



An ISO 9001  
Company

# Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirppalli-620014, TAMIL NADU, INDIA

Capital Purchase & Spare Parts / Materials Management / Mfg.

<b>ENQUIRY</b>	Phone: +91 431 257 79 39
<b>NOTICE INVITING TENDER</b>	Fax : +91 431 252 07 19
	Email : <a href="mailto:psivasub@bheltry.co.in">psivasub@bheltry.co.in</a>
	Web : <a href="http://www.bhel.com">www.bhel.com</a>

	Enquiry Number:	Enquiry Date:	Due date for submission of quotation:
	2611100030	21.03.2011	29.04.2011

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.

Please note that under any circumstances both delayed offer and late offers will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14.00 hrs on the date of tender opening.

Item	Description	Quantity / Kg.	Dely.Date
10	ENiCrFe3 Inconel covered Electrodes Dia 3.2 mm as per Specification WCPS-804 rev 03. Batch testing at supplier's works.(to be downloaded from web site <a href="http://www.bhel.com">www.bhel.com</a> or <a href="http://tenders.gov.in">http://tenders.gov.in</a> )	250	22.09.2011
20	ENiCrFe3 Inconel covered Electrodes Dia 4.0 mm as per Specification WCPS-804 rev 03. Batch testing at supplier's works.(to be downloaded from web site <a href="http://www.bhel.com">www.bhel.com</a> or <a href="http://tenders.gov.in">http://tenders.gov.in</a> )	6000	22.09.2011
30	ENiCrFe3 Inconel covered Electrodes Dia 5.0 mm as per Specification WCPS-804 rev 03. Batch testing at supplier's works.(to be downloaded from web site <a href="http://www.bhel.com">www.bhel.com</a> or <a href="http://tenders.gov.in">http://tenders.gov.in</a> )	1500	22.09.2011

## Important points to be taken care during submission of offer:

1. Submit your offer in TWO PART BID system as per annexure enclosed.
2. Point to Point confirmation to BHEL's specification and commercial terms and conditions should be provided.
3. BHEL shall have the right to go for Reverse Auction instead of sealed tender bid which will be decided after tender opening.

BHEL's General guidelines / instructions including Commercial terms check-list can be downloaded from BHEL web site <http://www.bhel.com> or from the Government tender website <http://tenders.gov.in> (public sector units > Bharat Heavy Electricals Limited page) under Enquiry reference "2611100030".

Tenders should reach us before 14.00 hours on the due date.  
Tenders 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 BHARAT HEAVY ELECTRICALS LIMITED

  
MANGER / SP & WC / MFG



**BHARAT HEAVY ELECTRICALS LIMITED**  
**TIRUCHIRAPALLI - 620 014**

ENQ.No. 2611100030

**SPECIFICATION**

**WCPS - 804**

**COVERED INCONEL WELDING ELECTRODES**

**WCPS 804**

Rev. No.	00	01	02	03	04	05
Prepared By	* SIGNED 14/01/99	* SIGNED	* SIGNED 05/02/10			
Reviewed By	*	*	* SIGNED 05/02/10			
Approved By (BHEL)	*	* 04.12.09	* SIGNED 05/02/10			
Approved By (CUSTOMER)		Approved as noted 15.01.10	Approved as noted 18.02.10			

**1.0 QUALIFYING CRITERIA**Enq. No. 2611100030

- 1.1 Offers, from such vendors only, will be considered, who have manufactured, tested and supplied the SMAW welding electrode, as specified here-in, in the recent past of at-least five years period.
- 1.2 A test certificate of a batch, supplied within the last five years should be enclosed with the offer. The test certificate should contain chemical analysis & mechanical properties as called for in the BHEL specification. Offers without such a test certificate will not be considered.
- 1.3 Notwithstanding the qualifying criteria, BHEL/NPCIL shall be allowed to visit the vendor's manufacturing and testing centre for further evaluation, if required.

**2.0 SCOPE**

- 2.1 This specification prescribes the requirements for inconel covered electrodes for cladding on steel equivalent to DIN 20MnMoNi55 (modified) and joining DIN17440 – 1.4550 by SMAW welding process.

**3.0 GENERAL REQUIREMENTS**

- 3.1 The proposed electrode should have the TUV approval for use on 20MnMoNi55 (modified) steel.
- 3.2 The technical delivery conditions shall be as per DIN 1736.
- 3.3 The electrode should be manufactured and controlled according to VdTUV 1753 latest issue and ASME Section III NB Div I & ASME Sec II Part C Latest Edition.
- 3.4 The electrode shall be certified according to DIN 50049-3.1B.
- 3.5 The total quantity delivered shall be in the least possible number of batches. Each batch shall be of largest possible size, subject to the limitations of latest issue of VdTUV 1753.

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#### 4.0 CHEMICAL COMPOSITION

4.1 The chemical composition of the weld metal at 5 mm and 6 mm above the base metal when deposited as weld cladding, shall meet the following

C	0.05% max. ( Preferably 0.04 max )
Si	0.50% max.
P	0.015% max.
Nb	2.0-2.5%
Co	0.03% max.
Co + Ta	0.08% max.
Cr	18.0 - 22.0% .
Ni	67% min.
Mn	2-6%
S	0.015% max
Ti	0.50% max.
Fe	4.0% max
Mo	2.0% max.
Cu	0.5% max
N (total)	To be reported
Al	To be reported

The sum total of all other residual elements including N (total) and Al shall not exceed 0.5%.

#### 5.0 NON DESTRUCTIVE TESTING (NDT)

##### 5.1 Liquid Penetrant (surface crack) examination

5.1.1 Each layer of the weld deposited cladding shall be examined by penetrant test. However if Multi layer cladding is carried out in a single preheating period, the intermediate examinations are omitted.

The final machined surface shall be subjected to surface crack examination by liquid penetrant testing before and after simulated heat treatment

5.1.2 Surface indication of any nature and type are not acceptable. Non systematic individual minor indications may be dressed up by light grinding and re-examined.

The following are the acceptance limits .

Broad areas of pigmentation which could mask indications of discontinuities are unacceptable and the areas should be cleaned and re-examined.

## 6.0 MECHANICAL TESTS

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The following are the acceptance limits:

Tensile strength (at Room Temp.)	: 620 – 690 N/mm <sup>2</sup>
Yield strength	: 390 N/mm <sup>2</sup> minimum
(0.2% proof stress at RT)	
% Elongation (L = 5d)	: 30% min.
% Reduction in Area	: To be quoted and reported subsequently.
Minimum absorbed energy	: 79 Joules
(Charpy – V at 20° C)	

6.1 The test plates of minimum 20.0 mm thickness (proper stiffeners, fixturing, clamping to be done to avoid distortion), equivalent to 20MnMoNi55 (modified) for consumable qualification test shall undergo a simulated heat treatment as per the detail given in Annexure -1.

6.2 The electrodes shall be subjected to hot crack test as per Thomas Schaffler. The tests shall indicate absence of sensitivity to hot cracking.  
All the above tests 3.0 to 5.0 shall be carried out for each batch of the electrodes.

### 6.3 Test to be done for consumable batch testing

	Type of test	Direction	Quantity	Remarks
1	Face bend	transverse	2 (4t-180)	Note-2
2	Side bend	transverse	4 (4t-180)	Note-1
3	Tensile	Transverse	2	
4	Impact – Charpy V	Minimum absorbed energy : 79 Joules at 20°C		
5	Chemical		1	
6	Micro/macro/ hardness	transverse	1	
7	Schaefflers test		1	
8	Hot crack test		3	

### Remarks:

Note:1 For two specimen the bead overlap in the first layer and for two other specimens the bead overlap in second layer will be at the point of maximum bending.

Note: 2 Bead overlap shall be at the point of maximum bending

## 7.0 CORE WIRES AND COVERINGS

7.1 Core wires and coverings shall be free of defects which would interfere with uniform performance of the electrodes.

7.2 The covering on the electrode shall be concentric to the extent that the maximum core-plus-one covering dimension shall not exceed the minimum core plus one covering



dimension by more than 7% of the mean dimension in size 2 mm and 2.4 mm, 5% of the mean dimension in sizes 3.2mm and 4 mm and 4% of the mean dimension in sizes 4.8 mm and larger. The concentricity may be measured by any suitable means.

- 7.3 The diameter of core wire shall not vary more than  $\pm 0.05$  mm from size specified. The length shall not vary more than  $\pm 6.4$  mm from that specified.

#### 8.0 EXPOSED CORE

- 8.1 One end of each electrode shall be bare for a distance of 20 mm but not more than 30 mm to provide for electrical contact with the holder.

- 8.2 The other end of each electrode shall be sufficiently bare and the covering tapered to permit easy striking of the arc. The length of the bare portion of the arc end of electrode shall not exceed 1.6 mm or one half of the diameter of the core wire whichever is less.

#### 9.0 MARKING

- 9.1 Each package shall be legibly marked on outside with the following information:

1. Electrode specification and classification numbers.
2. Suppliers name, Trade name of electrode.
3. Electrode size, numbers and net weight.
4. Lot, control, heat and batch number.

#### 10.0 ELECTRODE IDENTIFICATION

- 10.1 All electrodes shall be identified in accordance with the following.

1. At least one legible imprint of the electrode classification and trade name shall be applied to the electrode covering as near as practical to the grip end of the electrode and within 65 mm of that grip end.
2. The numbers and letters of the imprint shall be of bold block type of a sufficient size to be easily readable.
3. The ink used for imprinting shall provide sufficient contrast with the electrode coverings in order that the numbers and letters shall be readable before and after baking at user's works and after normal welding applications.

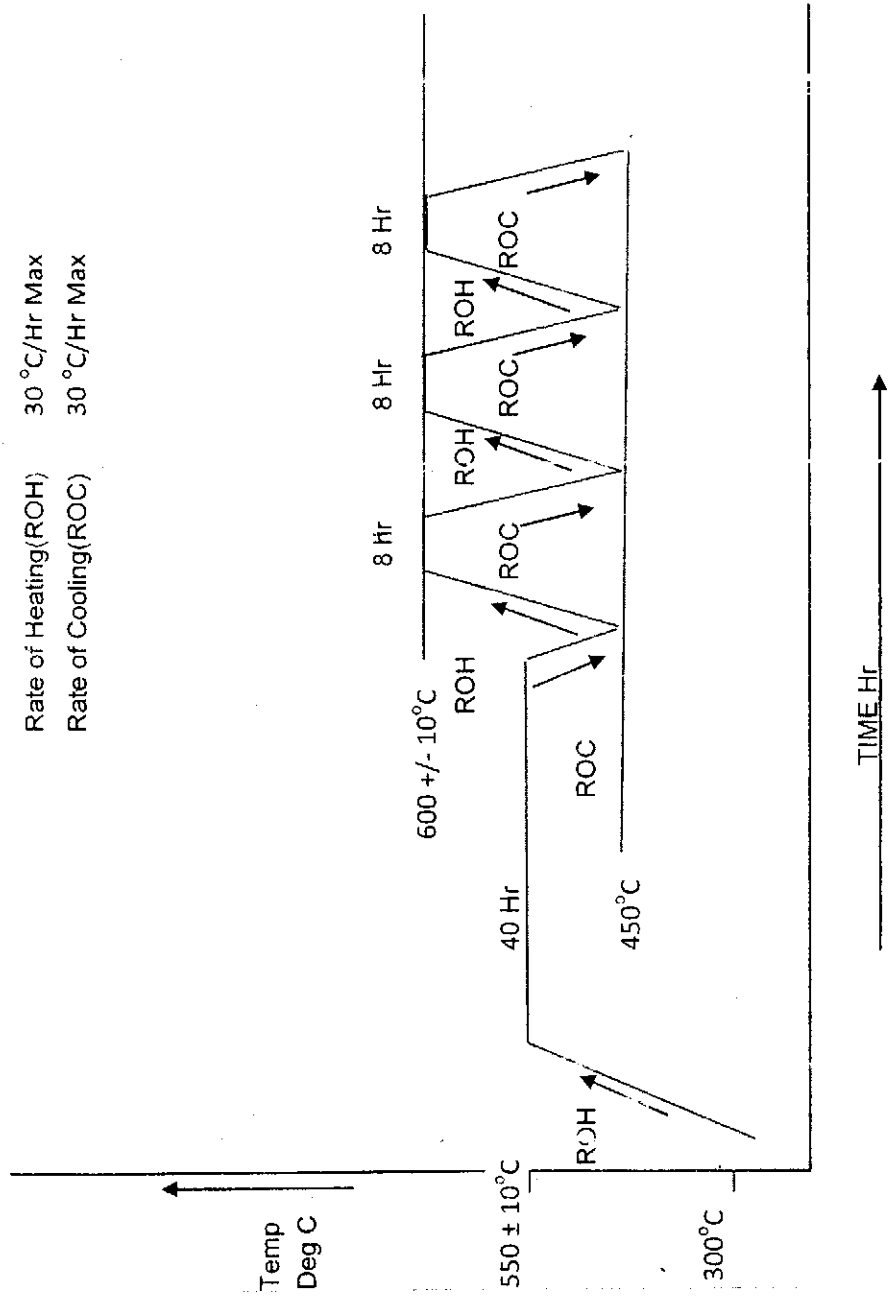
#### 11.0 PACKAGING

Electrodes shall be suitably packaged to insure against injury during shipment and storage under tropical conditions. The package weight shall be as agreed upon by the supplier and the purchaser.

ANNEXURE-1

ENQ. NO. 2611100030

Rate of Heating (ROH) 30 °C/Hr Max  
Rate of Cooling (ROC) 30 °C/Hr Max



INSPECTING AUTHORITIES ( AS ON 30/4/2010 )

NAME OF THE AUTHORITY	AREA OF OPERATION
1. Director of Boilers Andhra Pradesh	Andhra Pradesh
2. Chief Inspector of Boilers Arunachal Pradesh	Arunachal Pradesh
3. Chief Inspector of Boilers Assam	Assam
4. Chief Inspector of Boilers Bihar	Bihar
5. Chief Inspector of Boilers Chattisgarh	Chattisgarh
6. Chief Inspector of Boilers Delhi	N.C.T.D
7. Chief Inspector of Boilers Goa	Goa
8. Director of Boilers Gujarat	Gujarat, Daman & Diu and Dadra & Nagar Haveli
9. Chief Inspector of Boilers Haryana	Haryana & Chandigarh
10. Chief Inspector of Boilers Himachal Pradesh	Himachal Pradesh
11. Chief Inspector of Boilers Jharkhand	Jharkhand
12. Director of Boilers Karnataka	Karnataka
13. Director of Boilers Kerala	Kerala
14. Director of Boilers Madhya Pradesh	Madhya Pradesh
15. Director of Boilers Maharashtra	Maharashtra



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|---|------------------------------------|
| 16. Chief Inspector of Boilers,<br>Meghalaya  | Meghalaya                          |
| 17. Chief Inspector of Boilers<br>Manipur   | Manipur                            |
| 18. Chief Inspector of Boilers<br>Mizoram   | Mizoram                            |
| 19. Chief Inspector of Boilers<br>Nagaland  | Nagaland                           |
| 20. Director of Boilers<br>Orissa   | Orissa                             |
| 21. Director of Boilers<br>Punjab   | Punjab                             |
| 22. Chief Inspector of Boilers<br>Labour Department<br>Government of Puducherry<br>Puducherry                               | Puducherry                         |
| 23. Chief Inspector of Boilers<br>Rajasthan   | Rajasthan                          |
| 24. Director of Boilers<br>Tamil Nadu   | Tamil Nadu                         |
| 25. Chief Inspector of Boilers<br>Tripura   | Tripura                            |
| 26. Director of Boilers<br>Uttar Pradesh  | Uttar Pradesh                      |
| 27. Deputy Director of Factories &<br>Boilers, Uttarakhand  | Uttarakhand                        |
| 28. Chief Inspector of Boilers<br>West Bengal   | West Bengal                        |
| 29. The Hartford Steam Boiler Inspection<br>And Insurance Company, One State Street<br>Hartford, Connecticut 06102<br>U.S.A | In whole of world<br>except India. |
| 30. TUV Nord System GmbH & Co.Kg<br>Langemarckstr 20<br>451141 Essen<br>GERMANY   | All countries except<br>India      |

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|----|---|-------------------------------|
| 31 | Royal & Sunalliance Engineering<br>17, York Street, Manchester<br>M2 3RS ENGLAND  | All countires except<br>India |
| 32 | Japan Inspection Company Limited<br>No.10-7, 1-Chome, Hatchobori,<br>Chou-Ku, Tokyo 104-0032<br>JAPAN                       | All countires except<br>India |
| 33 | S.G.S.Korea Company Limited<br>Industrial Division<br>Yoochang Building<br>25-2, 4-Ka, Jungag-Dong, Jung-Gu<br>Pusan, KOREA | Korea & Japan                 |
| 34 | Bureau Veritas<br>17 vis, Place des Reflets<br>La Defense 2,<br>92400 Courbevoic<br>FRANCE                                  | All countries except<br>India |
| 35 | Lloyds Register of Verfication Ltd.,<br>71, Fenchurch Street<br>London EC 3M,<br>UNITED KINGDOM                             | All countries except<br>India |
| 36 | Velosi Certification Bureau Ltd.,<br>318 Kings Rod, Clifton House<br>Reading Berkshire, RG1 4JG<br>UNITED KINGDOM           | All countries except<br>India |
| 37 | ABSG Consulting Inc.,<br>16800 Greenspoint Park Drive<br>Suite 300 South Houston<br>Texas 77060-2393<br>U.S.A               | All countries except<br>India |
| 38 | TUV Rheinland Brandenburg P falz e.V., Europe<br>Am Grauen stein, D-51105 Klon<br>GERMANY                                   |                               |
| 39 | Moody International Ltd.,<br>Cuckfield House, High Street<br>Cuckfield, West Sussex<br>RH 17 5EL<br>UNITED KINGDOM          | All countries except<br>India |
| 40 | Technischer Uberwachungs -<br>Vercin Saarland e.V.,<br>Am Tuev 1,<br>66280 Sulzbach<br>GERMANY                              | Europe                        |

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|----|---|--|
| 41 | M/s. OOO "Teckno Logichesk<br>Energosistime"<br>1 Kalinia St. Belgorod,308001<br>RUSSIA   | Russia, China,<br>Ukraine & USA  |
| 42 | Det Norske Veritas<br>Veritasveien 1<br>P.O.Box 300<br>N-1322 Hovik<br>NORWAY   | Argentina, Australia ,Austria<br>Belgium, Brazil , Denmark<br>Finland, France, Germany<br>Italy, Japan, Netherlands<br>Norway, Sourth Korea, Spain<br>Sweden , Switzerland, U.K<br>and U.S.A |
| 43 | Engineering Bureau<br>Franke International<br>55,Amurskaya St<br>UKRAINE 49108  | Ukraine, Russia, Belarus,<br>China, Uzbekistan, Poland,<br>Belgium, Romania &<br>Czech Republic.   |
| 44 | ARISE Incorporated<br>Grand Bay 1,<br>7000 South Edgerton Road<br>Suite 100, Brecksville,OH 44141<br>USA                                    | Argentina, Austria, Canada,<br>Brazil, France,Germany,Italy<br>Malaysia, Netherlands,<br>Singapore, UK and USA   |
| 45 | Tata Projects Limited<br>"Mithona Towers-I"1-7-80 to 87<br>Opp.Wesley Co-Ed.Jr.College<br>Prenderghast Road<br>Secunderabad 500 003 (India) | All countries except<br>India  |
| 46 | TUV Sud Industrie Service GmbH<br>Wstendstr.199<br>80686 Munich<br>Germany  | All countries except<br>India  |
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CAPITAL PURCHASE AND SPARE PARTS

COMMERCIAL TERMS AND CONDITIONS

**1.0 QUOTATIONS**

The Bidders shall submit the offer in TWO INNER ENVELOPES as indicated below which shall be sealed in one outer envelope.

**Envelope I:** This sealed envelope should contain all the copies of technical bid together with un-priced commercial bid. This envelope should be clearly marked "Part I - Technical and commercial bid", indicating Enquiry No., Due Date and Address & Reference of the Bidder.

**Envelope II:** This sealed envelope should contain price details. This envelope should be clearly marked "Part II - Price bid", indicating Enquiry No., Due Date and Address & Reference of the Bidder.

Both the envelopes (Part I & II) shall be put in one cover, duly sealed, superscribing as Part I and Part II of Enquiry No., due date of opening and the address and reference of the Bidder.

The above offer should reach this office on or before the due date by 14.00 Hrs (IST). Late offers will not be considered.

Tender should not be addressed to any Individual's name but only by designation to:

MANAGER / CAPITAL PURCHASE / MM / FB  
BHARAT HEAVY ELECTRICALS LIMITED  
HIGH PRESSURE BOILER PLANT  
TIRUCHIRAPALLI - 620 014  
TAMIL NADU, INDIA

Tenders should be free from CORRECTION AND ERASURES, Corrections if any, must be attested. All amount 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.

Offers should be in ENGLISH and accompanied by detailed technical literature, catalogue and detailed dimensional drawings in ENGLISH or otherwise, the offers will not be considered.

**2.0 OPENING OF TENDERS**

The Part I - Technical & commercial bid alone would be opened on the Tender opening date.

The Part II - Price bid of technically suitable Bidders alone would be opened. The Technically suitable Bidders would be informed about the tender opening date. Clarifications if any required by BHEL for Technical evaluation would be sought from Bidders before opening of Part II - price bid.

For any queries / clarifications the bidders may contact us through our FAX NO. +91 431 2520719 or through e-mail [psivasub@bheltry.co.in](mailto:psivasub@bheltry.co.in), [srchandran@bheltry.co.in](mailto:srchandran@bheltry.co.in)

**Bharat Heavy Electricals Limited, Tiruchirapalli – 620 014****Capital Purchase & Spare Parts / MFG**

(To be filled and submitted along with offer)

BHEL Commercial Terms and Conditions for  IMPORT SUPPLIES	Vendor's Confirmation / Comments (To be furnished along with offer copy (or) Technical Bid Copy (Part No -1)
Technical confirmation to BHEL's Specification as called for in BHEL format shall be furnished. If needed additional sheets shall be used.	
Prices shall be <b>quoted item wise</b> only as per the model format enclosed.	
Prices shall be quoted on "FIRM PRICE" basis only. The prices should be only on FOB/FCA basis inclusive of packing & Forwarding charges if any.	
Validity of offer shall be for a minimum period of 120 days from the date of Tender opening	
Delivery period from the date of Letter of Intent / Purchase order shall be clearly mentioned in the offer.	
Liquidated damages @ ½% per week subject to maximum of 15% of the order value shall be applicable for delay in deliveries.	
Following Risk Purchase clause shall be applicable: 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 dispatch within the time stipulated or if the same were not available, the best and the nearest available substitute therefore. The supplier shall be liable for any loss which the Purchaser may sustain by reason of such risk purchases.	
Payment terms for Foreign Vendor (Principal) : 90% value of the goods will be paid through an irrevocable Letter of credit established by our bankers. Balance 10% will be paid against acceptance of goods for which supplementary invoice 10% of total purchase order value shall be submitted. All bank charges outside India are to vendor's account only.	
Payment terms for Indian agent: Indian Agency Commission, if any, shall be clearly specified in the offer and the same will be paid in Indian Rupees against acceptance of the materials.	
Part shipment or Transshipment is not permissible.	
Any warrant replacement during warranty period shall be supplied free of charges on FOB BHEL, Trichy basis.	
Materials will be inspected and proved at vendor's works prior to dispatch. However final inspection and acceptance of equipment will be after installation at BHEL, Trichy.	

ENQ. NO. 261100030

Offers should be submitted only in sealed cover Super-scribing clearly the enquiry reference and Due date.	
As per clause 5.16 of commercial terms and conditions acceptance for participation in Reverse auction (RA) Yes/No to be indicated	
Name of the person participating in Reverse Auction	
Land Line Number	
Fax Number	
Mobile Number	
E-Mail ID	

**NOTE :-**

- It is confirmed that all the terms and conditions stipulated in the Enquiry have been fully understood by us and all clarifications & details have been obtained.
- The prices are to be offered only on FOB/FCA basis, inclusive of packing & forwarding charges if any,
- Your specific acceptance to the BHEL Payment terms, LD, Risk Purchase Clause & are essential for consideration of your offer. Other wise your offer is liable for rejection.

Signature & Office Seal of the vendor

ENQ. NO. 2611100030

**Bharat Heavy Electricals Limited, Tiruchirapalli – 620 014**

**Capital Purchase & Spare Parts / MFG**

**MODEL PRICE BID FORMAT FOR FOREIGN VENDORS**

BHEL Enquiry No. & Date:  
Bidder 's Offer No. & Date :

Sl No	Description of item	Unit	Quantity	Rate .	Value
	Ex-Works value				
	Packing & Forwarding charges (if any)				
	FOB / FCA Charges, if any				
	FOB Value				
	Approximate Freight Charges				
	Approximate Transit Insurance Charges				
	Approximate Gross Weight, Net Weight & Diemensions of the Consignment				

Signature & Seal of the Vendor

BHEL Commercial Terms and Conditions for Indigenous Supplies	Vendor's Confirmation / Comments
Technical confirmation to BHEL's Specification as called for in BHEL Format shall be furnished. If needed additional sheets shall be used.	
Prices shall be quoted item wise only as per the model format enclosed.	
Prices shall be quoted on "FIRM PRICE" basis only. The prices should be only on F.O.R / Despatching station basis inclusive of Packing & Forwarding charges if any. Applicable % of ED & Sales Tax, Freight & Insurance, Installation & Commissioning Charges should be clearly indicated.	
Validity of offer shall be for a minimum period of 120 days from the date of Tender opening	
Delivery period from the date of Letter of Intent / Purchase order shall be clearly mentioned in the offer.	
Liquidated damages @ 1/100 per week subject to a maximum of 15% of the order value shall be applicable for delay in deliveries.	
Following Risk Purchase clause shall be applicable: 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 dispatch within the time stipulated or if the same were not available, the best and the nearest available substitute therefore. The supplier shall be liable for any loss which the Purchaser may sustain by reason of such risk purchases.	
Payment terms for supply portion: • 100% payment will be made within 45 to 90 days after receipt and acceptance of goods at BHEL (or) • 80% value of the goods will be paid within 45 to 90 days against dispatch documents negotiated through bank. Balance 20% will be paid within 45 to 90 days from the date of acceptance of goods against submission of supplementary invoice. All bank charges are to vendor's account only.	
Erection / commissioning: (if applicable only) Erection / commissioning charges if any has been mentioned in the offer or else confirmation that Erection / commissioning shall be done at free of cost is available in the offer.	
The equipment shall be guaranteed for a period of 12 months from the date of commissioning.	
Equipment will be inspected and proved at vendor's works prior to dispatch. However final inspection and acceptance of equipment will be after installation at BHEL, Trichy.	
The vendor shall provide necessary drawings, Test Certificates and Operating Maintenance Manuals etc., as called for in the Technical Specification, in the required number of copies at no extra cost.	
Any warranty replacement during warranty period shall be supplied free of charge on FOR BHEL, Trichy basis.	
Offers should be submitted only in sealed cover super-scribing clearly the Enquiry reference and due date.	
<b>DETAILS REQUIRED FOR CONDUCTING REVERSE AUCTION</b>	
% of Excise Duty with cess	
% of TAX (CST/VAT) (TNGST with FORM-17 or CST with C-FORM)	
Packing & Forwarding Charges (in % only)	
Percentage of Freight & transit insurance charges, if any (Lumpsum)	
Freight charges from Dispatching station to BHEL, Tiruchirappalli (Note: If the delivery terms is Ex Works the materials has to be sent through BHEL approved carrier only. In this case the freight will be borne by BHEL)	
As per Clause 5.17 of Commercial terms and conditions (Annexure-II) acceptance for participation in Reverse auction (RA). Yes/No to be indicated	
Name of the person for participating reverse auction.	
Land Line Number	
Fax Number	
Mobile Number	
E-mail ID	

## NOTE:-

- It is confirmed that all the terms and conditions stipulated in the Enquiry have been fully understood by us and all clarifications & details have been obtained.
- Your offer should be indicating applicable if any P&F Charges, % of ED, Sales Tax -CST or VAT, Service Tax), Freight, Insurance and Installation and Commissioning Charges etc., as per our Price Format.
- Your specific acceptance to our Payment terms, LD & Risk Purchase Clause are essential for consideration of your offer. Other wise your offer is liable for rejection.
- No row shall be left blank. Please indicate NA, in case the item is "not applicable"



Enq. NO. 26/1100030

**Bharat Heavy Electricals Limited TIRUCHIRAPPALLI**

**CAPITAL PURCHASE**

**MODEL PRICE BID FORMAT FOR INDIAN BIDDERS**

Annexure-IV

Enquiry No. & Date:

Bidder's Offer No. & Date:

Sl No.	Description of item	Unit	Quantity	Rate in Rs.	Value in Rs.
	*FOR – TRICHY (BHEL-STORES) OR Ex-Works value in Rs.				
	Packing & Forwarding charges in %				
	Excise Duty (indicate in %)				
	A) TNGST – VAT (%)				
	B) CST with C-FORM – (%)				
	C) CST without C-Form – (%)				
	Approximate Net weight of the total consignment				
	Approximate Gross weight of the total consignment				
	Approximate Dimensions of the Consignment				
	The price indicated shall be inclusive of all accessories, spares etc. as given in the scope of supply. Individual item-wise break-up price shall be attached as an annexure to this price bid format.				

Signature & Seal of Vendor

NOTE :

1. The price bid should be submitted only as per the above format. No row shall be left blank. Please indicate NA, in case the item is "not applicable"
2. Prices shall be quoted item-wise only as per the above format.
3. If Price quoted is Inclusive of ED, the included ED Value and Base Value shall be indicated item-wise.

**GENERAL TERMS AND CONDITIONS OF RA**

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 ON INTERNET.

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. 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.
3. BHEL will inform the vendor in writing in case of reverse auction, the details of Service Provider to enable them to contact & get trained.
4. Business rules like event date, time, Start price, bid decrement, extensions etc. also will be communicated through service provider for compliance.
5. Vendors have to fax the Compliance form in the prescribed format (provided by Service provider) before start of Reverse auction. Without this, the vendor will not be eligible to Participate in the event.
6. 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 vendor to enable them to fill-in the price and keep it ready for keying in during the Auction.
7. Reverse auction will be conducted on scheduled date & time.
8. At the end of Reverse Auction event, the lowest bidder value will be known on the network.
9. The lowest bidder has to Fax the duly signed Filled-in prescribed format as provided on case-to-case basis to BHEL through Service provider within 24 hours of Auction without fail.
10. Any variation between the on-line bid value and the signed document will be considered as sabotaging the tender process and will invite disqualification of vendor to conduct business with BHEL as per prevailing procedure.
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.