



BHARAT HEAVY ELECTRICALS LIMITED

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

PHONE :2577645
GRAMS : BHARATELEC
FAX NO: 2520719
E-mail: srchandran@bheltry.co.in
Web:

429-002/A

	Enquiry No	Enquiry Date	Due Date for Quotation
	2691400134 - 41	24.11.2014	20.12.2014
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
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10	Qualification criterial and Technical Specification are given as annexures INVERTER CONTROLLED DC KEYHOLE PLASMA WE	NO	1.000	1.00	16.02.15
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General Note:

PL. SUBMIT YOUR OFFER ON F.O.R - BHEL, TRICHY (TAMILNADU) BASIS AND IN TWO PART (TECHNO-COMMERCIAL BID AND PRICE BID) IN A SEPARATE COVER.

IF THE OFFER IS SUBMITTED IN SIGNLE PART AND THE SAME WILL BE LIABLE FOR REJECTION.

Qualification criterial and Technical Specification are given as annexures

ANNEXURE-III ENCLOSED HERewith MUST BE FILLED, SIGNED AND SUBMITTED ALONG WITH YOUR OFFER.

THIS TENDER IS HOSTED IN BHEL WEBSITE VIDE NIT REF. _____ DT. _____ AND ANY CORRIGENDUM MAY PL BE VIEWED IN THE BHEL WEBSITE (HTTP://WWW.BHEL.COM)

ENCLOSURE: ANNEXURE -(Commercial Terms and Conditions for Indigenous Supplies/Import suppliers)

MSME VENDOR GIDE LINES WILL BE FOLLWDED FOR THIS TENDER

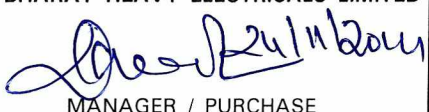
Enclosures:

"LD clause has to be confirmed without fail."

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.

VIGILANCE AWARENESS WEEK
27 th OCT to 1st NOV 2014
FOR VIGILANCE RELATED COMPLAINTS,
CONTACT DGM/VIGILANCE
PHONE:0431-2577552,2577636

D. CHANDRAMOHAN
Senior Manager / MM / RM
Purchase / CP & SP
BHEL, TIRUCHY - 620 014.

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

MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,

PART A**QUALIFYING CRITERIA FOR THE SUPPLY OF
INVERTER CONTROLLED DC KEYHOLE PLASMA
WELDING MACHINE – 300 Amps (Minimum)***[100% Duty Cycle]***SECTION – I**

The BIDDER is expected to give complete details against each clause in the table given below and wherever necessary an additional sheet may be attached (giving clear reference number) to cover the required details.

S. No.	PARTICULARS	VENDOR's RESPONSE
1.0	Number of Years of Experience of the BIDDER (Original Equipment Supplier) in the field of design, manufacture and supply of 'INVERTER CONTROLLED KEYHOLE PLASMA WELDING MACHINE' for R&D/Production	
2.0	YEAR of LAUNCH of the MODEL quoted against this ENQUIRY	
3.0	Number of 'Inverter Controlled DC Keyhole Plasma Welding Machine' supplied, till date in the QUOTED MODEL	
4.0	Details on International Standards followed in Design and Testing of Welding Machines	
5.0	Comprehensive Details, on Performance Testing of Welding Machines carried out at the Factory, to be furnished with the Technical Offer.	
6.0	Details on SERVICE-AFTER-SALES Set-Up in India including the Addresses of Agents / Service Centres in India, to be furnished compulsorily.	
7.0	BIDDER to indicate the Country of Origin for the supply of welding machines.	

SECTION – II

The BIDDER has to compulsorily meet the following requirements to get qualified for submitting an offer for the 'Inverter Controlled DC Keyhole Plasma welding machine'

S. No.	REQUIREMENTS	VENDOR's COMMENTS
8.0	The BIDDER shall have a minimum of TEN Years of Continuous Experience in the Design, Manufacture & Supply of 'Inverter Controlled machines for Plasma/TIG/MMA Welding'	
9.0	The BIDDER should have supplied atleast one 'Inverter Controlled machines for	



	Plasma/TIG welding with rating 300 Amps. (Min.) @ 100 % Duty Cycle and above to Customers in India. Also, indicate the number of such welding machines sold in India.	
10.0	Reference of the Customer and Performance Certificate with full contact details of CONTACT PERSON, who are the End Users of the MODEL (given under Clause No.10.0) of 'Inverter Controlled machines for Plasma/TIG welding'	
11.0	BHEL reserves the right to verify the information provided by vendor. In case the information provided by vendor is found to be false/ incorrect, the offer shall be rejected.	

SECTION - III

The BIDDER has to comply with the following, for accepting the Technical Offer for scrutiny by the Purchaser:

S.No.	REQUIREMENTS	VENDOR'S COMPLIANCE
12.0	The BIDDER shall submit the offer in TWO PARTS - Technical [with PART A & PART B] & Commercial and Price Bid.	
13.0	The Offer shall contain a comparative statement of Technical Specifications given by BHEL and the Offer Details submitted by the Bidder, against each clause. A just 'CONFIRMED' or 'COMPLIES' or 'YES' or 'NO-DEVIATION' or similar words in the technical comparative statement may lead to disqualification of the Technical Offer.	

S.No.	REQUIREMENTS	VENDOR'S COMPLIANCE
14.0	The BIDDER shall assure a continuous support for SPARES and SERVICE for TEN Years, from the date of commissioning of the equipment at BHEL Works.	
15.0	The Technical Offer shall be supported by Product Catalogue and Data Sheets in ORIGINAL and complete technical details / literature on the QUOTED MODELS of Welding Power sources.	

[Handwritten Signature]

PART B

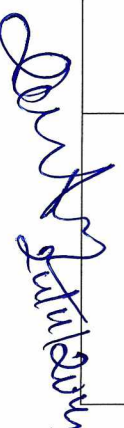
TECHNICAL SPECIFICATIONS FOR 'INVERTER CONTROLLED DC KEYHOLE PLASMA WELDING MACHINE'

AA. APPLICATION :			
SI.No.	FEATURES /BHEL SPECIFICATION	OFFER BY BIDDER	DEVIATIONS
AA.1	The offered equipment shall be portable and suitable for Keyhole plasma welding of carbon steel, alloy steel, stainless steel and nickel based superalloys of thickness in the range of 1mm to ≥ 8 mm		
BB. MACHINE CONFIGURATION : [The scope of supply shall consist of the following]			
SI.No.	FEATURES /BHEL SPECIFICATION	OFFER BY BIDDER	DEVIATIONS
BB.1	Welding Power source with Transport Trolley and Wheels		
BB.2	Plasma module with pilot arc with necessary connections (in case the module comes as a separate unit)		
BB.3	Welding Torch for keyhole plasma welding with all necessary accessories		
BB.4	Gas Regulators for Argon Gas - 2 Nos.		
BB.5	Flow controller with display for plasma gas and shield gas		
BB.6	Set of inter-connecting cables/hoses with quick-fix end couplings		
BB.7	Operation & Maintenance Manuals - Two Copies		
BB.8	Commissioning of Equipment at BHEL Works and Performance Prove-out of the offered equipment by Supplier/Supplier's representative		

CC. EQUIPMENT SPECIFICATION : POWERSOURCE FEATURES				
SI.No.	FEATURES	BHEL SPECIFICATION	OFFER BY BIDDER	DEVIATIONS

Sanjay Kumar
20/11/2014

CC.1	Type	Inverter Controlled DC welding power source with pulsing capability suitable for keyhole plasma arc welding which can work even with a fluctuation of $\pm 10\%$ in the Input Voltage		
CC.2.	Standard	The power source shall conform to IEC 60974 with CE S safety class		
CC.3.	Digital Control	Welding power source shall have digital control/ display/ Setting features. Type of digital control shall be explained by vendor.		
CC.4.	Input Power Cable	5 metre long electric input power cable with protective sheathing (for 3 phase with potential earth) to be provided with the power source.		
CC.5.	Arc Strike	Selection for Instantaneous Arc Strike with Hot Start for SMAW Process.		
CC.7.	TIG Arc Ignition	By means of scratch start and HF arc start		
CC.8.	Current Rating	Minimum 300 A @ 100 % Duty Cycle		
CC.9.	Operating Range :	5 A to maximum current @ 100% duty cycle with continuous control		
CC.10.	Open Circuit Voltage	BIDDER to mention the Open Circuit Voltage for the offered Power source		
CC.11.	Current Setting	The variation in the set value of the welding current to the actual value shall not exceed 1 %.		
CC.12.	Plasma Module	The machine shall contain plasma module with the following features a) Pilot arc – HF arc start b) Pilot current – 5-25 A (minimum) with continuous control c) Plasma gas flow control d) Digital display/flow meters for display of plasma gas		
CC.13.	Voltmeter & Ammeter	Factory Installed Ammeter & Voltmeter with digital display on the front panel		



CC.14.	Displays	The power source front panel shall have indications for the following a) Digital display of welding parameters like current, voltage, etc. b) Over temperature/cooling deficiency c) Job number		
CC.15.	Power Input	415 ± 10% V AC, 3 Phase, 50 ± 2% Hz, through a 3 Wire System [4 th wire for EARTHING] – No Neutral Conductor		
CC. EQUIPMENT SPECIFICATION : POWERSOURCE FEATURES				
SI.No. FEATURES		BHEL SPECIFICATION		
CC.16.	Gas Flow Setting	Gas Flow Check Push Button for Gas Solenoid Valve actuation in weld switch in "OFF" position.		
CC.17.	Required Features	The Powersource shall have Features like a) Current pulsing capability from unit to KHz range (atleast upto 2KHz) b) Continuous current and pulsed current operation c) Manual adjustment of pulsing parameters. All the pulsing parameters that can be adjusted to be clearly mentioned d) Job select mode with an option to store atleast 100 jobs with welding parameters e) Gas Pre-flow / Post-flow Facility – time to be mentioned f) Up-slope/Down-slope – Range to be clearly mentioned g) Crater-fill current/start arc h) Spot welding mode i) Single knob setting of parameters		
CC.18.	Insulation	Class "H" or "F" only – Tropical Working Conditions		
CC.19.	Machine Cooling	Forced Air Cooling or water cooling with interlock for tripping of the welding machine.		

[....contd.....]

OFFER BY BIDDER DEVIATIONS



CC.20.	Protection [BIDDER has to specifically furnish technical details on how these protective measures are addressed in the Machine Design]	<ul style="list-style-type: none"> a) Inbuilt protection for the Power source against Thermal / Overload / Short-Circuit conditions b) All PCBs shall be sprayed with mould coating to prevent damage from dust and grinding particles c) Machine Design to ensure proper earthing for the machine and its peripherals d) Measures to nullify the effects of EMI (Electro-Magnetic Induction) generated e) Degree of protection shall be according to IP23 		
CC.21.	Portability	Under-Carriage with hard rubber lined wheels for portability of the power source by manual pushing		
CC.22.	Ambient Conditions	Temperature upto + 40 ° C; Humidity upto 90 % but both upper limits do not occur simultaneously.		
CC.23.	Load Compensation	Output variation due to line voltage fluctuation, cable heating or drift due to the use of long cable, to be eliminated.		
CC.24.	Power Rating	BIDDER to indicate the Maximum Power Rating [in KVA] of the Power source and the NO-LOAD Power Consumption in Watts.		
CC.25.	Power Source Model	To Specify the Model of Power source Offered		
DD.	EQUIPMENT SPECIFICATION : WATER COOLING UNIT FEATURES			
SI.No.	FEATURES	BHEL SPECIFICATION	OFFER BY BIDDER	DEVIATIONS
DD.1	Application	A suitable cooling/chilling unit compatible for the power source offered and provided with suitable quick-fix end connectors, for connecting water cooled Plasma Welding Torch.		

Sanjay Kumar

DD.2	Power Supply	The chilling/ cooling unit to be synchronised with the welding power source. In case chilling unit needs an external power supply, the same to be clearly mentioned.		
DD.3	Coolant Capacity	a. Tank Capacity sufficient enough to feed a water cooled Plasma Welding Torch fitted with sufficient length of cables & hoses and with required buffer quantity to meet the continuous welding applications. b. BIDDER to specify the Tank Capacity		
DD.4	Type of Chilling Unit	BIDDER to specify the type of chilling/cooling unit		
DD.5	Alarm Indicators	a. To be provided with alarm indicators for failure of coolant circulating pump, failure of coolant flow, etc. b. BIDDER to specify the type of alarm indicators provided.		
DD.6	Inter-Connecting Hoses	Well reinforced water / coolant circulation hoses are to be provided for the inter-connection between welding power source (if necessary) & torch and water cooling unit.		
EE. EQUIPMENT SPECIFICATION : PLASMA WELDING TORCHES' FEATURES				
S.No.	FEATURES	BHEL SPECIFICATION	OFFER BY BIDDER	DEVIATIONS
EE.1.	Make	Any internationally reputed make		

Dr. J. Senthil Kumar

EE.2.	Application	Suitable for Plasma keyhole Welding Process and for welding of materials like carbon steels, alloy steels, stainless steels, nickel based superalloys, etc. and compatible to the welding power source offered.		
EE.3.	Torch Configuration	The Torch Head shall be suitable for performing the following : <ul style="list-style-type: none"> a. Torch should be machine mountable b. Torch should have necessary connectors for cooling water connections c. Torch should be suitable for plate to plate butt welding d. Torch should be suitable for tube to tube butt welding e. The torch should be flexible for adding wire feeder in the future f. Torch supplied should be amenable for automation by attaching to Robot/CNC in the future 		
EE.4.	Rating	Suitable for power source current rating offered with minimum 3.0 metre long cable.		
EE.5.	Cable Sheathing	Protective Sheathing to be provided for the Plasma welding Torch Cables & Hoses, to withstand shopfloor rough use for the entire length of the cables/hoses.		
EE.6.	Torch Models & Weight	To specify the Models and the Torch Weight in the OFFER		
FF. EQUIPMENT SPECIFICATION : REMOTE CONTROL UNIT FEATURES				
S.No.	PARTICULARS	BHEL SPECIFICATION	OFFER BY BIDDER	DEVIATIONS
FF.1	Type	Hand Operated with min. 6 mtr. long control cable with Display and end connectors		



FF.2	Control	Stepless Variation of welding parameters		
FF.3	Connection	Remote Control Unit to be amenable for integration with the wire feeder for the future		

GG. SPARES

SI.No.	FEATURES	BHEL SPECIFICATION	OFFER BY BIDDER	DEVIATIONS
GG.1.	Consumables for Torch	All the consumables like tungsten electrodes of different diameters, plasma nozzles, stop rings, gas nozzle, ceramic tubes, etc. for trouble-free operation upto an year is to be supplied along with the machine		

HH. O & M MANUALS :

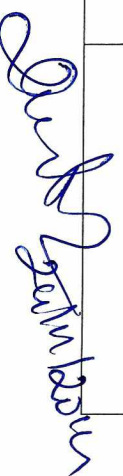
S.No.	PARTICULARS	BHEL SPECIFICATION	OFFER BY BIDDER	DEVIATIONS
HH.1	No. of Copies	2 (Two) sets containing manuals of power source, cooling module, plasma torch, etc. to be sent along with the machine		
HH.2	Language	English		



HH.3	Manual Details :	<p>a. Manual shall contain all instructions for machine installation and welding trial testing in sequence.</p> <p>b. Manual shall clearly describe the operation of the power source, plasma module, torches, etc.</p> <p>b. Manual to give general circuit diagrams, showing the interconnection of various elements and also details on PCBs [Printed Circuit Board] like tapping voltages, main electronic elements' specifications and ratings, etc.</p> <p>c. Manual to give other details like trouble shooting chart, weld parameters selection for various base metals, etc.</p> <p>d. Master List of Parts & Spares used in the machine with Make, Model, Rating, etc.</p>		
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II. GENERAL POINTS :

S.No.	PARTICULARS	BHEL SPECIFICATION	OFFER BY BIDDER	DEVIATIONS
II.1	Commissioning	The equipment shall be installed and commissioned at free of cost by the supplier/supplier's representative at BHEL Works.		
II.2	Training	The Supplier's SERVICE ENGINEER shall give training in the Operation and Maintenance of the Machine for BHEL Staff, after the successful commissioning of the Welding Machine		
II.4	Guarantee	The equipment shall be guaranteed for a minimum of 24 months from the date of commissioning at WRI/BHEL		



S.No.	PARTICULARS	BHEL SPECIFICATION	OFFER BY BIDDER	DEVIATIONS
II.5	Bought-Out Items	a) The Bought-Out Items - like Motors, ICs, Relays, Contactors, Switches, Electronic Elements, etc., used in the Power source & torch shall be of Internationally Reputed Manufacturers only. b) BIDDER has to furnish the MAKE of Bought-Out Items used in the Welding Machine, with the OFFER .		
II.2.	Warranty	The machine shall have warranty of at least twelve months from the date of commissioning at WRI, BHEL		

Shankar Lakshminarayana

COMMERCIAL TERMS& CONDITIONS

ANNEXURE-III(m)

Bharat Heavy Electricals Limited, Tiruchirapalli – 620 014, Tamilnadu

MM: CP & SP

(Check List - to be filled and submitted along with Techno-Commercial Bid)

Sl. No.	BHEL Commercial Terms and Conditions for Indigenous Supplies	Vendor's Confirmation / Comments
1	Bid should be submitted in Two Parts . 1. Techno-commercial Bid (Part-I) and 2. Price Bid (Part-II) in a separate sealed cover and both the covers must be placed in a Third Cover and Sealed. Our Enquiry No., Enq. Date & Enq. Due date must be written on all Three covers	
2	Technical confirmation to BHEL's Specification shall be furnished. If needed additional sheets shall be used.	
3	Prices shall be quoted item wise only.	
4	Delivery INCO TERMS- Price quoted -FOR BHEL TRICHY, STORES or ex- WORKS Basis or, FOR WORKS (DESPATCHING STATION) In case of EX works / FOR WORKS basis, indicate the Despatching station. Prices shall be quoted on "FIRM PRICE" basis only.	
5	Validity of offer shall be for a minimum period of 120 days from the date of Tender opening	
6	Delivery period from the date of Letter of Intent / Purchase order	
7	Liquidated damages shall be 0.5% of the total order value per week or part thereof subject to a maximum of 10% of the total order value. For staggered delivery schedule, LD shall be 0.5% of the undelivered portion per week of the delay or part thereof subject to a maximum of 10% of the total order value. Any deviation from the above LD clause, loading will be applied to the extent to which it is not agreed by the bidder (at offered value).	
8	Payment term for supply portion: Payment term is 100% direct payment after 45 days from the date of receipt and acceptance of materials. Note: Only Direct Payment after goods receipt & acceptance will be accepted .Above payment term acceptance is essential for consideration of your offer 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. Payment through Bank is not preferred. In case of Payment through Bank is opted by Supplier, BHEL prefers documents submission through bank with copy of LR and door delivery of Goods to Stores with Consignee copy attached. In this case Loading will be 3% on the offered value. Offers of indigenous Suppliers with payment terms as <u>LC/Advance Payment are liable for rejection.</u> Important Note: BHEL will consider the ranking after the loading is applied as referred vide Sl. No. 7& 8 above wherever deviations are observed.	
9	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.	
10	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.	
11	The equipment shall be guaranteed as per tender condition from the date of receipt & acceptance./(commissioning (commissioning date ,if applicable as per tender condition) Normally No deviation permitted and the <u>deviated offers are liable for rejection.</u>	

COMMERCIAL TERMS& CONDITIONS

ANNEXURE-III(m)

12	Equipment will be inspected at vendor’s works prior to dispatch if applicable. However final inspection and acceptance of equipment will be after installation at BHEL, Trichy, Tamilnadu.	
13	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.	
14	Any warranty replacement during warranty period shall be supplied free of charge on FOR BHEL, Trichy, Tamilnadu basis.	
15	Performance Bank Guarantee, if applicable as per tender condition. Normally No deviation permitted and the <u>deviated offers are liable for rejection.</u>	
OTHER DETAILS REQUIRED		
16	% of Excise Duty with cess	
17	% of TAX (VAT) (TNGST with FORM-17)	
18	% of TAX (VAT) without form	
19	% of TAX (CST) (CST with C-FORM)	
20	% of TAX (CST) without form	
21	Packing & Forwarding Charges (in % only)	
22	Freight& transit insurance charges, if any(in % only) 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 the freight will be borne by BHEL)	
23	Approximate Net weight of the total consignment	
24	Approximate Gross weight of the total consignment	
25	Approximate Dimensions of the Consignment	
26	Name of the contact person	
27	Land Line Number	
28	Fax Number	
29	Mobile Number	
30	E-mail ID	
31	PAN No.	
32	CST No.	TIN No.

- 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) Applicable % of ED, Sales Tax -CST or VAT, Service Tax), Freight, Insurance and Installation and Commissioning Charges etc., are indicated in offer.

Full postal Address:

Signature & Office Seal of the vendor

Note:-

Your specific acceptances to our Payment terms, LD & Risk Purchase (RP) Clause are essential for consideration of your offer. Otherwise your offer is liable for rejection.
No row shall be left blank. Please indicate NA, in case the item is “not applicable

CAPITAL PURCHASE
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 (**Envelope III**), 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:

SR- MANAGER / CP & SPI / MM / MGRM
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 srchandran@bheltry.co.in.

**CAPITAL PURCHASE/MM/MFG
(To be filled and submitted along with Offer)**

BHEL Commercial Terms and Conditions for Import Supplies	Vendor's Confirmation / Comments
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 shall be clearly mentioned in the offer.	
Liquidated damages @ ½% per week subject to a maximum of 10% 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): Ref. Annexure- v	
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 / commissioning of the equipment.	
Part Shipment or Transshipment is not permissible	
In case of any short shipment in the main equipment / spares, where separate rates are not available in the contract, the customs duty levied on such supplies, shall be borne by the supplier / Indian agent.	
Any warranty replacement during warranty period shall be supplied free of charge on FOR BHEL, Trichy basis.	
The Material shall be guaranteed for a period of 12 months from the date of receipt & acceptance.	
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.	
Offers should be submitted only in sealed cover super-scribing clearly the Enquiry reference and due date.	
INDICATE NEAREST AIRPORT /SEAPORT	
WEIGHT OF THE CONSIGNMENT	
COUNTRY OF ORIGIN	

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 is essential for consideration of your offer. Other wise your offer is liable for rejection.

Signature & Office Seal of the vendor

Bharat Heavy Electricals Limited TIRUCHIRAPPALLI

**Annexure-IV
CAPITAL PURCHASE**

MODEL PRICE BID FORMAT FOR FOREIGN BIDDERS

Enquiry No.

Bidder's Offer No. & Date:

Date:

Sl No.	Description of item	Unit	Quantity	Rate in (indicate FC)	Value in (indicate FC)
	Ex-Works value.				
	Packing & Forwarding charges, if any				
	FOB Charges / FCA Charge, if any				
	FOB Value (indicate the name of the Port)				
	Approximate Freight Charges (Freight charges to Chennai Port)				
	CFR Value (Chennai Port)				
	Transit Insurance charges				
	CIF Value (Chennai Port)				
	Approximate Net weight of the total consignment				
	Approximate Gross weight of the total consignment				

Signature & Seal of Vendor

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"

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.

Payment Term (Imports)

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.

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.

- In the case of Usance LCs the loading will be considered @ 1.5% on the offered Value.
- For LC at sight the loading will be considered @ 3.5% on the offered Value.
- Normally CAD at sight and Confirmed LCs are liable for rejection.

Liquidated Damages / Penalty

Liquidated damages shall be 0.5% of the total order value per week or part thereof subject to a maximum of 10% of the total order value.

For staggered delivery schedule, LD shall be 0.5% of the undelivered portion per week of the delay or part thereof subject to a maximum of 10% of the total order value.

Any deviation from the above LD clause, loading will be applied to the extent to which it is not agreed by the bidder (at offered value).

Guarantee / Warranty Period

Normally No deviation permitted and the deviated offers are liable for rejection.

Performance Bank Guarantee

Normally No deviation permitted and the deviated offers are liable for rejection.

Ranking

BHEL will consider the ranking after the loading is applied as referred above wherever deviations are observed.

NOTE:-

1. If the due date of tender opening happens to be a holiday, the tenders will be opened on the next working day.