.-C, 03 / 009 / 3 REV.03 , 03 / 009 / 8 REV. 03

General Instructions:

- 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 PRE-INSPECT THE MATERIAL AT VENDOR'S WORKS / GODOWN/ PREMISES BEFORE DESPATCH.
  - ORIGINAL MANUFACTURER'S TEST CERTIFICATE IS REQUIRED ALONG WITH DESPATCH DOCUMENTS. IN CASE SUPPLIES ARE FROM TRADERS, IT SHALL BE THE RESPONSIBILITY OF THE TRADER TO PROVIDE ORIGINAL MANUFACTURER'S TEST CERTIFICATE WITH LINKAGE TO TRADER'S INVOICE STATING BATCH NO.
  - CFFP/BHEL Reserves the right to procure from more than one vendor.
  - Please quote prices in figures & words both. In case the prices quoted in words and figures are different, the values indicated in words will be considered for evaluation & establishing L1 status.
- \* The offers of the bidders who are on the banned list as also the offers of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on web site [www.bhel.com](http://www.bhel.com)

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**Bharat Heavy Electricals Ltd**  
सेन्ट्रल फाउन्ड्री फोर्ज प्लांट- हरिद्वार - २४६४०३ (भारत)  
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CA-17001

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

MATERIAL CODE                      QUANTITY    UNIT                      LOTNO  
ITEM DESCRIPTION

*L P Badoni*  
L P BADONI  
SAO (PUR)

Name of Vendor:.....

Evaluation shall be on the basis of delivered cost (i.e.) "total landed cost to BHEL". Confirmation/comments on the conditions given below are mandatory. Please confirm the following or else your offer is liable to be rejected.

	Description	Vendor Confirmation /Comment (In case of blank, it shall be deemed to be accepted by vendor)
1	Guarantee Certificate (as per specification/enquiry) shall be provided along with despatch documents.	
2	Please specify whether you are a manufacturer or a trader of this material	
3	Original Manufacturer's Test Certificate shall be provided along with despatch documents.	
4	Final inspection shall be carried out after receipt of material at CFFP. However, CFFP reserves the right to pre inspect the material at supplier works.	
5	Delivery shall be made on FOR Destination basis, destination being Stores/CFFP/BHEL Haridwar, Freight & Insurance charges to vendor's account.	
6	Payment Term: 100% within 30 days after receipt & acceptance of material at CFFP / BHEL, Haridwar through e-payment.  * In case vendor does not agree, proper loading shall be done. Base rate of SBI (as applicable on the date of bid opening: Techno commercial bid opening in case of two part bids) + 6%, shall be considered for loading for the period of relaxation sought by bidders.	
7	Validity of offer: Minimum 120 days from tender opening date. Offers with validity less than 120 days may not be considered.	
8	Prices shall be firm till execution of Order	
9	CFFP/BHEL reserves the right to order part quantity.	
10	Liquidated damage : The delivery of the goods shall be made strictly as per time limit specified in delivery schedule of purchase order, failure to supply within this period will make the supplier liable to penalty of 1/2 (half) percent of the price of the goods in arrears per week subject to a maximum of 10%.	
11	Provide name, mobile no. & email address of the contact person	
12	In case vendor is not registered with CFFP BHEL Haridwar for this material, duly filled "Supplier Registration Form" must be submitted within 15 days of opening of tender (form available on website <a href="http://www.bhelhwr.co.in">www.bhelhwr.co.in</a> & <a href="http://www.bhel.com">www.bhel.com</a> ). If duly filled SRF is not received within 15 days of opening of techno commercial bid, offer may not be considered for price bid opening.	
13	Delivery Schedule: First Lot – 60 days from PO date Second Lot – 120 days from PO date	
14	Risk Purchase: In case of delayed/defective supplies or non fulfillment of any other terms & conditions given in the Purchase Order, the purchaser may cancel the purchase order in full or part thereof and may also make the purchase of such material at the risk & cost of supplier.	
15	In case of any difference observed in conditions confirmed above & elsewhere in the offer, terms quoted above shall be treated as final and binding on vendor.	

Date:

Signature with Seal of the Company

GENERAL TERMS AND CONDITIONS OF TENDER ENQUIRY  
ANNEXURE-B

01 Submit the tender in two parts i.e.

**Part-I Techno-Commercial Bid**

**Part-II Price Bid**

Techo - 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 send it to **AGM (MM), Purchase Department, CFFP/BHEL, Hardwar, Ranipur, Hardwar 249403, Uttarakhand, India before due date / tender opening date & time**. Normally tender opening time is 2.00 PM on due date or as mentioned in enquiry.

**Responsibility for submission of tender in time solely lies with vendor. Late offers received after specified time / Date shall not be considered.**

1. 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 (**except price**) should be clearly mentioned in Techno-Commercial bid. Also mention present rate of applicable taxes & duties even if inclusive in rates along with the concessional forms required if any.
  - (c) Confirm to submit all required commercial documents (tax invoice centvatable 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 & conditions, price bid of only successful vendors will be opened. Priced bid opening date shall 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. For new vendors, Vendor Registration from duly filled must be submitted along with the offer which 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 manufacturer's Test Certificate is required along with dispatch documents. In case supplies are from traders, it shall be the responsibility of the trader to provide original manufacture's test certificate with linkage to traders invoice stating batch no.
7. **Validity** of offers should be minimum 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 terms:**  
For indigenous suppliers: 100% within 30 days after receipt & acceptance of material at CFFP / BHEL, Haridwar through e-payment.  
For foreign suppliers: Payment through USANCE LC on 70<sup>th</sup> day of bill of lading date. All bank charges shall be to vendor's account.  
  
\* In case vendor does not agree, proper loading shall be done. Also in that case, third party inspection shall have to be arranged by supplier from any of the five inspection agencies namely: LRS/ BVQI/ DNV/ TUV/ Alfred H Knight at their cost.
10. CFFP/BHEL, Hardwar reserves the right to accept or reject any or all tenders without assigning any reason thereof.
11. Tenders not submitted in the prescribed manner are likely to be ignored / rejected.
12. Agent/Agency Commissioning: 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, Hardwar 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 Name, 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.  
**Liquidated damage:** The delivery of the goods shall be made strictly as per time limit specified in delivery schedule, failure to supply within this period will make the supplier liable to an conditional penalty of 1/2 (half) percent of the price of the goods in arrears per week subject to a maximum of 10%.
16. **Inspection:** Final inspection of material shall be done after receipt of material at CFFP/BHEL, Hardwar. Acceptance of material shall be after final inspection and shall be binding. However, CFFP reserves the right to pre Inspect the material at supplier works. In case material is found defective during warranty period, the same will be returned for repair and/ or replacement. For this vendor has to bear all the charges such as Freight, 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. **Currency of Payment:** Mention the currency in which payment has to be made. For evaluation of price bids, exchange rate (TT selling rate of SBI) as on scheduled date of tender opening (Part-1 bid in case of two part bid) shall be considered.
18. Traders should submit authorization letter from their principal alongwith offer.
19. 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 Haridwar, India. The overseas supplier hereafter referred to as "Vendor" shall therefore abide by the verdict of Court of Law at Hardwar, India.  
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.
20. BHEL reserves the right to place P.O. for part / full qty and on one or more than one sources.
21. Any Term & condition of the specific tender (if specified in tender & contradicts with above term) will supersede the above general terms & conditions.



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

FF06010 Rev 03

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

पृष्ठ का  
Page 1 of 3

**FOUNDRY REFRACTORIES**  
(SLEEVES, KNEES, REDUCERS, TEES, POURING CUP)

**1. General**

This specification covers the requirement of Foundry refractory items to be used in foundries for making Steel Castings.

**2. Application**

The refractory items will be used in making gating system in the moulds for entry of liquid steel at temperature in the range of 1570 °C to 1620 °C.

**3. Compliance with national standard.**

This specification is based on IS:8-1994

**4. Physical Properties**

- 4.1 The sleeve should be made of High Heat Duty fire clay suitable to withstand the metalostatic erosion, which is equivalent to Type 2 of specification IS:8 – 1994
- 4.2 Refractory sleeves are to be manufactured by wet process using grain size 2 mm max.
- 4.3 The refractories shall be compact, of homogeneous texture and free from cracks, voids, surface roughness, (felt by rubbing with finger), low melting spots and inclusions. Sampling may be done as per IS1528
- 4.4 These refractories shall be burnt evenly throughout without any soft spots and inclusions.
- 4.5 The refractories should be suitable for cutting with refractory cutting disc without excess heating/emission of sparks.
- 4.6 The properties when tested in laboratory as per IS-1528 should be as per the following table.

Apparent porosity	23 max
Cold crushing strength	20 Mpa. Min
Permanent linear change after heating at 1450°C for 2 hrs	±1.0%
Alumina , Iron Oxide	38% min, 2.2% max

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स्वत्वाधिकार एवं गोपनीयता  
इस दस्तावेज में दी गई सूचना भारत हेवी इलेक्ट्रिकल्स की सम्पत्ति है इसका प्रयोग एवं प्रसारण तब से किस्ती भी तब तक प्रयोग, जो कि कंपनी के हित में हानिकारक हो न किया जाए ।

हस्ताक्षर एवं दिनांक	RMI	SN GHOSH	अनुवादक	TRANSLATED BY	
	MPIC	SHANTANU	विनिर्माकता	WORKED BY	T DAVE
	CHAIRMAN PPSC	R PARTHASARTHY	जांचकर्ता	CHECKED BY	AKC
सहमत विभाग AGREED DEPT.	नाम NAME	दिनांक एवं हस्ताक्षर DATE & SIGNATURE	SECRETARY PPSC	DR. MS RAWAT	
संज्ञक INVENTORY NO.	स्वीकृति : संस्थान मानक समिति APPROVED : PLANT STANDARDS COMMITTEE				
	विभाग PREPARED : FOUNDRY TECH	प्राप्ति : फाउण्ड्री टेक्नालॉजी ISSUED : FOUNDRY TECHNOLOGY	दिनांक DATE 03.08.10		

SUPERSEDES INVENTORY NO.  
 भारतीय सूची संख्या को अधिप्रेक्षित करना

**5. Acceptance**

For supplies from approved vendors, each consignment shall be accepted on the basis of supplier's TC and GC. Material shall be checked as per Clause 4.3 and 4.5 on random sample basis.

Surveillance checking shall be done for properties mentioned in Clause 4.6

**6. Test certificate**

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6.1 Unless otherwise specified, one original and three copies of original manufacturer's test certificates shall be supplied with each consignment bearing the following information. In order to facilitate quick clearance of material, the supplier shall ensure to send a copy of test certificate along with despatch document.

- a. BHEL PO No. with Date
- b. Specification No.
- c. Supplier reference / trade mark
- d. Test results as per Clause 4.6
- e. Any other specific information which the supplier would like to convey.

6.2 Suppliers other than the original manufacturer shall ensure providing original manufacturer's test certificates with linkage to supplier's invoice stating the batch No., lot No., etc of the supply.

**7. Packing and Marking**

- a) The supplier will ensure the supply of refractories to CFFP in dry condition without breakage or damage.
- b) Each piece of refractory item should have supplier's identification mark, and size as mentioned in the consignment document.

**स्वत्वाधिकार एवं गोपनीयता**  
 इस प्रलेख में दी गई सूचना भारत की सुरक्षा के हित में गोपनीय है। इसका प्रसारण एवं उपयोग केवल से बिना की जा सकता है। बिना की जाये, प्रलेख, जो कि कंपनी के हित में तैयार किया गया है, उसे न प्रसारित करें।

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

8.1 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 test 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.


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

हस्ताक्षर एवं दिनांक  
SIGN & DATE

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

भारतीय सूची संख्या		निर्माणकर्ता WORKED BY	T DAVE	
		जांचकर्ता CHECKED BY	AKC	


सारणी शुद्धी	SUPERSEDES INVENTORY NO.	<b>RECORD OF CHANGES</b>
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REV CODE	NO. OF CHANGES	NATURE OF CHANGE	SIGN	DATE
01		<b>Comments of French expert Mr. Dumas incorporated in Clause No. 4 &amp; 8</b>		28.3.02
02		Clause 6 & 7 modified to incorporate original manufacturer's test certificate and packing conditions		29.8.09
03		Individual packing of sleeves deleted. Clause 4 modified for removal of deletion of Pyrometric Cone equivalent. Acceptance clause modified to introduce surveillance checking of clause 4.6		03.08.2010

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हस्ताक्षर एवं तिथि SIGN & DATE	DISTRIBUTION OF PRINTS	
	RMI	✓
	STANDARD SECTION	✓
	MPIC	✓

सारणी शुद्धी संख्या		निर्माणकर्ता WORKED BY T DAVE		
		जांचकर्ता CHECKED BY AKC	