

ENQUIRY		Phone: +91 431 257 79 39 Fax : +91 431 252 07 19 Email : psivasub@bheltry.co.in Web : www.bhel.com	
	Enquiry Number	Enquiry Date:	Due date for submission of quotation:
	2611100182	28.11.2011	05.01.2012
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 <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.			

Item	Description	Quantity / Kgs	Delivery Schedule
10	Ferritic covered electrode diameter 3.25 mm as per the specification WCPS-802 Rev.01.Batch testing at supplier's works. (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	1,500	15.03.2012
20	Ferritic covered electrode diameter 4.0 mm as per the specification WCPS-802 Rev.01.Batch testing at supplier's works. (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	12,500	15.03.2012
30	Ferritic covered electrode diameter 5.0 mm as per the specification WCPS-802 Rev.01.Batch testing at supplier's works. (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	3,500	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

P.Sivasubramanian (Manager / SP & WC) Phone: +91 431 257 7939
email : 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 " 2611100182 ".

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



1.0 Qualifying Criteria

- 1.0.1 Offers, from such vendors only, will be considered, who have manufactured, tested and supplied the SMAW ferritic electrode, as specified here-in, in the recent past five years period.
- 1.0.2 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 for SMAW ferritic electrodes. Offers without such a test certificate will not be considered.
- 1.0.3 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:

- 2.0.1 This specification prescribes requirements for covered ferritic welding electrode for shielded metal arc welding process.

3.0 GENERAL REQUIREMENTS:

- 3.0.1 The technical delivery conditions shall be as per DIN 1913 EKb.
- 3.0.2 The electrode should be manufactured and controlled according to ASME Section II Part C and ASME Section III NB Division I.
- 3.0.3 Third party inspection shall be engaged for carrying out welding and testing.
- 3.0.4 The welding electrode shall be certified according to DIN 50049-3.1B.
- 3.0.5 The total quantity delivered shall be in least number of batches.
- 3.0.6 Batch test TC to be submitted to BHEL & only after BHEL's approval/ acceptance the TC, the dispatch should be effected.

4.0 CHEMICAL COMPOSITION:

- 4.0.1 The chemical composition of weld deposit shall conform to the classification E 9018-G of SFA 5.5 Section II Part 'C' of the current ASME Code, with the following restrictions.

C	< 0.05 %
Mn	< 1.80 %
P	< 0.012 %
S	< 0.012 %
Cu	< 0.06 %

The guaranteed chemical composition shall be furnished in the bid.



NOTE: Elements Si, Cr, Ni, Ti, Al, V, Ta, Sn, N and Co shall be quoted, analysed and reported

5.0 CORE WIRE AND COVERINGS:

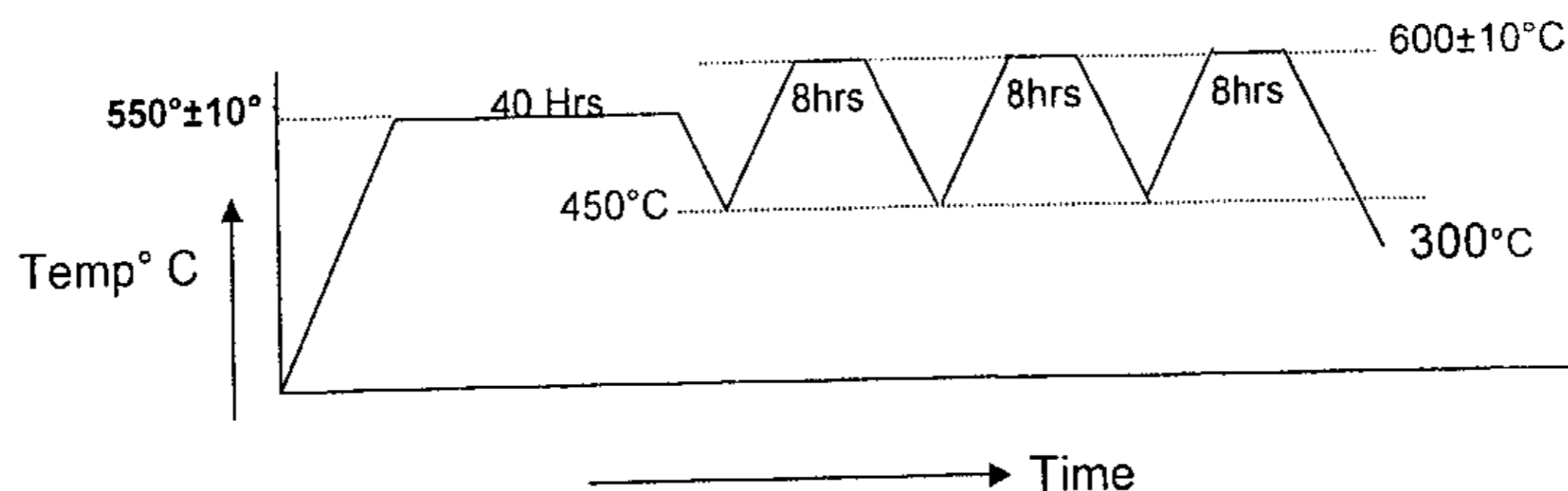
- 5.0.1 Core wire and coverings shall be free of defects which would interfere with uniform performance of the electrodes.
- 5.0.2 The covering on the electrode shall be concentric to the extent that the maximum core-plus-one covering dimension shall not exceed the minimum core-plus-one covering dimension by more than 7% of the mean dimension in sizes 2 mm and 2.4 mm; 5% of the mean dimension in sizes 3.2 mm and 4 mm and 4% of the mean dimensions in sizes 4.8 mm and larger. The concentricity may be measured by any suitable means.
- 5.0.3 The diameter of the core wire shall not vary more than ± 0.05 mm from the standard size specified. The length shall not vary more than ± 6.4 mm from that specified.
- 5.0.4 The maximum moisture content of the covering, when electrode is supplied in hermetically sealed containers, shall not exceed 5 ml/100 gm of weld metal as determined by the IIW method.

6.0.1 EXPOSED CORE:

- 6.0.1 One end of each electrode shall be bare for a distance of 20 mm but not more than 30 mm for electrodes to provide for electrical contact with the holder.
- 6.0.2 The arc end of each electrodes shall be sufficiently bare and the covering sufficiently tapered to permit easy striking of the arc. The length of the bare portion of the arc end of the electrode shall not exceed 1.6 mm or one half of the diameter of the core wire whichever is less.

7.0 HEAT TREATMENT:

- 7.0.1 The weld test coupon shall be subjected to the following heat treatment.



Max. rate of heating and cooling 30°C/hr .

**8.0 MECHANICAL PROPERTIES OF ALL WELD METAL:**

8.0.1 The mechanical tests specified in 8.0.2 shall be conducted on specimens which have undergone a heat treatment indicated in 7.0/7.0.1. The weld metal properties shall be compatible with and better than those for base metal. The guaranteed values shall be furnished in the bid.

8.0.2 The weld test coupon shall be subjected to the following tests :

- a) One tensile test on specimen along welding direction each at room temperature (temperature to be indicated in test reports) and at 350°C, and one specimen in the 'Z' direction (through thickness). (Test temperature to be recorded.)
- b) At least Six sets of impact tests using Charpy V notch specimens at -80, -60, -40, -20, 0° and +30°C and at other temperatures to cover the upper and lower energy shelves. The upper energy shelf shall have 100% sheer fracture and lower energy shelf a maximum of 10% sheer fracture. The test reports shall include absorbed energy, percent shear fracture and lateral expansion plotted against temperature and the values shall meet the requirements of 8.1.2.
- c) Two side bend tests (Transverse, full thickness).
- d) Drop weight test.
- e) Chemical analysis and moisture content.

8.1.0 MECHANICAL PROPERTIES OF 20 Mn Mo Ni 55 BASE METAL:**8.1.1 TENSILE TESTS :**

	RT	350°C
Tensile Strength N/mm ²	570-700	510 Min.
Yield Strength N/mm ²	430 Min.	360 Min.
Percentage Elongation in 50 mm Gauge length	19 Min.	14 Min.
Percentage reduction in area	45 Min.	To be reported

8.1.2 Impact Strength:

ISO-V impact test specimens will exhibit the following minimum values at -15° C.



8.1.2.1 Average of 3 specimen 41 J min.

Min. single value 34 J

8.1.2.2 For certification of RTNDT three ISO-V specimens will be tested at + 18°C. The impact strength and lateral expansion shall not be less than the following for any of the specimens.

Min. impact strength 68 J

Min. lateral expansion 0.9 mm

8.1.2.3 The nil ductility transition temperature as determined by drop weight test as per ASTM- E-208-84a shall not be higher than – 15°C.

8.2.3. **Side Bend Test:**

The specimen shall withstand being cold bent through 180° without cracking on the outside of the bent portion using a mandrel of dia 4 x thickness.

8.2.0 **Chemical Analysis and Moisture Content:**

The chemical composition of the pure weld metal shall be analysed and reported. The same shall be as per Para 4.0. The moisture content shall be within the specified limits.

8.3.0 The tests per Para 8.0 to 8.2.0 shall be carried out for each batch of electrodes. The welding and testing procedures used shall be subjected to Purchaser's approval.

9.0 **ELECTRODE IDENTIFICATION:**

All electrodes shall be identified in accordance with the following:

1. At least one legible imprint of the applicable AWS classification and the 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 and of sufficient size to be easily readable.



3. The ink used for imprinting shall provide sufficient contrasts with the electrode covering in order that the numbers and letters of the electrode classification shall be readable before and after recommended baking at user's works and after normal welding applications.

10.0 MARKING:

- 10.0.1 The outside of each unit package shall be legibly marked with the following information:

1. Electrode specification number and classification.
2. Supplier's name, Trade name of electrode.
3. Size, numbers and Net weight.
4. Lot, Control, Heat and Batch number.

11.0 PACKAGING:

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

12.0 GENERAL CONDITIONS

- 12.0.1 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.
- 12.0.2 The acceptance / non-acceptance of the deviations and the offers will be based on review by the customer of BHEL.

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.

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)

BHEL Commercial Terms and Conditions for INDIGENOUS 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 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.	
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.	
Submission of Performance Bank Guarantee (PBG): 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. 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.	
Payment terms for supply portion : <ul style="list-style-type: none"> • 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) * 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. Erection / Commissioning 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.	
Offers should be submitted only in sealed cover super-scribing clearly the Enquiry reference and due date.	
DETAILS REQUIRED FOR CONDUCTING REVERSE AUCTION	
% 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.	
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 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 & 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 (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 & 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, srchandran@bheltry.co.in

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,
Mizoram | Mizoram |
| 19. Chief Inspector of Boilers,
Nagaland | Nagaland |
| 20. Director of Boilers,
Orissa | Orissa |
| 21. Director of Boilers,
Punjab | Punjab |
| 22. Chief Inspector of Boilers,
Labour Department,
Government of Puducherry,
Puducherry | Puducherry |
| 23. Chief Inspector of Boilers,
Rajasthan. | Rajasthan |
| 24. Director of Boilers
Tamil Nadu | Tamil Nadu |
| 25. Chief Inspector of Boilers,
Tripura | Tripura |
| 26. Director of Boilers,
Uttar Pradesh | Uttar Pradesh |
| 27. Deputy Director of Factories & Boilers
Uttarakhand | Uttarakhand |
| 28. Chief Inspector of Boilers,
West Bengal | West Bengal |
| 29. M/s. TUV Nord Systems GmbH Co.KG.
Langemarckstr 20
451141 Essen
GERMANY. | All countries except India |
| 30. M/s. Royal & Sunalliance Engineering,
17, York Street, Manchester,
M2 3RS, ENGLAND | All countries except India |
| 31. M/s. Japan Inspection Company Limited,
No.10-7, 1-Chome, hatchobori, Chou-ku,
Tokyo, 104-0032, Japan | All countries except India |
| 32. M/s. S.G.S. Korea Company Limited,
Industrial Division,
16 th FL, KT Pusan IT Center,
830-29, Beomil 2-Dong, Jung-Gu,
Pusan, KOREA (601-706). | Korea & Japan |

- | | | |
|-----|---|--|
| 33. | M/s Bureau Veritas,
67-71, Boulevard du Chateau,
92200 Neuilly-sur-Seine,
FRANCE | All countries except India. |
| 34. | M/s. Lloyds Register of Verification Ltd.,
71, Fenchurch Street,
London EC 3M, U.K. | All countries except India. |
| 35. | M/s. Velosi Certification Bureau Ltd.,
318a Kings Road, Clifton House,
Reading Berkshire, RG1 4JG,
United Kingdom | All countries except India |
| 36. | M/s TUV Rheinland Brandenburg P falz e.V.,
Am Grauen stein, D-51105 Klon,
Germany | Europe, Japan, China &
Korea |
| 37. | M/s Moody International Ltd.,
Cuckfield House, High Street,
Cuckfield, West Sussex,
RH 17 5EL, U.K. | All countries except India |
| 38. | Technischer Überwachungs-Verein Saarland e.V.,
Am Tuev 1,
66280 Sulzbach,
Germany | Europe |
| 39. | M/s OOO "TekhnoLogicheskieEnergositime"
1. Kalinia St. Belgorod,308001
Russia | Russia, China, Ukraine & USA |
| 40. | M/s. Det Norske Veritas,
Veritasveien 1, P.O. Box 300,
N-1322, Hovik,
NORWAY | Argentina, Australia, Austria, Belgium,
Brazil, Denmark, Finland, France,
Germany, Italy, Japan, Netherlands,
Norway, South Korea, Spain, Sweden,
Switzerland, U.K. and U.S.A. |
| 41. | M/s. Engineering Bureau Franke
International,
55, Amurskaya St.,
Ukraine 49108 | Ukraine, Russia, Belarus, China,
Uzbekistan, Poland, Belgium, Romania,
& Czech Republic |
| 42. | M/ s. ARISE Boiler Inspection &
Insurance Company Risk Retention Group,
Grand Bay 1, 7000 South Edgerton Road,
Suite 100, Brecksville,
OH 44141 USA | Argentina, Austria, Canada, Brazil, France,
Germany, Italy, Malaysia, Netherlands,
Singapore, U.K. and USA |
| 43. | Tata Projects Limited,
"Mithona Towers-I",1-7-80 to 87,
Opp. Wesley Co-Ed. Jr. College,
Prenderghast Road,
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