

<b>ENQUIRY</b>			Phone: +91 431 257 79 39 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>
	<b>Enquiry Number</b>	<b>Enquiry Date:</b>	<b>Due date for submission of quotation:</b>
	2611100183	28.11.2011	06.01.2012
<p>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</p> <p>Please note that under any circumstances both <u>delayed offer</u> and <u>late offers</u> 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.</p>			

Item	Description	Quantity / Kgs	Delivery Schedule
10	Inconel ERNiCr3 SAW strip 60 x 0.5 mm as per specification WCPS 805 rev 03. Batch testing at supplier's works. ( to be downloaded from web site <a href="http://www.bhelcom">www.bhelcom</a> or <a href="http://tenders.gov.in">http://tenders.gov.in</a> )	9,000	15.03.2012
20	Flux for inconel ERNiCr3 SAW strip as per specification 805 rev 03. Batch testing at supplier's works. ( to be downloaded from web site <a href="http://www.bhelcom">www.bhelcom</a> or <a href="http://tenders.gov.in">http://tenders.gov.in</a> )	13,500	15.03.2012

Contd..

**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.
4. All updates, amendments, corrigenda etc., (if any), will be posted only on the below website as and when required. There will be no publication of the same through newspaper on any other media.

**For any clarifications, please contact :**

**S.Ramachandran ( DGM / CP & SP ) Phone: +91 431 257 7331**  
email : [srchandran@bheltry.co.in](mailto:srchandran@bheltry.co.in)

**P.Sivasubramanian ( Manager / SP & WC) Phone: +91 431 257 7939**  
email : [psivasub@bheltry.co.in](mailto:psivasub@bheltry.co.in)

**BHEL's General guidelines / instructions including Commercial terms check-list can be down loaded 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 " 2611100183 ".**

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

  
MANAGER / SP & WC / MFG



Ti	-	0.4% max.	Al	-	To be reported
P	-	0.015% max.	Fe	-	1.0% max.

Note : Since it is contemplated to use this strip in conjunction with an all mineral type agglomerated flux, it is suggested that all necessary care be taken to maintain the minimum essential levels of intentionally added alloys like Cr & Nb and restrict to the extent possible the maximum levels of permitted impurities like Si, Ti & Fe.

### 3.3 FINISH AND TEMPER

- 3.3.1 The strip electrode shall have a smooth finish, free from slivers, depressions, seams, laps, scratches, scale or other foreign matter that would adversely affect the welding characteristics, the operation of the welding equipment, or the properties of the deposited weld metal.
- 3.3.2 Strip electrodes shall be suitable for uniform uninterrupted feeding on automatic or semi-automatic welding equipment.

### 3.4 WINDING REQUIREMENTS

- 3.4.1 Liners used in coils with support are for the purpose of preventing damage or distortion during normal handling and use of electrodes upon them. Liners shall be of such material and design to accomplish this. Liners shall be sufficiently clean and dry to maintain the cleanliness of the strip electrode.
- 3.4.2 Each coil shall be of only one heat and be of continuous length of electrode.
- 3.4.3 A spooled electrode shall be closely wound in layers, with or without gap between layers and without kinks, waves, sharp bends, which would interfere with the free feeding of the electrode or easy unwinding of the spool. The free end of the spooled electrode shall be secured and identified to enable easy location.

### 3.5 PACKAGING

The electrodes shall be suitably packaged to insure against injuries during shipment or storage under normal conditions.

#### 3.5.1 COIL SIZE

Inner diameter	300 mm
Width	60 mm
Approx. Weight	25 kg.

3.5.2 The coils shall be wrapped in corrosion shielding gas paper and sealed with plastic foil or any other moisture proof packing. Each of such packs shall be contained in cardboard boxes, several such boxes being created in sea worthy wooden cases.

3.5.3 An identification tag shall be attached to each coil in addition to the label put on every spool and cardboard box.

### 3.6 MARKING

3.6.1 Each spool and the outside of each package shall be legibly marked with the following information:

1. Classification and specification numbers.
2. Supplier's name and trade designation.
3. Electrode size length and net weight.
4. Lot, control or heat number.

### 4.0 FLUX

#### 4.1 GENERAL REQUIREMENTS FOR FLUX

4.1.0 Form and Particle size : Flux shall be granular in form and shall be capable of flowing freely through the flux feeding tubes, valves and nozzles of standard submerged arc welding equipment.

4.1.1 The flux shall be manufactured and controlled according to ASME Section III NB Div I & ASME Sec II Part C.

4.1.3 The technical delivery conditions shall be as per DIN 1736, Part 1.

4.1.4 The flux shall be certified according to DIN 50049-3.1B.

4.1.5 The entire ordered quantity shall be from one batch only.

#### 4.2 WELD METAL COMPOSITION

The strip electrode and flux combination shall be used to produce test plates of minimum 20.0 mm thickness (proper stiffeners, fixturing, clamping to be done to avoid distortion), equivalent to 20MnMoNi55 (modified) by using cladding technique and subjected to following examinations and tests.

4.2.1 The composition of the weld metal at 5 and 6 mm above the base metal shall conform to following requirement.

C	0.025% max.
Si	0.50% max.
Nb	2.00 - 2.50%
Co	0.03% max.
Co + Ta	0.08% max.
P	0.015% max.
Cr	18.0 - 22.0%
Ni	67.0% min.
Mn	2.50 - 3.50%
S	0.015% max.
Ti	0.75% max.
Cu	0.50% max.
Fe	3.0% max.
Mo	2.0% max.
Nitrogen	To be reported
Al	To be reported

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

#### 4.3 FLUX : USABILITY

4.3.1 The flux shall permit the production of uniform, well-shaped beads that merge smoothly with each other and the base metal. Undercut, if any, shall not be so deep or so widespread that a subsequent weld pass will not remove it.

#### 4.4 NON-DESTRUCTIVE TESTING (NDT)

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

4.4.1.1 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.

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

4.4.1.3 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.

All cracks or defects with crack like indications are not acceptable. Spot indications of 1.5mm diameter and less are acceptable upto 10 numbers per metre length of weld provided they are separated by at least 2 mm.

##### 4.4.2 Ultrasonic examination

4.4.2.1 The inconel cladding shall be subjected to ultrasonic examination by straight beam scanning and angle beam scanning and shall cover the entire area.

4.4.2.2 Under bead cracks and bonding defects are not acceptable

The following are the acceptance limits :

All indications having amplitude equal to or greater than 50% of the reference level shall be recorded. If the signal : noise ratio is less than 6 DB, this is to be recorded and further activities have to be agreed upon.

The calibration block shall be made by cladding on an acoustically same base material as that of component under examination over laid with the same technique as that of the component.

For Straight beam examination a side drilled hole of 1.5 mm diameter by 38 mm depth or at least 25 mm minimum depth shall be drilled into the block at the clad interface.

For Angle beam examination 2 mm diameter Flat bottom hole has to be used.

The probe shall be placed over the clad surface and directed towards the hole.

The signal from the hole adjusted to 80% height. This has taken as reference line for sensitivity setting.

All indications with a signal amplitude equal to or greater than the reference level are unacceptable.

For straight beam scanning, 30 recordable indications with a maximum continuous length of 10 mm subject to a total length of 250 mm/metre length of the scanned area are acceptable.

Whenever the indications are interpreted as cracks they are unacceptable regardless of the length and amplitude.

#### 4.5 MECHANICAL TESTING

4.5.1 The acceptance limits for mechanical tests are as follows,

4.5.1.1 The inconel cladding undiluted weld metal shall have the following mechanical properties In the heat treated condition.

Tensile strength, minimum 600 N/mm<sup>2</sup>

Yield strength (0.2%), minimum 380 N/mm<sup>2</sup>

% Elongation (on 5d), minimum 30%

4.6 The test plates for consumable qualification test shall undergo a simulated heat treatment as the detail given in Annexure -1.

4.7 The weld metal chemistry at 5 and 6 mm above the base metal for cladding shall meet the requirements of 4.2.1.

4.8 The chemical properties as specified above shall be obtained from a weld deposit made Using the proposed flux in conjunction with strip meeting the requirements of 3.2.





4.9

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 per layer	1	
4	Chemical		1	
5	Hot crack test	Penetrant examinations to be carried out in steps of 0.5mm up to 2.0mm below the base metal surface. 3 Nos		
6	Micro / Macro / Hardness	transverse	1	

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.

## 5.0 MARKING

The outside of the each drum and package in which the flux is furnished shall be legibly marked with the following information

1. Flux classification and specification numbers.
2. Supplier's name and trade designations.
3. Net weight.
4. Lot, batch or control number, Date of manufacture.

## 6.0 PACKAGING AND STORAGE

6.0.1 Flux shall be suitably packaged to insure against damage during shipment or storage under tropical conditions.

6.0.2 A flux in the original unopened package shall withstand storage under tropical conditions for atleast four years without such storage affecting its welding characteristics or the weld properties.

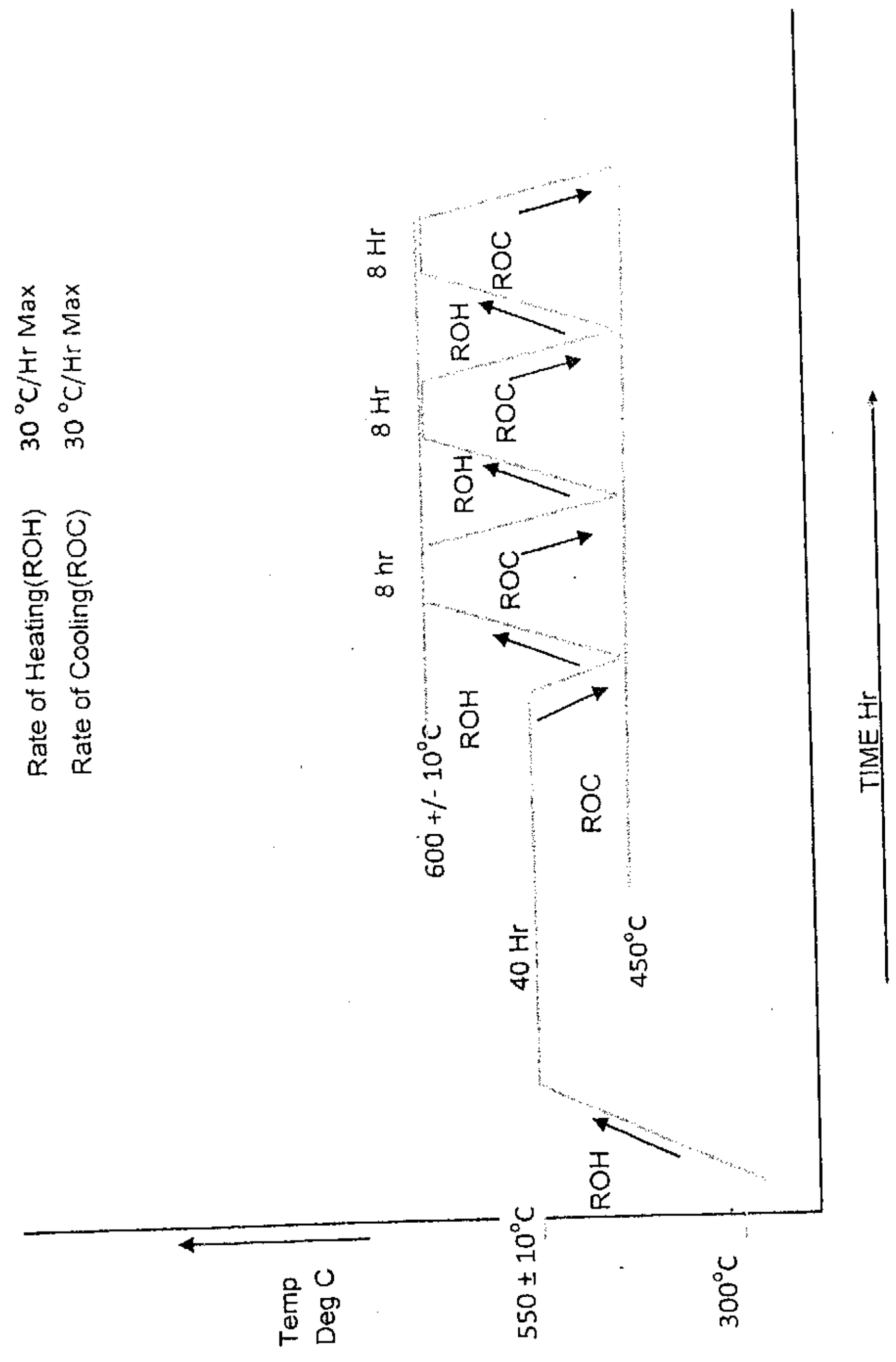
6.0.3 The flux shall be packed in 250 kg water tight steel drums and sealed.



**7.0 General Requirments**

- 7.0.1 The offers from vendors should contain a "LIST OF DEVIATIONS" in which the deviations against the technical specification, citing the clause number of the BHEL specification, should be explicitly listed.
- 7.0.2 The acceptance / non-acceptance of the deviations and the offers will be based on review by the customer of BHEL.

ANNEXURE-1



## 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.

# INSPECTING AUTHORITIES ( As on 31/3/2011)

## 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
16.	Chief Inspector of Boilers, Meghalaya	Meghalaya
17.	Chief Inspector of Boilers, Manipur	Manipur

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|--|----------------------------|
| 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 & Boilers<br>Uttarakhand  | Uttarakhand                |
| 28. Chief Inspector of Boilers,<br>West Bengal   | West Bengal                |
| 29. M/s. TUV Nord Systems GmbH Co.KG.<br>Langemarckstr 20<br>451141 Essen<br>GERMANY.  | All countries except India |
| 30. M/s. Royal & Sunalliance Engineering,<br>17, York Street, Manchester,<br>M2 3RS, ENGLAND   | All countries except India |
| 31. M/s. Japan Inspection Company Limited,<br>No.10-7, 1-Chome, hatchobori, Chou-ku,<br>Tokyo, 104-0032, Japan   | All countries except India |
| 32. M/s. S.G.S. Korea Company Limited,<br>Industrial Division,<br>16 <sup>th</sup> FL, KT Pusan IT Center,<br>830-29, Beomil 2-Dong, Jung-Gu,<br>Pusan, KOREA (601-706). | Korea & Japan              |

- |     |   |  |
|-----|---|--|
| 33. | M/s Bureau Veritas,<br>67-71, Boulevard du Chateau,<br>92200 Neuilly-sur-Seine,<br>FRANCE   | All countries except India.  |
| 34. | M/s. Lloyds Register of Verification Ltd.,<br>71, Fenchurch Street,<br>London EC 3M, U.K.   | All countries except India.  |
| 35. | M/s. Velosi Certification Bureau Ltd.,<br>318a Kings Road, Clifton House,<br>Reading Berkshire, RG1 4JG,<br>United Kingdom                                      | All countries except India   |
| 36. | M/s TUV Rheinland Brandenburg P falz e.V.,<br>Am Grauen stein, D-51105 Klon,<br>Germany   | Europe, Japan, China &<br>Korea  |
| 37. | M/s Moody Interna tional Ltd.,<br>Cuckfield House, High Street,<br>Cuckfield, West Sussex,<br>RH 17 5EL, U.K.   | All countries except India   |
| 38. | Technischer Uberwachungs-Verein Saarland e.V.,<br>Am Tuev 1,<br>66280 Sulzbach,<br>Germany  | Europe   |
| 39. | M/s OOO "TekhnoLogicheskieEnergositime"<br>1. Kalinia St. Belgorod,308001<br>Russia   | Russia, China, Ukraine & USA   |
| 40. | M/s. Det Norske Veritas,<br>Veritasveien 1, P.O. Box 300,<br>N-1322, Hovik,<br>NORWAY   | Argentina, Australia, Austria, Belgium,<br>Brazil, Denmark, Finland, France,<br>Germany, Italy, Japan, Netherlands,<br>Norway, South Korea, Spain, Sweden,<br>Switzerland, U.K. and U.S.A. |
| 41. | M/s. Engi neering Bureau Franke<br>International,<br>55, Amurskaya St.,<br>Ukraine 49108  | Ukraine, Russia, Belarus, China ,<br>Uzbekistan, Poland, Belgium, Romania,<br>& Czech Republic   |
| 42. | M/ s. ARISE Boiler Inspection &<br>Insurance Company Risk Retention Group,<br>Grand Bay 1, 7000 South Edgerton Road,<br>Suite 100, Brecksville,<br>OH 44141 USA | Argentina, Austria, Canada, Brazil, France,<br>Germany, Italy, Malaysia, Netherlands,<br>Singapore, U.K. and USA   |
| 43. | 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 India   |

44. M/s TUV SUD Industrie Service GmbH, All countries except India  
Wstendstr. 199,  
80686 Munich,  
Germany
45. M/s Germanischer Lloyd Industrial Services GmbH, All countries except India  
Steinhoeft 9,  
20459 Hamburg,  
Germany
- 46 M/s. TUV Thuringen e.V., Europe  
Business Division Steam and Pressure Technology,  
Melchendorfer Str. 64,  
99096 Erfurt,  
Germany



**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 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 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 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 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 Transhipment is not permissible	
Any warranty replacement during warranty period shall be supplied free of charge on FOR BHEL, Trichy basis	
Materials will be inspected and approved at vendor's works prior to dispatch. However final inspection and acceptance of equipment will be after installation at BHEL, Trichy.	

Offer 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 :

- a) 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.
- b) The prices are to be offered only on FOB / FCA basis, inclusive of Packing & Forwarding charges if any.
- c) Your specific acceptance to our Payment terms, LD, Risk Purchase Clause are essential for consideration of your offer. Otherwise your offer is liable for rejection.

Signature & Office Seal of the vendor

**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

NOTE : The Price bid should submitted strictly in line with the above FORMAT.

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

**Capital Purchase & Spare Parts / MFG**

**(To be filled and submitted along with offer)**

<b>BHEL Commercial Terms and Conditions for INDIGENOUS SUPPLIES</b>	<b>Vendor's Confirmation / Comments (To be furnished along with offer copy (or) Technical Bid Copy (Part No -1)</b>
Technical confirmation to BHEL's Specification as called for in BHEL format shall be furnished. If needed additional sheets shall be used.	
<b>Prices shall be quoted item wise</b> only as per the model format enclosed.	
Prices shall be quoted on " <b>FIRM PRICE</b> " basis only. The prices should be only on FOR /Despatching station basis inclusive of Packing & Forwarding charges if any. Applicable % of ED & Sales Tax, Freight & Insurance, Installation & Commissioning Charges should be clearly indicated.	
<b>Validity of offer</b> shall be for a minimum period of 120 days from the date of Tender opening	
<b>Delivery period</b> from the date of Letter of Intent / Purchase order shall be clearly mentioned in the offer.	
<b>Liquidated damages @ ½%</b> per week subject to maximum of 15% of the order value shall be applicable for delay in deliveries.	
<b>Following Risk Purchase clause</b> 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.	
<b>Submission of Performance Bank Guarantee (PBG):</b> Vendor shall provide a performance bank guarantee (PBG) for 10% of the total Purchase Order value valid for a period of 12 months from the date of commissioning (or) 18 months from the date of dispatch whichever is later with an additional claim period of 2 months. This PBG shall form one of the documents for effecting payment. The PBG shall be submitted in non-judicial stamp paper value of not less than Rs.80/- issued by any one of the following banks who is a member bank in our consortium of banks.  <b>1) State Bank of India 2) State Bank of Hyderabad 3) State Bank of Travancore 4) State Bank of Mysore 5) Canara Bank 6) Bank of Baroda 7) Punjab National Bank 8) Deutsche Bank 9) HDFC Bank 10) Standard Chartered Bank 11) Citi Bank 12) Standard Chartered Grindlays Bank 13) Bank of America and 14) Any one of the Nationalised banks.</b>	
<b>Payment terms for supply portion :</b> <ul style="list-style-type: none"><li>• 100% payment will be made within 45 to 90 days after receipt and acceptance / commissioning of goods at BHEL against submission of PBG for 10% of Order value with required validity (or)</li><li>* 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 / commissioning of goods against submission of supplementary invoice and also against submission of PBG for 10% of Order value with required validity. All bank charges are to vendor's account only.</li></ul> <b>Erection / Commissioning</b> Erection / Commissioning shall be done at free of cost	
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.	
<b>Offers should be submitted only in sealed cover super-scribing clearly the Enquiry reference and due date.</b>	
<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, Tiruchirapalli (Note. If the delivery terms is Ex Works, the materials has to be sent through BHEL Approved Carrier only, in this case freight will be borne by BHEL.)	
As per Clause 5.17 of Commercial terms and conditions (Annexure-II) Acceptance of participation in Reverse Auction (RA) Yes / No to be indicated.	
<b>Name of the person for participating reverse auction</b>	
<b>Land Line Number</b>	
<b>Fax Number</b>	
<b>Mobile Number</b>	
<b>E-mail ID</b>	

**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 specific acceptance to the BHEL Payment terms, LD, Risk Purchase Clause & Submission of PBG for 10 % of the order value are essential for consideration of your offer. Other wise your offer is liable for rejection.
- 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.
- No row shall be left blank. Please indicate NA, in case the item is "not applicable"

**Signature & Office Seal of the vendor**

MODEL PRICE BID FORMAT FOR INDIAN BIDDERS

Enquiry No &amp; Date:

Bidder's Offer No &amp; 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 (indicate 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 &amp; 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. Price 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.



## 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)