



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

MATERIAL MANAGEMENT (PURCHASE)
CENTRAL FOUNDRY FORGE PLANT, BHEL HARDWAR
RANIPUR, HARIDWAR (INDIA) – 249403

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Sub: Open Tender Enquiry No: 201602211/5417 due on 11.08.2016, at 2.00 PM

Dear Sir,

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

Sl No	Tender No	Description of Material	Qty	Date & Time Of Opening
1	201602211/5417	Material Code: FF5331586023 Roof Set Bricks Model 11 (Mark- 1) Drg: 02- 101 Rev. 00 Spec: AA53303 Rev: 01	2500 No	11.08.2016
2		Material Code: FF5331586031 Roof Set Bricks Model 11 (Mark-2) Drg: 02- 101 Rev. 00 Spec: AA53303 Rev: 01	2000 No	
3		Material Code: FF5331586040 Roof Set Bricks Model 11 (Mark-3) Drg: 02- 101 Rev. 00 Spec: AA53303 Rev: 01	150 No	
4		Material Code: FF5331586104 Roof Set Bricks Model 11 (Mark – Key) Drg: 02- 101 Rev. 00 Spec: AA53303 Rev: 01	10 No	
5		Material Code: FF5331588018 Roof Set Bricks Model 14 (Mark-A) Drg: 02- 102 Rev. 00 Spec: AA53303 Rev: 01	15000 No	
6		Material Code: FF5331588026 Roof Set Bricks Model 14 (Mark- B) Drg: 02- 102 Rev. 00 Spec: AA53303 Rev: 01	2000 No	
7		Material Code: FF5331588034 Roof Set Bricks Model 14 (Mark- C) Drg: 02- 102 Rev. 00 Spec: AA53303 Rev: 01	500 No	
8		Material Code: FF5331588042 Roof Set Bricks Model 14 (Mark- D) Drg: 02- 102 Rev. 00 Spec: AA53303 Rev: 01	2500 No	

9		Material Code: FF5331588050 Roof Set Bricks Model 14 (Mark- E) Drg: 02- 102 Rev. 00 Spec: AA53303 Rev: 01	300 No	
10		Material Code: FF5331588069 Roof Set Bricks Model 14 (Mark- J) Drg: 02- 102 Rev. 00 Spec: AA53303 Rev: 01	300 No	
11		Material Code: FF5331588077 Roof Set Bricks Model 14 (Mark- E1) Drg: 02- 102 Rev. 00 Spec: AA53303 Rev: 01	1500 No	
12		Material Code: FF5331588085 Roof Set Bricks Model 14 (Mark- E2) Drg: 02- 102 Rev. 00 Spec: AA53303 Rev: 01	200 No	
13		Material Code: FF5331588093 Roof Set Bricks Model 14 (Mark- KEY) Drg: 02- 102 Rev. 00 Spec: AA53303 Rev: 01	15 No	

Kindly read terms and conditions, Offer not in accordance with the instructions is liable to be disqualified or ignored.

Please visit 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://bheleps.buyjunction.in/>

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

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

(Vipin Kumar)
Engineer (Purchase)

Note: Corrigendum if any shall not be published, kindly refer websites for any changes.

PRE QUALIFICATION REQUIREMENT

Ref: Tender enquiry no. 201602211/5417

Pre-qualification criteria for above tender enquiry are as under:

1. Vendor must have supplied Roof Set Bricks with minimum 70% Alumina content within last 5 years from date of Tender Enquiry.
2. In support of Point (1) vendor has to provide copy of Purchase order/Invoice for supply of Roof set bricks with minimum 70% Alumina content within 5 years from date of tender enquiry.
3. Vendor have also to provide Performance Certificate from the Roof Set Bricks supplied by them from their customers for their use in:
For Roof Set Bricks Model 11: In Electric Arc Furnace (Min. 10 MT capacity)
For Roof Set Bricks Model 14: In Electric Arc Furnace (Min. 30 MT capacity)



CORPORATE PURCHASING SPECIFICATION

AA53303

Rev No.01

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REFRACTORY BRICKS - HIGH ALUMINA

1.0 GENERAL:

This specification governs the quality requirements of High Alumina Bricks for the roofs of Electric Arc Furnaces and for Lining of ladles in steel melting shop.

2.0 APPLICATION:

Used for making the roof of Electric Arc Furnaces and lining of ladles in steel melting shops.

3.0 CONDITION OF DELIVERY: As per IS: 1387

4.0 COMPLIANCE WITH NATIONAL STANDARDS:

There is no National Standard covering this type of material.

5.0 DIMENSIONS AND TOLERANCES:

5.1 Shape and Size: As per BHEL drawing.

5.2 Tolerances: $\pm 1.5\%$ or 1.5 mm whichever is greater.

6.0 FREEDOM FROM DEFECTS:

The refractories shall be free from cracks and broken corners and edges. They shall be of homogenous texture and shall have good surface finish.

7.0 TEST SAMPLE: As per IS: 1528

8.0 CHEMICAL COMPOSITION

The material, when analysed in accordance with IS: 1335, shall have the following composition.

Al ₂ O ₃	70% minimum
Fe ₂ O ₃	3% maximum

9.0 PROPERTIES:

The material, when tested as per the relevant parts of IS: 1528 shall show the following properties.

Revisions:
Clause No 25.03 of MOM of MRC – FN

APPROVED:
INTERPLANT MATERIAL RATIONALISATION
COMMITTEE – MRC(FN)

Rev No.01	Amd No.	Reaffirmed	Prepared	Issued	Dt. of 1 st Issue
Dt:19-03-2014	Dt:	Year:	CFFP, Haridwar	Corp.R&D	01-05-1994

AA53303

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CORPORATE PURCHASING SPECIFICATION



- | | | | |
|-----|---|---|--------------------------------|
| 9.1 | Pyrometric Cone Equivalent (PCE) (Part 1) | : | 37 Ortons minimum |
| 9.2 | Refractoriness Under Load (Part 2) | : | 1500 ta°C, minimum |
| 9.3 | Cold Crushing strength (Part 4) | : | 40 N/mm ² , minimum |
| 9.4 | Permanent Linear Change At 1600°C for 1 Hour (Part 6) | : | 3.5% maximum |
| 9.5 | Apparent Porosity (Part 8) | : | 23%, maximum |
| 9.6 | Bulk Density (Part 12) | : | 2.6 to 2.8 g/cc |
| 9.7 | Thermal Shock Resistance | : | 25 cycles minimum |

10.0 INSPECTION AT SUPPLIER'S WORKS:

- 10.1 BHEL reserves the right to witness the testing of the material at supplier works and therefore the supplier shall notify the readiness of the material in advance.
- 10.2 BHEL may also opt for third party inspection. If so, BHEL may either specify a third party or else give a list of third party inspection agencies, out of which supplier may select one of his choice.
- 10.3 The supplier shall offer BHEL's representative all reasonable facilities, without charge to satisfy the latter that the material is being furnished 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.
- 10.4 BHEL may, at its discretion, test the material after receipt and acceptance of the material will be based on the BHEL's test results.
- 10.5 Supplier shall ensure that the material is free from extraneous material. The material shall be rejected if it is not free from extraneous material.
- 10.6 For result of analysis and properties of material the decision of BHEL shall be final and binding on the supplier.
- 10.7 If the material received is not found suitable according to the requirements, it shall be replaced free of cost by the supplier.
- 10.8 For any deviation, demanded by the supplier from the specification, prior approval of BHEL must be obtained.

11.0 TEST CERTIFICATES:

Unless and otherwise stated, one original and three copies of certificates from the original manufacturer shall be supplied along with each consignment.

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

Manufacturer supplying material directly to BHEL should include BHEL PO No. in the Test Certificate. Any other supplier should provide a covering letter along with original manufacturer Test Certificate as above mentioning BHEL PO No.

The test certificates shall bear the followings information:

AA53303: REFRACTORY BRICKS - HIGH ALUMINA

BHEL Order No.

Manufacturer's/ Supplier's Name.



CORPORATE PURCHASING SPECIFICATION

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Batch/ Lot No.

Quantity Supplied.

Date of manufacture

Dimensional inspection as per clause 5.

Test Results of clauses 8 and 9.

12.0 PACKING AND MARKING:

The material shall be suitably packed to avoid damage during transit. Each consignment shall be legibly marked or labelled with the following information.

AA53303: REFRACTORY BRICKS - HIGH ALUMINA

BHEL Order No.

Manufacturer's/ Supplier's Name.

Trade mark, if any.

Batch/ Lot No.

Sizes and Quantity supplied

Date of manufacture

13.0 REJECTION AND REPLACEMENT

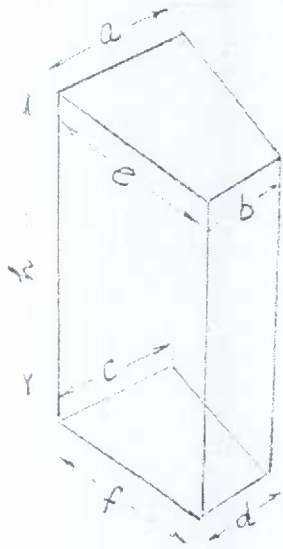
If the material does not comply with the requirements of this specification during receipt inspection at BHEL or if any defect is found during further processing of the material, BHEL reserves the right to reject the whole consignment notwithstanding any previous certification of satisfactory testing and/or inspection. The supplier shall undertake to replace the rejected material at his own cost and the rejected material shall be taken back by the supplier after fulfilling all the commercial terms and conditions.

14.0 Referred Standards (Latest publications including amendments):

1) IS: 1387

2) IS: 1528

3) IS: 1335



MARK	a	b	c	d	e	f	h	-
A	75	70	70	60	114	108	300	-
B	75	65	70	60	114	108	300	-
C	75	50	65	45	114	108	300	-
D	75	75	75	75	114	108	300	-
E	75	25	70	20	114	108	300	-
J	37	35	37	35	114	108	300	-
E-1	75	55	75	55	114	114	400	-
E-2	75	37	75	37	114	114	400	-



MARK	ϕ D1	ϕ D2	l	-
KEY	125	118	300	-



BHEL UNIT: C.F.P., HARDWAR

DEPT. RMC

SCALE: NTS

WT. -

AA 53303

NAME

SIGN.

DATE

25/30^T G.E.C MODEL-14 &
70^T ABB E.A.F
ROOF SET BRICKS

DRAWN

G. SINGH

REV.

6.1.97

CHECKED

A. K. TOIVELI

REV.

7.1.97

APPROVED

A. K. TOIVELI

REV.

7.1.97

DRG. N° 02-102

REV.

00

SHEET N° 1

N° OF SHEETS 1

GENERAL TERMS AND CONDITIONS OF TENDER ENQUIRY THROUGH E-TENDER

CFFP/TE/GTC/E R00 DT:07.03.2016

1. 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 (for E-Tender Enquiries) shall not be accepted and straightaway rejected by CFFP.
2. Responsibility for submission of tender in time solely lies with vendor. Vendors are requested to submit offers well in advance of due date & time.
3. Foreign template (for offer submission) to be selected only by Foreign vendor on whom order is to be placed. Offers submitted by Indian/Indigenous vendors in foreign template shall not be accepted for that enquiry.
4. Price to be quoted only in UNIT as mentioned in enquiry for that item.
5. Vendor to specify details of product offered and attach any technical literature/ data sheet/ drawing as applicable for the product offered.
6. Offer must be submitted strictly in line with specification, terms & conditions of enquiry else offer is likely to be ignored. Deviations if any to be indicated clearly in the spaces provided for deviations.
7. All commercial terms i.e. packing & forwarding, Custom duty, Additional Duty, VAT/CST, Excise Duty/CVD. Bank charges, Freight, payment terms & Insurance etc if any as applicable must be specified correctly in amount or in percentage in respective fields.
8. Evaluation for L1 status shall be done on basis of Landed cost net of Cenvat at CFFP.
9. Standard 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 70th day of bill of lading date. Bank charges - Either Side (i.e. in India to BHEL account & in Beneficiary country to Vendor's account). In case of amendment to LC for reasons attributable to vendor, all bank charges (both sides) shall be to Vendor's account.
10. In case VAT is applicable, VAT to be charged extra without any concessional form. VAT amount shall be released / paid to vendor after having obtained a confirmation (copy of Challan) that VAT amount has been paid to the Uttarakhand Commercial Tax Department.
11. In case CST is applicable, CST to be charged extra against form C.
12. 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.
13. CFFP/BHEL, Haridwar reserves the right to reject any or all tenders without assigning any reason thereof.
14. BHEL reserves the right to place PO for part / full qty.
15. BHEL reserves the right to place PO on more than one source as specified in splitting condition of tender enquiry (if applicable for that enquiry).
16. In case Foreign vendor takes services of an Indian Agent, Agency Agreement to be compulsorily submitted alongwith offer. In absence of Agency Agreement, BHEL shall not deal with Agent and shall deal directly with Foreign Principal. Role and scope of work/services rendered by Indian Agent alongwith agency commission of Agent to be clearly specified in Agreement.
17. CFFP/BHEL, Haridwar may opt for E-auction/Reverse auction for obtaining prices for part or full tendered quantity. BHEL also reserve the right to negotiate price with L1 vendor after reverse auction.
18. 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 www.bhelhwr.co.in & www.bhel.com).

GENERAL TERMS AND CONDITIONS OF TENDER ENQUIRY THROUGH E-TENDER

CFFP/TE/GTC/E R00 DT:07.03.2016

19. EMD/Security Deposit/ Tender fees shall be as specified in tender enquiry (if applicable for that enquiry).
20. 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 website www.bhel.com
21. 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.
22. The 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.
23. 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.
24. 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.
25. In case of rejection of material after receipt at CFFP, vendor / supplier is required to take back the rejected material at their cost within 45 days from the date of rejection memo / note. If vendor/ supplier fails to take back the rejected material from CFFP within 90 days from the date of rejection memo / note, CFFP has the right to dispose-off the rejected material at the risk & cost of the vendor / supplier and no further claim for the rejected material will be entertained.
26. Penalty for late delivery: 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%.
In case of non-acceptance or partial acceptance, offer shall be loaded for the unaccepted portion (out of the maximum 10% penalty) to calculate landed cost.
27. Risk Purchase: In case of delayed/defective supplies or non-fulfilment 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.
28. 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 shall also 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.
27. Any Term & condition of the specific tender (if specified in tender & contradicts with above term) will supersede the above general terms & conditions.