



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

MATERIAL MANAGEMENT (PURCHASE)
CENTRAL FOUNDRY FORGE PLANT, BHEL HARDWAR
RANIPUR, HARIDWAR (INDIA) – 249403
Phone No.+91-1334-281277/281299, FAX No. 225892
e-mail : vinaysingh@bhel.in; anuragkk@bhel.in

Sub: Tender Enquiry

Dear Sir,

We are pleased to invite offer in **E-Tender** as per enclosed specifications & terms and conditions for the under mentioned items.

SI No	Tender No	Description of Material	Qty	Date & Time Of Opening
01	201900651, Event ID: 28823	Material Code: FF5333485046 REFRACTORY TILES: TYPE-II. Spec: AA53304 R03 SIZE: 230X114X40 MM DIM.: S	15,000 Nos.	15/06/2019 at 2.00 PM

Delivery Schedule: Within 45 Days from PO Date. Early delivery is acceptable.

For New Vendor who are not registered with CFFP:

New Vendor who are not registered with CFFP are required to fill the Supplier Registration Form (SRF). The SRF can be filled online through <https://supplier.bhel.in/>. Please ensure to fill the SRF and it is requested to submit the Acknowledgement No./ Application no. of filled SRF along with the offer. Kindly read terms and conditions, offer not in accordance with the instructions is liable to be disqualified or ignored.

Please send the following along with the Offer:

1. **Company Name and Address Proof.**
2. **GST Number (Scan Copy of Acknowledgement)**
3. **PAN Copy**
4. **MSME Certificate (if Any)**

All the above documents should be signed and stamped.

Please visit <https://bhel.abcprocure.com/EPROC/>; www.bhel.com or www.bhelhwr.co.in for more details & corrigendum if any for the tender enquiry. **Offers are to be submitted online in E-tender portal at <https://bhel.abcprocure.com/EPROC/>**

Offer to be submitted only on e-procurement portal. Hard copy of offer is not required to be submitted to CFFP. Any offers received in Hard copy shall not be accepted and straightaway rejected by CFFP. Before proceeding for submitting quotation in e-portal, supplier to ensure that they are having a valid Digital Signature Certificate (DSC). Valid DSC refers to an Active Signing and Encryption Certificate (both), with specification Class III SHA2 2048 bit

Thanking You,

Yours Faithfully,

For & On behalf of CFFP, BHEL, Hardwar

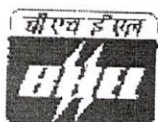
(Vinay K Singh)

Sr. Engineer (Purchase)

Note: Corrigendum if any shall not be published, kindly refer <https://bhel.abcprocure.com/EPROC/> for any changes.

PRE – QUALIFICATION REQUIREMENT:

- 1) The participated vendor must have supplied minimum **3000 No. s** of Fire Clay Bricks with minimum 40% Alumina content in one financial year within a period from date 01.04.2014 to the date of opening tender.
- 2) As a supporting document tom point (1) following has to be provided:
 - a) **Proof of Order:** copy of Purchase Orders/ Purchase Agreements etc.
 - b) **Proof of Supply:** Copy of Invoice / BL Copy/ any other document to confirm supply of material against above Purchase Order.
 - c) **Proof of Quality:** Copy of Test Certificate/ Specification etc. (Required if, Alumina content not mentioned on Purchase Order/ Invoice copy etc.

**CORPORATE PURCHASING SPECIFICATION**

AA53304

Rev. No. 03

PREFACE SHEET

FIRECLAY - REFRACTORIES**Comparable Standards:**

1. INDIAN : IS : 8 - 2004

Suggested / Probable Suppliers and Grades :

1. M/s. Modern refractories , Nagpur
2. M/s Amarnath Bhasker & Sons, Kanti
3. M/s Deodutt Refractories, Kanti
4. M/s. Souvenior Ceramics, Faridabad
5. M/s. Bimal Refractories, Muzaffarnagar
6. M/s Souvenior Ceramics
7. M/s Bhaskar Refractories
8. M/s Parasnath Refractories

User Plants /References:

1. HEEP, HARDWAR : FF06010
2. BHOPAL :
3. HYDERABAD :

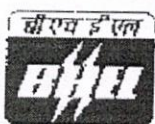
Revisions :

As per 24th MOM of MRC-FN

APPROVED :

INTERPLANT MATERIAL
RATIONALISATION COMMITTEE-MRC (FN)

Rev. No. 03	Amd.No.	Reaffirmed	Prepared Bhopal	Issued Corp. R&D	Dt. of 1st Issue April 1995
Dt. : Apr 2012	Dt :	Year :			



CORPORATE PURCHASING SPECIFICATION

AA 53304

Rev. No. 03

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FIRECLAY REFRACTORIES

1.0 GENERAL:

This specification governs the requirements of high heat duty fireclay refractories and hollowwares for foundry applications (Sleeves, knees, reducers, tees, pouring cups).

2.0 APPLICATION:

Used as refractory lining bricks for furnaces and ladles and hollow refractory sleeves for gating system in moulds and cores. The refractory sleeves/hollowwares shall be for entry of molten metal at temperature in the range up to 1620 °C.

3.0 COMPLIANCE WITH NATIONAL STANDARDS:

The material shall comply, in general, with the requirements of the following National standards and also comply with the requirements of this specification.

IS: 8- 2004 : High Heat Duty Fireclay Refractories.

4.0 DIMENSIONS AND TOLERANCES:

4.1 **Shape and Size:** As per BHEL order/drawing.

4.2 **Tolerances:** $\pm 1\%$ or 1mm, whichever is greater on both warpage and shrinkage.

5.0 FREEDOM FROM DEFECTS:

The refractories shall be free from cracks, voids, surface roughness (felt by rubbing with finger), low melting spots, inclusions and broken corners and edges. They shall be of homogenous texture and shall have good surface finish. Hollowware refractories should be manufactured by wet process using grain size 2 mm max.

6.0 TEST SAMPLES:

As per IS: 1528.

Revisions :

As per 24th MOM of MRC-FN

APPROVED :

INTERPLANT MATERIAL
RATIONALISATION COMMITTEE-MRC (FN)

Rev. No.03	Amd.No.	Reaffirmed	Prepared	Issued	DL of 1st Issue
Dt. : Apr 2012	Dt :	Year :	CFFP	Corp. R&D	JANUARY, 2004

**7.0 PROPERTIES:**

When tested in accordance with the relevant clauses of IS:1527 and IS:1528, mentioned against each, the test samples shall show the following values:

7.1 Chemical Composition:

Al₂O₃ content 40%, minimum for fireclay bricks.
Iron Oxide shall be limited to 2.2% max.

7.2 PHYSICAL PROPERTIES:

Property Requirements	Type I	Type II
1. Apparent porosity, % volume, max :	30	23
2. Cold Crushing strength, N/mm ² , min. :	17.5	25
3. Pyrometric cone equivalent standard Orton (ASTM) No., min :	32	32
4. Refractoriness under load, ta °C, min :	1400	1425
5 Permanent linear change, % max. :		
a) After heating at 1400°C for 5 hours :	± 1.5	--
b) After heating at 1450°C for 2 hours :	--	± 1.0

7.3 Hollow refractory sleeves for gating system should be of type II variety and should be amenable to cut by abrasive cut-off wheel.

8.0 INSPECTION, DEVIATION AND REPLACEMENT:

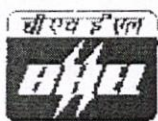
8.1 BHEL reserves the right to inspect material at site before despatch. The supplier shall intimate in advance about readiness of material enclosing a copy of test certificate of the material offered for inspection. However inspection at BHEL shall be final. The supplier shall offer BHEL representative 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 BHEL 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.

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

9.0 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 and 5 on random sample basis. Surveillance checking shall be done for properties mentioned in Clause 7.0



CORPORATE PURCHASING SPECIFICATION

AA 53304

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9.0 TEST CERTIFICATES:

9.1 Unless otherwise specified, one original and three copies of test certificates shall be supplied along with each consignment.

In addition the supplier shall ensure to send one copy of test certificates along with the despatch documents to facilitate quick clearance of the material.

The test certificates shall bear the followings information

AA 53304, Rev.No.03 : Fireclay Refractories / Refractory hollowware's

BHEL Order No.

Manufacturer's/Supplier's Name.

Trade mark, if any.; Batch No.; Date of manufacture

Size and Quantity supplied

Dimensional inspection as per clause 4.0.

Test results of clause 7.0

9.2 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.

10.0 PACKING AND MARKING:

The material should be transported suitably to avoid damage and moisture pickup during transit.

Each piece of the refractory item should have supplier's identification mark and size as mentioned in the consignment document. Each consignment shall be legibly marked or labeled with the following information:

AA 53304: Fireclay Refractories/refractory hollowware's.

BHEL Order No.

Manufacturer's/ Supplier's Name.

Trade mark, if any.

Batch/Lot No.

Size and Quantity supplied

Date of manufacture

11.0 REFERRED STANDARDS (Latest Publications Including Amendments)

1) IS: 8 2) IS: 1527 3) IS: 1528

Domain :	bhel.abcpurchase.com		
Parent department:	CFFP Haridwar		
Unit name	: CFFP, Haridwar		
Purchase group	: PURCHASE PG	RFQ/NIT/Enquiry Officer	: Vinay Singh
Event ID	: 28823	RFQ/NIT/Enquiry no.	: 201900651
Enquiry Date	: 24/05/2019 05:30:00		
Tender Description	: REFRACTORY TILES:TYPE-II230X114X40 MM		
Terms & Conditions	: Standard Instructions: TEST CERTIFICATE REQUIRED. GUARANTEE CERTIFICATE REQUIRED. BASIC RATES, TAXES DUTIES SEPERATELY CENVATABLE DUPLICATE COPY OF INVOICE. INSP AFTER RECPT AT CFFP. Special Instructions: FINAL INSPECTION AT CFFP DOCUMENTS & OFFER TO BE SUBMITTED IN COMPLIANCE WITH SPECIFICATION & PQC ORIGINAL MANUFACTURER'S TEST CERTIFICATE REQUIRED. DELIVERY SCHEDULE: 45 DAYS FROM PO DATE. EARLY DELIVERY IS ACCEPTABLE. SPECIFICATION AA53304 REV 03 & PQC ARE ENCLOSED TERMS & CONDITION NOT SPECIFIED IN TENDER ENQUIRY SHALL BE AS PER GENRAL INSTRUCTION AND STANDARD TERMS & CONDITIONS FOR BIDDING AGAINST TENDER ENQUIRY (DOCUMENT NO. CFFP/MM/PUR/GT/02 REV04 Dated 03.04.2019). GST ON LD SHALL ALSO BE RECOVERED FROM SUPPLIER BILL ALONG WITH LD CHARGES IF APPLICABLE.		
Product / service / work keywords	: Refractory,		
No. of Bid Parts	: Multiple	Envelope	: Techno-commercial bid , Price bid
Type of contract	: Goods	Project duration / delivery or completion period	: 45 DAYS FROM PO DATE
Download document	: Before login	RFQ floated under the policy	: PP-PURCHASE POLICY
Estimated Category	: B	No. of items already attached	: 1
Delivery/Location At	: CPS, CFFP BHEL HARIDWAR	Delivery Date	: 30/08/2019 05:30:00
Inspection by Agency	: CFFP BHEL HARIDWAR	Inspection Location	: CFFP BHEL HARIDWAR
Min. bid required	: 1		
Bid submission configuration			

Bid evaluation	:	Item wise	Bidding access	:	Open Tender
Base currency	:	INR	Bidding type	:	NCB/Indigenous

Key configuration

Pre-bid meeting	:	Don't allow
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Dates configuration

Document downloading start date	:	24/05/2019 17:30:00	Document downloading end date	:	15/06/2019 14:00:00
Bid submission start date	:	24/05/2019 17:30:00	Bid submission end date	:	15/06/2019 14:00:00
Bid opening date	:	15/06/2019 14:01:00			

Document / EMD / Security fee detail

Document fees	:	Not required	EMD	:	Not required
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Bidding forms

New Indigenous Price Bid template

Price bid format for Indian Vendors

Sr.no	Material code	Item name	Enquiry Quantity	Unit of measurement
1	FF5333485046	REFRACTORY TILES:TYPE-II	15000.00	NO

Information for Online Participation

Bidder who wish to participate in this tender needs to procure Digital Certificate as per Information Technology Act-2000 using that they can digitally sign their electronic bids. Bidders can procure the same from any or the CCA approved certifying agencies, or they may contact e-Procurement Technologies Ltd. at below mentioned address and they will assist them in procuring the same. Bidders who already have a valid digital Certificate need not to procure the same. In case bidders need any clarification regarding online participation, they can contact,

e-Procurement Technologies Ltd.
Corporate Office:
Address : A-201/208, Wall Street - 2, Opp. Orient Club,
Nr. Gujarat College, Ellis Bridge,
Ahmedabad - 380006, Gujarat(INDIA)

Digital Certificate Contacts

Contact Person : Mr. Himalay Vaishnav
Cell : +91-9099090830
Phone Nos. : +91-9099090830
Fax No :
e-Mail : info@abcProcure.com

Support Team Contacts

Contact Person : BHEL Support Team Ahmedabad
Cell : +91-8160087732
Phone Nos. : +91-79-68136809/871/861/823/872

Fax No :
e-Mail : Bhel.Support@abcProcure.com

Bidder who wish to participate in e-Tender need to fill data in predefined forms of Price bid available in respective tender only. After filling data in predefined forms bidders need to click on final submission link to submit their encrypted bid. Bidder need to submit Document Fees, EMD & Reference Documents in hard copy if such instruction are given by tendering authority. As Per the new Inter-operability guidelines released by Controller of Certifying Authorities(CCA), the Secured Socket Layer(SSL) certificate for a e-procurement application is generated on a new algorithm, SHA2.

Also, the Digital Certificates that will be applicable for these platforms have to be SHA2 algorithm complaint. For the same, the users have to ensure that they have Windows XP(SP3)/Windows Vista/Windows7 installed in their respective PC/Laptop. In case of Windows XP Service pack - 3, if you get any issue you can install the SSL patch, which is available at our download section of our e-Tender/e-Auction Portal and also at our corporate website www.abcprocure.com just below the label of "Knowledge section".

Fraud Prevention

Bidder along with its associate/collaborators/sub-contractors/sub-vendors/consultants/service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.

Preference to Make in India

For this procurement, Public Procurement (Preference to Make in India), order 2017 dated 15.06.2017 & 28.05.2018 and subsequent orders issued by the respective Nodal ministry shall be applicable even if issued after issue of this NIT but before finalization of contract/PO/WO against this NIT. In the event of any Nodal Ministry prescribing higher or lower percentage of purchase preference and/ or local content in respect of this procurement, same shall be applicable. Default margin of purchase preference shall be 20% to local suppliers with default minimum local content of 50%.