



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

MATERIALS MANAGEMENT

TITLE CERAMIC WOOL AS PER ATTACHED DRAWING	Phone: +91 431 257 7618 Fax : +91 431 252 0719 Email : karthi_25@bheltry.co.in
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	Reference Number: Enquiry 1801401358/03	Enquiry Date: 13.10.2014	Due date for submission of quotation: 28.11.2014
You are requested to quote the Enquiry number date and due date in all your correspondences. This is only a request for quotation and not an order			

BHEL/Trichy is looking for empanelment of new vendors for supply of "CERAMIC WOOL AS PER ATTACHED DRAWING".

BHEL commercial terms & conditions with Price Bid formats and all annexure can be downloaded from BHEL web site http://www.bhel.com or from the Government tender website http://tenders.gov.in (public sector units) Bharath Heavy Electricals Limited) under enquiry reference " XXXXXXXXXX "	
Tenders should reach us before 14:00 hours on the due date Technical bid will be opened at 14:30 hours on the due date Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present.	Yours faithfully, For Bharath Heavy Electricals Limited DGM / MM



General Note: **BHARAT HEAVY ELECTRICALS LIMITED**

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(A Government of India Undertaking)
HIGH PRESSURE BOILER PLANT
PURCHASE DEPARTMENT - FOSSIL BOILERS
THIRUCHIRAPALLI - 620014
TAMILNADU (INDIA)

PHONE : 2577359
GRAMS : BHARATELEC
FAX NO: 2520719
E-mail :
Web :

429-002/A

OFFICE COPY

Collective No.	Enquiry Date	Due Date For Quotation
1801401358	13.10.2014	28.11.2014

Please quote Enquiry No, Date and due date in all correspondences.
This is only a request for quotation and not an order

Item	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10	220208570000 Ceramic Wool as per drawing no.4-33-021-00873/Rev 01. Quality Plan - CQP 4435 / Rev 04. Material shall be packed in Polythene sheet havinh thickness of at least 0.2 mm plus 5 ply DFC Carton box.	M2	14500.000	5,800.00	24.01.15
				8,700.00	24.11.15

General Note:

- Offer shall be submitted in two part basis on FOR/site basis all inclusive of P&F and Freight charge. Insurance charges shall be to BHEL scope.
- The delivery dates indicated above are tentative and the exact delivery date will be indicated in the purchase order.
- We here by attaching the general terms, Commercial terms & Special Terms along with this enquiry (Annexure I to VI). Please furnish your pointwise confirmation to all annexures.
- Kindly take care to submit all documents mentioned in the Checklist attached with this enquiry.
- Deviation if any shall be indicated clearly in the offer.
- The tender will be finalized on package basis are as given below.
Package 1:
Ceramic Wool for Suratgarh Project - 5800 sq.m.
Package 2:
Ceramic Wool for NabiNagar project - 8700 sq m.
- K-value certificate meeting BHEL specification should have validity on the date of price bid opening as well as during the time of inspection after PO. Valid k-value certificate shall be submitted along with the offer. If there is no valid k-value certificate, the offer will be rejected.
- Special provision for MSE (Micro and small enterprises) is give in the attached Annexure-B. Vendors falling under that category shall submit all required supporting documents.
- MSE VENDOR: MSE suppliers can avail the intended benefits only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (five years from the date of issue of

The offers should reach us 30 minutes before the time of opening of tenders.
The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening.Late and delayed offers are liable to be rejected.

Yours faithfully,
For **BHARAT HEAVY ELECTRICALS LIMITED**

MANAGER / PURCHASE
(FOSSIL BOILERS)



BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)
HIGH PRESSURE BOILER PLANT
PURCHASE DEPARTMENT - FOSSIL BOILERS
THIRUCHIRAPALLI - 620014
TAMILNADU (INDIA)

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acknowledgement in EM, II) or valid NSIC certificate or EM II certificate along with attested copy of a CA certificate (Format enclosed at Annexure -1 where deemed validity of EM H certificate of five years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be the date of bid opening (Part 1 in case of two part bid). Non submission of such documents will lead to consideration of their bid at par with other bidders. No benefit shall be applicable for this enquiry if any deficiency in the above required documents are not submitted before price bid opening. If the tender is to be submitted through e-procurement portal, then the above required documents are to be uploaded on the portal. Documents should be notarized or attested by a Gazetted officer.

10.This tender may be finalized through Reverse Auction and the guidelines for the same is given in the Annexure I.

11.Loading will be applicable as indicated in Annexure II. Confirmation for all points in the Annexure II shall be given.

12.Suratgarh and Nabinagar projects being mega power projects, ED is exempted against applicable documents and the same will be provided during the time of dispatch.

13.In case of qualifying MSE vendor, PO will be given for 2900 sq.m pertaining to Nabinagar project.

14.Tender will be finalized on the basis of total cost to BHEL and L1 vendor will be arrived accordingly.

15.Price bid shall be submitted as per format in Annexure VI.

16.Supplier registration forms with all required credentials and confirmations/supporting documents for PQR(Annexure VIII) shall be submitted along with the techno-commercial bid.

17.Price bid will be opened only after evaluation, acceptance and inclusion of vendor in BHEL PMD as per prevailing guidelines.

18.The pre qualification requirement(PQR) of this tender is as follows.

a)The vendor should meet the specification requirements.

b)The vendor should have at least more than a year experience in the field.

c)Ensure the vendor supplied material to power plant application.

d)The vendor has to be produce test certificate as per the specification requirements.

19.Offers not meeting PQR as well as BHEL specifications will be rejected.

20.Point nos 1 to 15 are common to both BHEL registered as well as non BHEL registered vendors. Points 16 to 19 are applicable only for new/vendors not registered by BHEL.

This is an open tender and same has been published on BHEL & NIC website http://www.bhel.com/tender/tender_home.php & <http://tenders.gov.in> and also in leading national dailies with ref no NIT_XXXXX. All corrigendums will be

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Yours faithfully,
For **BHARAT HEAVY ELECTRICALS LIMITED**

MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,

BHARAT HEAVY ELECTRICALS LIMITED

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HIGH PRESSURE BOILER PLANT
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THIRUCHIRAPALLI - 620014
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published on BHEL & NIC websites only, vendors are requested to visit these websites regularly.

Enclosures:

1. Checklist.
2. Annexure I - Guidelines for reverse auction.
3. Annexure II - Commercial terms and conditions with loading criteria.
4. Annexure III - Drawing No 4-33-021-00873/01.
5. Annexure IV - Special Provisions for MSE vendors.
6. Annexure V - General Conditions.
7. Annexure VI - Price Bid format.
8. Annexure VII - Quality Plan.
9. Annexure VIII - Pre Qualification requirements.
10. BHEL Terms and conditions.

"LD clause has to be confirmed without fail."

PR Links

Material.	PR.No	PR.Item.	Quantity	Acc. Assign	Customer Number
220208570000	106419975	00010	2900.000	U6/1718-LU-656-1-33-021	U6/1718
220208570000	106419986	00010	2900.000	U6/1719-LU-656-1-33-021	U6/1719
220208570000	107123749	00010	2900.000	U6/1715-LU-535-1-33-021	U6/1715
220208570000	107123759	00010	2900.000	U6/1716-LU-535-1-33-021	U6/1716
220208570000	107123769	00010	2900.000	U6/1717-LU-535-1-33-021	U6/1717

List of suppliers

RFQ-5200003356

Open Tender Dummy Code

The offers should reach us 30 minutes before the time of opening of tenders.
The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening. Late and delayed offers are liable to be rejected.

Yours faithfully,
For **BHARAT HEAVY ELECTRICALS LIMITED**

MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,

Terms & Conditions of Reverse Auction

Against this enquiry for the subject item/ system with detailed scope of supply as per enquiry specifications, BHEL may resort to “REVERSE AUCTION PROCEDURE” i.e., ON LINE BIDDING (THROUGH A SERVICE PROVIDER). The philosophy followed for reverse auction shall be English Reverse (No ties).

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. Those bidders who have given their acceptance for Reverse Auction (quoted against this tender enquiry) will have to necessarily submit ‘online sealed bid’ in the Reverse Auction. Non-submission of ‘online sealed bid’ by the bidder for any of the eligible items for which techno-commercially qualified, will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.
3. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
4. In case of reverse auction, BHEL will inform the bidders the details of Service Provider to enable them to contact & get trained.
5. Business rules like event date, time, bid decrement, extension etc. also will be communicated through service provider for compliance.
6. Bidders have to fax the Compliance form (annexure IV) before start of Reverse auction. Without this, the bidder will not be eligible to participate in the event.
7. In line with the NIT terms, BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at “Total Cost to BHEL” like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the bidder to enable them to fill-in the price and keep it ready for keying in during the Auction.
8. Reverse auction will be conducted on scheduled date & time.
9. At the end of Reverse Auction event, the lowest bidder value will be known on auction portal.

10. The lowest bidder has to fax/e-mail the duly signed and filled-in prescribed format for price breakup including that of line items, if required, (Annexure VII) as provided on case-to-case basis to Service provider within two working days of Auction without fail.
11. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL's standard practice.
12. Bidders shall be required to read the "Terms and Conditions" section of the auctions site of Service provider, using the Login IDs and passwords given to them by the service provider before reverse auction event. Bidders should acquaint themselves of the 'Business Rules of Reverse Auction', which will be communicated before the Reverse Auction.
13. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, action *as per extant BHEL guidelines*, shall be initiated by BHEL and the results of the RA scrapped/ aborted.
14. The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.
15. In case BHEL decides to go for reverse auction, the H1 bidder (whose quote is highest in online sealed bid) may not be allowed to participate in further RA process.

ANNEXURE-II**ACCEPTANCE OF TECHNO - COMMERCIAL TERMS AND CONDITIONS BY THE BIDDERS**

Description of the Equipment:	Supply of Ceramic Wool	
BHEL Tender No. & Date	1801401XXX/03 dt XX.10.2014	
SI No.	Terms and conditions	Vendor's confirmation
1	<p>Technical : Supply shall be as per drawing no: 4-33-021-00873 Rev 01.</p> <p>Quality Plan:- CQP 4435 Rev 04 shall be complied with.</p> <p>Packing Detail:- Material shall be packed in Polythene sheet having thickness of at least 0.2 mm plus 5 ply DFC carton box .</p>	
2	<p>Firm Price: The quoted / finalised rates shall be Firm till execution of the supplies. Offer with PVC clause will not be considered.</p>	
3	<p>Price Basis: For indigenous Vendors: The quote shall be on FOR respective site basis inclusive of Packing and forwarding and Freight charges to your account. Please quote separate break up prices for Base price, Freight charges. Taxes and duties will be applicable only on base price.</p> <p>Insurance shall be to BHEL scope. Offer will be loaded 0.07% of (Basic material value + ED + Forwarding & Packing + Freight charges).</p> <p>For Imported Vendors: The quotes shall be on FOB basis inclusive of P & F charges. Freight and Insurance charges shall be to BHEL scope.</p>	
4.1	For indigenous vendors:-	
4.1(a)	<p>Payment terms:- 100% direct payment against receipt and acceptance of materials at site within 45 days.</p>	
4.1(b)	<p>Loading Criteria for Payment Terms: Any deviation in the BHEL payment terms will attract loading as per below.</p> <p>“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”.</p> <p>Payment through bank is not acceptable. If still demanded by vendor, loading will be 5% on the offered material value.</p> <p>LC will not be operated for Indigenous vendors. Offers with payment terms as LC from indigenous vendors will be rejected.</p>	

4.2	For imported vendors:	
4.2 (a)	BHEL Payment term is 100% payment on CAD basis after 45 days from the date of receipt of documents, specified in PO, at BHEL bank. Respective bank charges to respective account.	
4.2 (b)	Loading Criteria for Payment Terms: Any deviation in the above payment term will attract loading as mentioned below. “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.	
4.2.(c)	1.In the case of Usance LCs, the loading will be considered @ 1.5% on the offered Value. 2. For LC at sight the loading will be considered @ 3.5% on the offered Value. 3. Normally CAD at sight and Confirmed LCs are liable for rejection.	
5 (a)	Liquidated damages: Delivery of the goods specified in the purchase order should be made within the time prescribed. Failure to dispatch the materials in the time as per the delivery quoted in our Purchase Order would make the supplier liable to an un-conditional LD at the rate of ½% of the value of goods for each week of delay subject to a maximum of 10% of the Purchase Order value on part there off.	
5 (b)	Loading Criteria LD / Penalty: Any deviation on BHEL LD / Penalty clause, loading (Basic material Value) will be applied to the extent to which it is not agreed by the bidder.	
6 (a)	Guarantee / Warranty Period Guarantee clause 18 months from the date of supply or 12 months from the date of actual put in use, Whichever is earlier.	
6 (b)	Loading Criteria Guarantee / Warranty Period: No Deviation is permitted. If still vendor offered any deviation on the Guarantee / warranty period it may leads to rejection of offer.	
7	Taxes & Duties: All Taxes, Duties, Service Taxes etc. payable as extra to the quoted price should be specifically stated in offers along with CST & TIN No / Tariff No. etc., failing which the purchaser will not be liable for payment of such Taxes and Duties. Our TIN No. 33243560005, TNGST No. 3560005, CST. No. 239383 Dt. 11-06-1991 & BHEL ECC No. AAACB4146PXM012, Assessment circle Tiruverambur.	

8 (a)	ED & Cess:- Nabinagar and Suratgarh are mega power projects and ED is exempted against applicable documents and the same will be provided during dispatch.	
8 (b)	CST / VAT :- Kindly indicate the applicable %.	
9	Risk purchase: If the supplier fails to deliver the goods within the delivery specified in the Purchase Order, BHEL will be entitled to terminate the contract and to Purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or despatch within the delivery period mentioned in the Purchase Order.	
10	Delivery Period: Kindly indicate your delivery period.	
11(a)	Validity: <u>Before Ordering</u> 90 days minimum from the date of techno commercial bid opening.	
11(b)	Validity: <u>After Ordering:-</u> Till the completion of the order.	
12	Prices must be quoted in the format enclosed with this tender.	
13	General Condition: Kindly submit the No deviation format with clear indication of Data Sheet No / Specification ref, Drawing, and Quality plan.	
14	Reverse Auction: BHEL reserves the right to go for Reverse Auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. All bidders to give their acceptance for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA. In case BHEL decides to go for Reverse Auction, only those bidders who have given their acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit online sealed bid" in the Reverse Auction. Non submission of online sealed bid" by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.	
15	Tender Finalization:	

	The tender will be finalized based on the total cost to BHEL and L1 vendor will be arrived accordingly.	
16	Document submission:- In case of PO, documents for approval shall be submitted within 15 days and after every comment from BHEL, revised document shall be submitted within one week's time.	
17	All the technical / commercial details given in the enquiry shall be taken care and offer shall be quoted accordingly. No price impact / implication will be accepted within the validity period.	
18	MSE VENDOR: MSE suppliers can avail the intended benefits only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (five years from the date of issue of acknowledgement in EM, II) or valid NSIC certificate or EM II certificate along with attested copy of a CA certificate (Format enclosed at Annexure -1 where deemed validity of EM H certificate of five years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be the date of bid opening (Part 1 in case of two part bid). Non submission of such documents will lead to consideration of their bid at par with other bidders. No benefit shall be applicable for this enquiry if any deficiency in the above required documents are not submitted before price bid opening. If the tender is to be submitted through e-procurement portal, then the above required documents are to be uploaded on the portal. Documents should be notarized or attested by a Gazetted officer.	
19	BHEL may increase/decrease the quantity of the packages. Same will be informed to all technically suitable vendors before opening price bid / Reverse auction.	
20	Please indicate the exact location of your WORKS / FACTORY.	



PURCHASE SPECIFICATION FOR CERAMIC FIBRE BLANKET INSULATION

01. Material – Ceramic Fibre Blanket as per ASTM C 892–10 Latest.
02. Specification – conform to Gr–8 of Type–III for temperature 1260°C.
03. Thickness – 25 mm and 50 mm with tolerance +3 mm and –2 mm. and size tolerance as per ASTM C 892–10 Latest.
04. Density – Minimum 128 Kg/cum for Gr–8 of Type–III.
05. Inspection and Testing:
Inspection and Testing shall be carried out as per ASTM C 892–10 Latest for the following.
 1. Dimensions
 4. Non Fibrous (Shot) content
 2. Bulk density
 5. Tensile Strength
 3. Linear Shrinkage
 6. Maximum use Temperature
06. Additional test: Chloride content – 10 PPM Max.
07. Thermal Conductivity Test shall be conducted for the mean temperatures of 204°C, 427°C, and 550°C. For 550°C mean temperature, the acceptable maximum k value is 0.196 W/m.K as per ASTM C177.
For other mean temperatures mentioned above, refer ASTM C 892–10.
08. Packing – Packed in Polythene sheet having thickness of at least 0.2 mm plus 5 ply DFC carton box.
09. Marking – The following details shall be legibly written on the box.
The same details also shall be typed on a sheet of paper and put in a sealed polythene cover shall be kept inside and outside the box.
Density, Size, Supplier’s name, Thickness, Customer no., Batch no., Purchase Order no., Number of pieces and Weight of package in Kgs.

Caution Note: "Always store under covered shelter and raised platform" shall also be marked on the packing.

The Blue color coding shall be made on the boxes to a size of 150 mm x 100 mm as per the color coding scheme.

REV 01	Date: 08.03.12	PREPARED: A.R.JOTHI APPROVED: C.G.S	REV 02	Date:	PREPARED: APPROVED:	REV 03	Date:	PREPARED: APPROVED:
Specification modified.								
INSULATION		PREPARED	A.R.JOTHI GURUNATHAN	Sd.....	27.01.12	4-33-021-00873		01
		CHECKED	K.SELVAM	Sd.....	27.01.12			
		APPROVED	C.GUNASEKARAN	Sd.....	28.01.12			
						DRAWING NO :		



An ISO 9001
Company

Bharat Heavy Electricals Limited
(High Pressure Boiler Plant)
Tiruchirappalli-620 014, Tamil Nadu, India
Dept : PURCHASE-MATERIALS MANAGEMENT/BOI

Annexure - IV

Clause: Special Provisions for Micro and Small Enterprises (MSE):

1. 20% of the tendered quantity is earmarked for MSE suppliers in this tender.
2. Out of the 20% tendered quantity reserved for MSE suppliers, 4% shall be earmarked for procurement from MSE owned by SC / ST entrepreneurs.
3. In case MSE vendor participating in the tender quotes within the price band of L1 + 15%, they will be allowed to supply the portion of the requirement subject to acceptance of L1 price by MSE vendor. In case of more than one such MSE, the supply shall be shared proportionately.
4. MSE suppliers can avail the intended benefits only if they submit along with offer, attested copies of either EM II certificate having deemed validity (Two years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with CA certificate (Format enclosed) applicable for the year, certifying quantum of investment in plant and machinery within the permissible limit as per the act for relevant status (Micro or small) where the deemed validity of EM II is over. Date to be reckoned for determining the deemed validity will be the last date of technical bid submission. Non submission of such documents will lead to consideration of their bids at par with other bidders and MSE status of such suppliers shall be shifted to Non MSE supplier till the supplier submits these documents.

Annexure V - GENERAL CONDITIONS

1. This tender is for the supply of Ceramic wool. Supply shall be in line with drawing no-4-33-021-00873 Rev 01 and all points in CQP 4435 Rev 04 shall be complied with as mentioned in this tender enquiry. Documents related to our CQP shall be submitted along with the offer.
2. This requirement is for our Suratgarh-7 & 8 (1718 & 1719) and Nabinagar 1 to 3 (1715 to 1717) projects and will be ordered as package wise L1 as indicated in the enquiry special instructions.
3. The vendor shall have at least more than a year experience in manufacturing and supply of Ceramic wool.
4. Vendor shall indicate in their offer clearly the monthly tonnage that can be manufactured in their factory against the requirement and also their total manufacturing capacity in MT / Month. If vendor is not having adequate manufacturing capacity, offers may not be considered.
5. The tender is in two parts. One part consisting of techno-commercial details along with PQR (Pre-qualification requirements) and other with price details. Part 1 and Part 2 shall be submitted in separate sealed covers. In addition to technical and commercial conditions, vendors who are not registered vendor of BHEL, Trichy have to submit the filled in "Supplier Registration Forms" (*to be filled online*) along with the technical bid. Based on this and other conditions, as well as capacity and capability, vendors will be short-listed. Both these covers are to be put in a single cover duly super scribing the Enquiry Number. The part 1 bid will be opened on the due date and based on the acceptance of vendor(in case of non-PMD vendors) on technical grounds, vendor evaluation and inclusion of vendor into BHEL PMD, the part 2 bid (price bid) of the qualified vendors will be opened on a suitable date with due intimation.

Following will be the criteria for vendors to qualify:

- a. Vendor should have been approved by BHEL Trichy for this items under Permanent category (OR)
- b. Vendor should submit the following documents for considering them as an approved vendor:
 - i. Duly filled-in Supplier Registration Forms through online portal.

- ii. Availability of minimum manufacturing, handling, testing and measuring facilities as detailed in the Supplier Registration Form.
- iii. BHEL will have the right for spot assessment of the facilities for assessment.
- iv. Qualifying to our techno commercial requirements of the Enquiry.

Offers submitted by vendors who are not registered by BHEL should submit the filled in SRF (Supplier Registration Forms) along with your offer. Otherwise, your offer will be rejected.

- 6. BHEL reserves the right to increase or decrease the tendered quantity and split the tendered quantity among more than one tenderer and place orders accordingly in any proportion based on commitment, requirement and supplier's capability in terms of delivery and quality as assessed by BHEL.
- 7. BHEL reserves the right to negotiate the L1 rate.
- 8. BHEL reserves the right to re-float the tender opened, if L1 price is not the lowest acceptable price to BHEL inter-alia other reasons.
- 9. BHEL reserves the right to order on more than one vendor at the lowest acceptable price to BHEL.
- 10. Vendors have to confirm to the Annexure II - Commercial Terms attached.
- 11. BHEL standard LD condition is 0.50 % per week to a maximum of 10 % of the total order value.
- 12. Vendors have to give confirmation to BHEL drawing as attached in this tender.
- 13. K-value certificates meeting BHEL specification should have validity on the date of price bid opening as well as during the time of inspection after PO. Otherwise, the offer will be rejected.

Mrs. B S Karthiga

Sr.Engineer/MM/BOI
karthi_25@bheltry.co.in
0431-2577618

Annexure-VI-Price Bid format for Enquiry no- 180140xxxx dt xx.10.2014

Material	Ceramic Wool						
Vendor Name							
Sr no	Project Name	Suratgarh-7 & 8 (1718 & 1719)			NPGCL Nabinagar-1,2& 3 (1715,1716 & 1717)		
	Material	Qty in Sqm	Unit rate (Rs)	Total Value (Rs)	Qty in Sqm	Unit rate (Rs)	Total Value (Rs)
	50 MM Ceramic wool Density 128 Kg/Cu.m	5800.00	100.00	580000.00	8700.00	100.00	870000.00
1	Base Price			580000.00			870000.00
2	Packing & forwarding (% of Basic price)		0.00%	0.00		0.00%	0.00
3	Exworks Value (Base Price + P & F)			580000.00			870000.00
4	Excise Duty (Exworks value * 0%)		0.00%	0.00		0.00%	0.00
5	CST/VAT ((Exworks value + Excise Duty) * 2%) / (Exworks value + Excise Duty) * 5%/12.5%/14.5%)		2.00%	11600.00		2.00%	17400.00
6	Freight - Vendor scope (% of Exworks value)		1.00%	5800.00		1.00%	8700.00
7	Insurance-BHEL Scope ((Exworks value + Excise duty + Freight charges) * 0.07%)		0.070%	410.06		0.070%	615.09
8	FOR Destination/Site Value (Rs)			597810.06			896715.09

Instruction	Please quote price in above format. Any other charges may be indicated separately. This format must be attached in pricebid only and not in technical bid.
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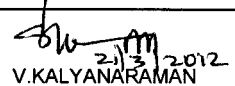
Values in shaded portion are taken as a sample only. Vendor have to fill these value as per their offer.


	MANUFACTURER'S NAME & ADDRESS BHEL: TIRUCHIRAPPALLI / APPROVED MANUFACTURER	STANDARD QUALITY PLAN					QP NO.: CQP:4435 REV.NO.04 DATE: 21/03/2012 PAGE: 1 OF 2				
	ITEM: CERAMIC FIBRE BLANKET. (HIGH TEMPERATURE FIBRE BLANKET THERMAL INSULATION. As per ASTM C892-10										
	SUB-SYSTEM :Steam Generator and Auxiliaries,										

SL. NO.	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK		REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD		AGENCY			REMARKS
					C	N			M	C	N			
1	2	3	4	5	6		7	8	9	D	**	10	11	

1.0 RAW MATERIAL:													
1.1	Shall be composed of Inorganic fibres	Chemical Properties	B	Lab analysis	Batch	As per vendor standard.	MTC		P	V	V		
1.2	Raw material Chemistry	Physical Properties	B	Review of Document	Batch	As per vendor standard.	MTC		P	V	V		
1.3	Specification	Type, Grade, Temperature of use, Size: Length, Width & Thickness	B	Visual, Dimensional	Batch	BHEL Tehnical specification/ Approved data sheet/ BHEL PO / ASTM C892	IR	√	P	W	W		

2.0 IN PROCESS CONTROL:													
2.1	Apparent Thermal Conductivity. K. Value	Thermal transmission properties	A	Lab Test (Ts)	1 sample/ density	BHEL Specification/ Approved data sheet/ BHEL PO / ASTM C892 / ASTM C 177	LTC	√	P	V	V		Refer Note:1
2.2	Tensile strength (Kpa)	Physical	A	Lab Test (T)	1 sample/ Batch	BHEL Specification/ Approved data sheet/ BHEL PO / ASTM C892 / ASTM C 209 Gr8 – 20.7 KPa	LTC	√	P	W	W		Refer Note: 1
2.3	Dimensional measurement and Bulk density	Physical	B	Lab Test (R)	Refer Note: 2 1 sample per BHEL PO for the offered inspection lot.	BHEL Specification/ Approved data sheet/ BHEL PO / ASTM C167. Gr8- min 128 kg/m3	LTC	√	P	W	W		
2.4	Max. use temperature and Exothermic temperature Type-III-1260°C	Physical	B	Lab Test (R)		BHEL Specification/ Approved data sheet/ ASTM C892	LTC	√	P	W	W		
2.5	Non Fibrous content (Shot) (% Mass)	Physical	B	Lab Test (R)		ASTM C 892 & ASTM C 1335 Acceptance : 30% max	LTC	√	P	W	W		
2.6	Linear shrinkage * After 24 Hours firing at use temperature.	Physical	B	Lab Test(R)		ASTM C 892 & ASTM C 356. Acceptance: 5% max at maximum temperature of use.	LTC	√	P	W	W		
2.7	Chloride content	Chemical Analysis	B	Lab Test (R)		As per vendor standard. Acceptance: 10ppm max.	LTC	√	P	W	W		

<i>J. Nanthini</i> 21/03/2012 J.NANTHINI	 21/3/2012 V.KALYANARAMAN	LEGEND: * RECORDS, IDENTIFIED WITH "TICK" (√) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION. ** M: MANUFACTURER C: MANUFACTURERS' QC N: BHEL / BHEL AIA CLASS: A - CRITICAL ; B - MAJOR ; C - MINOR P: PERFORM. W: WITNESS. V: VERIFICATION CHP: CUSTOMER SHALL IDENTIFY IN COLUMN "N" AS 'W'
PREPARED BY	APPROVED BY	SIGNATURE

	MANUFACTURER'S NAME & ADDRESS BHEL: TIRUCHIRAPPALLI /		STANDARD QUALITY PLAN					QP NO.: CQP:4435					
	APPROVED MANUFACTURER		ITEM: CERAMIC FIBRE BLANKET. (HIGH TEMPERATURE FIBRE BLANKET THERMAL INSULATION. As per ASTM C892-10)					REV.NO.04 DATE: 21/03/2012					
			SUB-SYSTEM :Steam Generator and Auxiliaries,					PAGE: 2 OF 2					
SL. NO.	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK		REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	AGENCY			REMARKS
					C	N				M	C	N	
1	2	3	4	5	6		7	8	9	D	**	10	11

3.0	PACKING, MARKING AND PRESERVATION:													
	Packing, Marking and Preservation.	Identification Protection	B	Visual	100%	BHEL Specification/ Approved data sheet/ BHEL PO			IR		P	W	W	
4.0	CERTIFICATION	Test certificate	B	The supplier shall furnish the certificates indicating the Date of manufacture, batch number, batch quantity, date of testing, specification to which the material is tested for the routine tests conducted and type test conducted.					√	P	W	W		

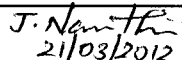
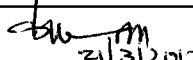
LEGEND:

MTC- Mill /Manufacturer's Test Certificate; LTC- Laboratory Test Certificate. IR- Inspection Report. (R): Routine test. (T) & (Ts): Type test.

BATCH – Entire production made in identical conditions VIZ., total production of fiber blankets from start up to close of furnace for a particular period. The batch shall be constituted of same size in thickness of the blanket.:

NOTES:

- Type test marked as '(Ts)' shall be done once in 12 month and shall be carried out in any one of the following laboratories with the consent of BHEL. (Manufacturer shall inform BHEL during the offer stage). A copy of the valid type test report shall be attached along with the enquiry offer.
 - Government approved laboratory.
 - NABL accredited laboratory.
 - Laboratory proposed by the manufacturer.
 - If the test is performed outside India then shall be witnessed and Certified by a well known inspecting authority of that country. A copy of Thermal conductivity test certificate shall be submitted to BHEL Engineering/QA for review and approval. BHEL approved copy of the same shall be produced during the inspection of the product at the manufacturing works.
- All routine tests shall be carried out in the Manufacturers own laboratory (Shall be approved by BHEL) / Government approved / NABL accredited laboratory. Tests reports of the routine test on the samples conducted at every 2 hours during processing of BHEL order by Manufacturer's QC shall be furnished for BHEL/BHEL AIA review and verification during Inspection.
- BHEL TECHNICAL SPECIFICATION: FBC&HRSG: 33:1101 Rev-02 for PCPS PO & BHEL PURCHASE SPECIFICATION: 4-33-021-00873 Rev-01 for FB PO
- Products shall be inspected by BHEL/BHEL Authorized Inspection Agency/Customer- as indicated in the BHEL purchase order.
- Manufacturer shall prepare and submit a separate manufacturing quality plan wherever BHELs customer approval is required as specified in the BHEL purchase order.
- BHEL Approved manufacturers: (1) M/s. Lloyd Insulation/Chennai. Works at (a) Pithampur . Indore. & (b) Baddi. Chattisgarh.
(2) M/s. Murugappa Morgan Thermal Ceramics Ltd / Chennai. Works at: (a) Ranipet .Tamilnadu & (b) Motiboyan .Ahmedabad.
(3) M/s. Unifrax India Ltd .Chennai Works at: Surendranagar .Gujarat. (4) M/s Europolit Ltd, Poland.

 21/03/2012 J.NANTHINI	 21/3/2012 V.KALYANARAMAN	LEGEND: * RECORDS, IDENTIFIED WITH "TICK" (√) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION. ** M: MANUFACTURER C: MANUFACTURERS 'QC N: BHEL / BHEL AIA CLASS: A - CRITICAL ; B - MAJOR ; C - MINOR P: PERFORM. W: WITNESS. V: VERIFICATION CHP: CUSTOMER SHALL IDENTIFY IN COLUMN "N" AS 'W'
PREPARED BY	APPROVED BY	
SIGNATURE		

Annexure VIII-Pre Qualification Requirements (PQR)

1. The vendor should meet the specification requirements.
2. The vendor should have at least more than a year experience in the field.
3. Ensure the vendor supplied material to power plant application.
4. The vendor has to be produce test certificate as per the specification requirements.

TERMS AND CONDITIONS

1. a) **QUOTATIONS** : Each tender should be sent in double cover, inner cover should be sealed with tenderer's distinctive seal and superscribed with correct tender No. item of supply and due date of opening. The outer cover should only bear the address of this office and should not have any indication that a tender is within. Two or more quotations should not be sent in one cover but the quotation against each tender should be sent separately to avoid confusion. Tender should not be addressed to any individual's name but only by designation.

b) Tenders should be free from **CORRECTION AND ERASURES**. Corrections if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.

c) Price should be net F.O.R. despatching station inclusive of risk in transit and remain valid for 60 days from the due date.

d) If any Sales Tax is payable as extra to the quoted price it should be specifically stated in quotations alongwith CST & TNGST No failing which the purchaser will not be liable for payment of Sales Tax. Our T.N.G.S.T No 3560005 Dt. 01-04-1995 CST No. 239383 Dt. 11.6.1991.

e) No revision of prices will be entertained after tenders are opened.

f) Manufacturer's Name, Trade Mark or Patent No. if any should be specified. Illustrative leaflets giving technical particulars are required alongwith quotation wherever necessary.

g) Products with I.S.I Certification marks will be preferred.

h) The purchaser shall be under no obligation to accept the lowest or any other tender and shall be entitled to accept or reject any tender in part or full without assigning any reason whatsoever.

2. **SAMPLES** : Wherever possible, sample should be submitted separately whether specifically requested or not so as to reach the purchaser on or before the due date of the enquiry. They should be clearly marked with the enquiry No and the date on the outside cover to facilitate identification.

3. **PACKING AND MARKING**: The supplier shall arrange for securely protecting and packing the stores to avoid loss or damages during transit.

4. **TERMS OF PAYMENT** : Payment will be made within 30 days of satisfactory receipt of materials at site. Wherever required by the purchaser the successful tenderer must send the operation and maintenance manuals, test certificates, drawings, etc., for the materials ordered. These should be sent immediately after despatch of the materials and a statement to that effect should be made in the invoice. Failure to comply with this provision will result in delay in payment of the bills. Goods despatched either by V.P.P or by the document presented through bank will not be accepted unless agreed to by the Purchaser.

The duplicate copy of the invoice meant for the transporters should accompany the material as stipulated under C.E. Rules 52A and 173C (or 57GG. A photostat copy of the above invoice for each delivery challan should be submitted alongwith the original bills routed through bank & submitted directly to BHEL Finance Department.

5. **SECURITY DEPOSIT** : For purchases over Rs. 5,000/- the successful tenderer/s may be requested to furnish a Bank Guarantee. Security Deposit for an appropriate value as may be determined by BHEL.

6. LIQUIDATED DAMAGES/ PENALTY AND INTEREST ON ADVANCES FOR DELAY IN DELIVERY:

If the supplier fails to deliver the raw material / equipment / components within the period specified in the contract the purchaser shall deduct Liquidated Damages a sum equivalent to 0.5 % of the price for each week of delay upto a maximum of 15% of the price of the delayed / undelivered goods. In addition to the recovery of interest at normal cash credit rate plus 2% for the unadjusted portion of the advances. If the delay in delivery of a part contributes to delay in execution of total system, LD and interest on advances will be recovered on the total contract price / total advance paid.

7. **RISK PURCHASE** : Alternatively the purchaser at his option will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or despatch within the time stipulated aforesaid or if the same were not available, the best and the nearest available substitute therefor. The supplier shall be liable for any loss which the Purchaser may sustain by reason of such risk purchases in addition to penalty at the rate mentioned in clause 6 above.

8. **PREFERENTIAL DELIVERY** : It should be noted if a contract is placed on a higher tenderer as a result of this invitation to tender preference to the lowest acceptable offer in consideration of the earlier delivery, the seller will be liable to pay to the purchaser the difference between the contract rate and that of the lowest acceptable tender on the basis of final price F.O.R. destination, including all elements of freight, sales tax, duties and other incidents, incidental in case of failure to complete supplies in terms of such contract within the date of delivery specified in the tender and incorporated in the contract.

9. **MODVAT CREDIT** : If any Excise Duty is payable, the chapter head/sub-head reference and the rate of the duty should be quoted. If the tender is availing MODVAT credit for this input materials, the effect of proforma credit should be passed on to the purchaser. Tenderer under "MODVAT" shall be preferred.

10. **Purchase** : Preference will be given to CPSUs as per Government Guidelines.

11. **GENERAL** : The purchaser reserves the right to split up the tender and place order for individual terms with different tenderers and also increase or decrease the quantity.

Any Other conditions which might have been quoted by the Seller and are in contravention to the terms prescribed in the order and which have not been specifically accepted in by Purchaser will not be applicable to the contract.

Checklist

For Registered vendors with Permanent Vendor code

1. Confirmation to all Annexures I to VI

For New Vendors not registered with BHEL Trichy

1. Confirmation to all Annexures I to VI
 2. Technical brochure.
 3. Supplier Registration Form (SRF) has to be duly filled up online and send one copy with all the documents as mentioned in SRF. Offers with incomplete forms will not be entertained
- URL for online Registration form is as below

<http://vis.bheltry.co.in/olsa/>

For any help regarding filling of SRF, you may contact following

Mr Sukumar (Head - Supplier Development Cell)
Ph: 0431/2577383
Email: sukumar@bheltry.co.in

Mr. Ebinesan (Sr. Manager- Supplier Development Cell)
Ph:0431/2577448
Email ID: ebi@bheltry.co.in

Systems / BHEL /TRICHY
Ph:System SDC:0431/2577121,ljp@bheltry.co.in

Ph:System ERP:0431/2577522,erpsubcon@bheltry.co.in

For any queries regarding tender you may contact

1)Mrs. B. S. Karthiga
Sr.Engineer/MM/BOI
BHEL Trichy
0431-2577618
karthi_25@bheltry.co.in

2)Mr.S. GomathiNayagam
Sr.Manager/MM/BOI
BHEL Trichy
0431-2577617
sgnm@bheltry.co.in