



BHARAT HEAVY ELECTRICALS LIMITED

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

PHONE :2577938
GRAMS : BHARATELEC
FAX NO: 2520719
E-mail: tvenkat@bheltry.co.in
Web:

429-002/A

	Enquiry No 2681600012 - 79	Enquiry Date 15.06.2016	Due Date for Quotation 11.07.2016
<p>Please quote Enquiry No, Date and due date in all correspondences. This is only a request for quotation and not an order. 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 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.</p>			

Item	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10	UP GRADATION OF WELDING CONTROL SYSTEM FOR SAW M/c. Supply, installation and commissioning of new strip-cladding assembly, wire-feeder assembly, welding controller, power source, cables and other related accessories in submerged arc welding machine at Bldg 123. As per attached specification.	NO	1.000	1.00	31.12.16

General Note:

1. Please submit your detailed offer in two part bid system i.e Part-I. Technical bid + Checklist (Annexure-A) + Unpriced bid indicating taxes & duties (Annexure-B) in a sealed cover, super scribing on the cover as "TECHNICAL & COMMERCIAL BID / PART-I"

Part-II. Priced offer in another separate sealed cover super scribing on the cover as "PRICE BID / PART-II"

Both the covers shall be duly super-scribed with tender reference and due date of opening. These covers shall be put in a single cover duly super-scribed with tender reference and due date of opening and addressed to us.

2. Point-to-point confirmation to BHEL's specification and commercial terms & conditions shall be provided. The supplier must fill and send all the Annexures as indicated in the list of attachments. Annexure-A & Annexure-B (with taxes and duties, without indicating prices) should be filled and submitted along with the technical bid, else your offer is liable for rejection.

3. Offers with validity of less than 120 days and non-acceptance of LD & RP clause and reverse auction will lead to rejection of submitted offer.

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

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

Yours faithfully,
For BHARAT HEAVY ELECTRICALS LIMITED

R.I. PETER IRUDAYARAJ
Senior Manager

MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,



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5. All clarifications may be sought at least ten days prior to tender due date, from the undersigned with due written request.

6. BHEL reserves the right to go for a reverse auction (RA) instead of opening the submitted sealed price bid, which will be decided after technical and commercial evaluation. Information and general terms and conditions covering RA are given in commercial terms and conditions (Annexure-A/Point no.18)

7. BHEL will consider MSE vendor as per Government guidelines.

8. Vendors are requested to avoid the following points while submitting the Bid Documents:

- Loose or spiral bound bid documents are not encouraged.
- In case of any corrections/overwriting in the tender documents, the same shall be duly attested by the bid submitter.

9. Corrigendum if any, with respect to this tender will be hosted only in the website <http://www.bhel.com> or <http://tenders.gov.in>. You are requested to visit the website regularly for updates.

10. List of Attachments:

- Qualifying Criteria - Part-A
- Technical Specification - Part-B
- Commercial Terms & Conditions - Annexure-A
- Price Bid Format - Annexure-B
- CA certificate for MSE vendors - Annexure-C.

All the tenders may be addressed to the following address:

**The Tender Opening Cell / MM
Room No: 26, Building 24, Ground Floor
Bharat Heavy Electricals Limited
TIRUCHIRAPALLI 620014**

In case personal delivery of the offer, it shall be dropped into the respective box kept in Room No: 26, after duly entering the data in the system.

Offers will be accepted only up to 14.00 Hrs on the due date. Therefore, vendors shall ensure to submit the offers well before this time. All due date extension requirements should be addressed to the respective Purchase mail IDs. All the due date extension requests from vendors will be considered only up to 48 hours before the due date and time.

Vendors are requested to avoid submission of offers through e mail / fax. In case of any unavoidable situation, offers shall be sent through e mail to the following mail ID only tender_cell@bheltry.co.in.

As tenders are being opened by Common Tender Opening Cell, offer covers should be sealed with tenderer's distinctive seal and super scribed with correct Tender No. item of supply and due date of opening.

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

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

MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,

R.I. PETER IRUDAYARAJ
Senior Manager
Materials Management /
BHEL, TIRUCHY - 620 014.



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The offers will be opened at 14.30 hrs on the due date of the 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.

The bidder along with its associate/ collaborators/ sub-contractors/ sub-vendors/ consultants/ service providers shall strictly adhere to BHEL fraud prevention policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL management about any fraud or suspected fraud as soon as it comes to their notice.

The supplier shall submit EI/EII forms to BHEL time to time as indicated by the BHEL and in case of inordinate delay in issuing EI/EII forms, then BHEL reserves the right to deduct 5% of the value of the supplied items against which EI/EII forms pending to be issued

Enclosures:

"LD clause has to be confirmed without fail."

The offers should reach us 30 minutes before the time of opening of tenders.
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Yours faithfully,
For BHARAT HEAVY ELECTRICALS LIMITED

MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,

R.I. PETER IRUDAYARAJ
Senior Manager

Materials Management /
BHEL, TIRUCHY - 620 014


Upgradation of welding controller, wire-feeder system, power source and related accessories in Schaffer make submerged arc welding machine/Bldg 123

PART – A

Pre-qualification Criteria


The BIDDER has to compulsorily meet the Qualifying Criteria indicated in **Part-A** to get qualified. Otherwise the technical offer will not be considered.

S NO.	REQUIREMENTS	VENDOR'S RESPONSE
1.1	The vendor shall have sufficient experience in supply / retro-fitting of submerged arc welding system components and accessories for machines. Vendor shall indicate the number of years of experience in the field.	
1.2	Only OEM/authorized dealers are eligible to quote, who have designed, supplied, commissioned and tested similar welding systems of 1500A minimum rating (as on the date of tender opening) and the referred system is presently working satisfactorily for a minimum period of 2 years from the date of commissioning (as on the date of tender opening). In case of authorized dealer, vendor shall furnish valid authorization certificate from the OEM. The name and contact addresses of the customers to whom similar systems were supplied to be furnished with details.	
1.3	Vendor has to submit at least ONE PERFORMANCE CERTIFICATE from their customers to whom similar works were carried out, for satisfactory performance of the same, referred under clause 1.2 above, for a minimum period of 2 years from the date of commissioning (as on the original date of tender opening). Performance certificate as Original Certificate or E-mail directly from the customer may be submitted.	
1.4	Vendor must compulsorily make a site visit to assess the existing machine welding controller, power source and wire-feeder system for better understanding of the process parameters, operation sequences and other constraints (if any) before quoting for the new system. Vendor's offer submitted without site visit is liable for rejection.	
1.5	BHEL reserves the right to verify the information provided by the Vendor for the referred system at their referred customer's works.	
1.6	The vendor is to confirm that the offered model of power source, wire-feeder assembly, flux feeding & recovery system, strip-cladding assembly and welding controller shall be of the latest versions. Vendor shall provide continued service support with supply of spares for a minimum period of 15 years from the date of supply.	
1.7	Details on SERVICE-AFTER-SALES Set-up in India including the Address of Agents / Service Centres in India.	


 31/05/16
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 Sr. Maintenance Engineer
 Maintenance & Services
 BHEL. TRICHY - 620 014.

Upgradation of welding controller, wire-feeder system, power source and related accessories in Schaffer make submerged arc welding machine/Bldg 123

SI.No.	Description for BHEL Requirement PART-B	Specified / To be confirmed by Bidder
1	Scope of work	
1.1	Supply, installation and commissioning of new sub-arc welding head, wire-feeder assembly, strip-cladding assembly, welding controller, power source, cables and other related accessories for retrofitting in a Schaffer make column and boom submerged arc welding machine at Bldg 123.	
2	Existing specification of the welding control system	
2.1	Welding control system mounted on column & boom of submerged arc welding machine with the following basic specification: Working length of boom: 5000mm Overall Height: 6800mm Vertical boom adjustment: 1100 - 5100mm Vertical boom speed: 500mm/min. Smallest weldable I.D : 1300mm Travel speed of carriage (infinitely variable) : 50 to 2000mm/min. Horizontal boom speed (infinitely variable): 50 to 2500mm/min. Carriage fest speed: 6000mm/min. Column rotation by motor: 355deg. Track gauge: 1920mm Wheel base: 3600mm	
2.1.1	Welding power source: Make:ESAB; Model: LAE 1600 Maximum load at 100 % duty cycle: 1600 A / 44 V Settings range: 40 A / 22 V--1600 A / 48 V Open circuit voltage 54 V Open circuit power: 220 W Power factor at maximum current: 0,87 Efficiency at maximum current: 86 % Enclosure class: IP 23 Application class: S (<i>for use in areas with increased electrical hazard</i>)	
2.1.2	A2-A6 process controller; Type-PEH ESAB Drive Unit-Consists of two circuit boards, named NME and DC DUO. The NME board deals with all communication with the higher level system via a two--wire serial bus. It also manages the control panel and the display, as well as communication with the DC DUO circuit board processor. The DC DUO board controls the speed of two DC motors, which may be separately excited or of permanent magnet type. Control panel-Consists of the following:1. Change menu, 2. Numerical key, number entry, 3. ENTER key, Change row 4. SHIFT key, 5. Emergency stop. The above menu options are used to configure the equipment connected to the A2--A6 Process Controller (PEH) to give the correct performance of the complete system.	
2.1.3	Wire-feeder assembly with complete set of rollers, wire-feeder motor, contact nozzle assembly with contact tips, wire reels, horizontal and vertical adjusting mechanisms and other related controls and accessories	
2.1.4	Wire-feeder motor specification: DC Motor(Type:GLF 132/4-S), 20KW,40A,3000RPM,Vf-340V,If-1.05A,Va-400V,Ia-57A,INS. CLASS=F	


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2.1.5	Switches, potentiometers, digital meters, relays, DC power supplies, control PCBs etc within the controller, motor power cables, welding, earthing and other interconnecting cables between power source, controller and wire-feeder assembly	
2.1.6	Strip-cladding system housing welding strip of maximum width 60mm and maximum thickness 0.7mm	
2.1.7	Nature of Job - Diameter - 650 to 2000 mm Strip cladding :- Strip dimensions - 50x0.7mm ; 60x0.5mm ; 30x0.5mm Weld Wire:-Dia used - 4mm & 5mm. The system is capable of cladding on inside surface of shell with dia 650 mm to 2000mm with preheat of 150-200 deg C.	
3	Scope of supply and work / commissioning	
3.1.	Scope of supply	
	The vendor has to supply the following components for successful installation, interfacing and commissioning of the up-graded welding system during retrofit:	
3.1.1	New welding power source of suitable rating 1500 to 1600A, (suited the job requirement in Sl.2.1.7)	
3.1.2	Welding process controller with control panel (for programming of weld parameters and incorporation of necessary safety interlocks)	
3.1.3	Wire-feeder assembly with complete set of rollers for wire dia 4mm and 5 mm	
3.1.4	Wire-feeder motor with gearbox to suit the above	
3.1.5	Accessories such as contact nozzle assembly with contact tips, wire reels, horizontal and vertical adjusting mechanisms and other related controls and sub assemblies.	
3.1.6	Strip-cladding assembly to suit strip strip dimensions 50x0.7mm, 60x0.5mm and 30x 0.5mm	
3.1.7	Remote operator pendant for boom movement control with sufficient length (This is to be extended from the existing movement control panel)	
3.1.8	A mechanism for feeding and recovery of flux with the following basic features: Input power supply: 220V, 1 phase, 50Hz Weight of the recovery system:13-15kg Should have Remote control on/off pendent to turn the mechanism on and off with weld cycle. Direct recycling of flux back to hopper. Fused slag shall be automatically seperated from flux. Dust and fines shall be collected in a dust bag for easy dumping. Should be provided with a sight window both in recovery system and hopper for easy flux level indication. Shall be easily mountable and detachable from submerged arc welding equipment. System shall come complete with 5 ft. hose, hopper mounting brackets, sight window for hopper, and flux pick-up nozzle. Additional accessories such as flux hose mounting brackets, portable flux hopper etc shall be provided along with the flux recovery system.	
3.1.9	Auxillary power supply, switches, potentiometers, digital meters, relays, control PCBs etc, motor power cables, welding, earthing and other interconnecting cables between power source, controller and wire-feeder assembly, strip-cladding system.	
	For Sl No. 3.1.1 to 3.1.9 the vendor is to furnish make, model and other details of each item / sub assembly quoted so as to make the whole system usable for the intended welding application.	
3.2	Scope of commissioning	
	The following activities are included under the scope of commissioning of the vendor and shall be executed by the vendor on site:	
3.2.1	Dismantling and removing of the existing welding power source, weld controller, control panel, wire-feeding assembly, all welding cables, power and control cables from the machine	

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3.2.2	Installation of the new welding sub-assemblies and control system, as given in SI. 3.1 on the existing column and boom submerged arc welding machine.	
3.2.3	The welding power source, wire-feeding mechanism, flux feeding and recovery arrangement, welding controller and control panel, electrical junction boxes with terminal blocks and strip-cladding assembly shall be positioned/fixed in the appropriate places. All the necessary brackets, fitments or other mechanical supports required for the same shall be provided and suitably installed on the machine by the supplier.	
3.2.4	All control circuit and power circuit wiring shall be done on the machine for providing control and power supply to motors, PCB cards, selector switches, relays, contactors and for incorporating necessary safety and process interlocks.	
3.2.5	Features in the main control panel such as boom up/down, boom forward/reverse shall be separately provided in a remote operator pendant for operation from the ground. The power supply cable for the remote pendant shall be routed through flexible protective metal-braided hoses. Provision such as hooks etc shall be given on the machine to mount the pendant when not in use.	
3.2.6	All welding, earthing, power and control cables shall be neatly laid down in existing cable drag chains and cable ducts and properly routed to the individual electrical elements for termination. In places where cable ducts are not available, the same shall be provided by the supplier.	
3.2.7	The existing welding parameters and programming features used in the machine shall be reproduced within the new controller. All programming features available in the existing controller shall be retained. Any changes required in the parameters for better weld quality in different grades of materials shall be suitably modified on site after consultation with welding experts and operators from BHEL.	
3.2.8	The minimum and maximum values of welding parameters shall be demonstrated at the time of commissioning.	
3.2.9	All cablings, terminations and connectors are to be properly identified with markers and ferrules for easy tracing and fault rectifications.	
4	General Conditions	
4.1	All the wiring cables / signal /communication cables should be of IGUS/LAPP/HELUKABEL/KABEL SCHELPP make with use of standard color for different voltages.	
4.2	All the cables to the field elements, welding controllers, power source and wire-feeder assembly should be protected by flexible metal conduits with PVC sheathed (Anagonda hose) and both the ends shall be provided with suitable metal glands/connectors. Suitable size of cable ducts/trays should be provided for routing the wires/cables, if not available on the machine..	
4.3	The total system should be user friendly and easy to handle. All safety measures are to be included with proper interlocks and control supply for all limit switches, push buttons, contactors, relays etc shall be of 24V DC supply.	
4.4	Separate DC power supplies with suitable ratings of MCB protection, if required, for welding controller PCBs and other control gear, shall be provided. The makes of power supplies should be Siemens/ Allen Bradley/ Messung/ ABB/ Phoenix/Schneider only.	
4.5	The entire welding systems comprising welding controller, power source, wire-feeder assembly, strip cladding assembly and other accessories shall be of Lincoln/ESAB/OTC Daihen/Ador/Kemppi or equivalent makes acceptable to BHEL.	
4.6	The makes of control and switch gears such as contactors, relays, push-buttons, selector switches, MCBs etc shall be Siemens/L&T/Telemecanique or any other reputed make acceptable to BHEL.	
4.7	The makes of Limit switches used in the machine shall be BCH/Siemens/ L&T/ Telemecanique only.	
4.8	The incoming power supply to the electrical panel shall be 3 phase 3 wire 415+/-10%V, 50+/-2%Hz supply. The power supply to the control panel shall be provided by BHEL.	
4.9	Before quoting, the supplier must visit our works and study the existing machine sequence of operations, material and grade of pipes/tubes being welded, programming options available in the existing controller and other major machine functionalities as given under SI No.2 above.	

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5.1	The GUARANTEE for parts and service should be minimum of 12 Months from the date of commissioning with respect to operation and maintenance of the machine.	
6	DELIVERY:	
6.1	Installation, testing and commissioning of the new welding system at BHEL site should be completed as per PO terms and conditions.	
7	DOCUMENTATION:	
	The final updated documentation shall be submitted after successful commissioning of the system following incorporation of all changes done on site.	
7.1	Three sets of manual as hard copies and 1set of manual as soft copy in CD should be provided.	
7.2	Manual should contain operation & maintenance instructions, master components list, approved drawings with bill of materials, individual mechanical drawings with complete bill of materials for wire-feeder assembly, trouble shooting guide, spares list, electrical drawings, catalogs for bought out items and other accessories in the machine.	
7.3	Electrical schematics- power and control circuit diagrams with detailed Bill of Materials (with complete specifications and quantity used in machine), list of welding parameters for different grades of materials, diagnostics guide.	
7.4	Catalogues of Bought out items (weld controller, welding power source, DC motors, other bought-out items in wire-feeder assembly etc)	
8	ACCEPTANCE CRITERIA:	
8.1	Functionality tests shall be carried out in the machine as acceptable by BHEL.	
9	TRAINING:	
9.1	The supplier shall provide sufficient field training (at BHEL site) to our maintenance personnel in maintenance and trouble-shooting of welding controller, power source and wire-feeder system.	
9.2	The supplier shall provide sufficient training for machine operators with respect to weld parameter programming, setting of welding current and wire / strip-feed speed for different grades of materials and other aspects of operation at BHEL site.	
10	DRAWING APPROVAL:	
10.1	The supplier should submit mechanical and electrical schematics (GA drawing of control panel, panel layout, power and control circuit drawings) with complete bill of materials for approval from BHEL during tender evaluation stage.	
10.2	After placing PO, drawings shall be submitted to BHEL by the supplier for approval within two weeks from the date of PO. The vendor shall proceed with manufacturing only after due approval from BHEL. Note: Drawings submitted during approval stage shall be only tentative schematics.	
10.3	The supplier should submit the completion schedule for executing and commissioning the project.	
11	INSPECTION:	
11.1	After placement of PO, all the components / sub-assemblies and materials as per scope of supply shall be offered for inspection prior to despatch at vendors site.	
11.2	The supplier should get stage clearance in terms of execution as per approved drawings and action plan from area BHEL Engineer during their execution at BHEL.	

Y. Ratchanniya Samuel

31.5.16

Y. RATCHANNIYA SAMUEL
By General Manager
Maintenance & Services
BHEL, TRICHY - 620 014.

Deeputhomas

31/05/16

DEEPU THOMAS
Sr. Maintenance Engineer
Maintenance & Services
BHEL, TRICHY - 620 014.

BHARAT HEAVY ELECTRICALS LIMITED TIRUCHIRAPALLI
CAPITAL PURCHASE

Annexure-A

ACCEPTANCE OF COMMERCIAL TERMS AND CONDITIONS BY THE VENDORS.

(This should be essentially filled in and sent along with the techno-commercial offer without fail. If this check list is not filled and submitted along with techno-commercial offer (Part I) or if the vendor does not confirm acceptance to the terms and conditions proposed, BHEL reserves the right to reject such offer)

CHECK-LIST FOR VENDORS

Sl. No.	DESCRIPTION
1.	<p>The Bidders shall submit their offer in TWO INNER ENVELOPES as indicated below which shall be sealed in one outer envelope.</p> <ul style="list-style-type: none"> ❖ 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. This part should contain the schedule of price particulars and must be co-related to the technical details provided in Part I. <p>All the two envelopes (Part I&II) shall be put in one cover, duly sealed, super scribing as "Part I and Part II of Enquiry No., Due date of opening" and the address and reference of the Bidder. The offer received without the above guidelines, will not be considered for opening.</p> <p>Offers will be accepted & received till 14.00 Hr. on the due date. Therefore Vendors shall ensure to submit the offers before this time. Late offers will not be considered.</p> <p>The Tenders should be addressed to the following address to The Tender Opening Cell/MM Room No-26 , Building – 24 , Ground Floor Bharat Heavy Electrical Limited Tiruchirapalli - 620014.</p> <p>In case personal delivery of the offer, it shall be dropped into the respective box after duly entering the data in the system kept in Room No 26.</p> <p>Vendors are requested to avoid submission of offers thro email / fax. In case of any unavoidable situation, offers shall be sent thro email to the following mail ID only "tender_cell@bheltry.co.in"</p> <p>As such Tenders are being opened by Common Tender opening Cell , offer covers should be sealed with tender's distinctive seal and super scribed with correct Tender NO, item of supply and due date of Opening</p> <p>Tenders should be free from CORRECTIONS AND ERASURES. Corrections if any, must be attested. All amounts shall be indicated both in words as well as in figures. In case of any difference between amount quoted in words and figures, amount quoted in words shall prevail.</p> <p>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.</p>
2.	<p><u>OPENING OF TENDERS</u></p> <p>The Part I- Technical & commercial bid 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.</p> <p>Clarifications if any required by BHEL for Technical evaluation would be sought from bidders before opening of Part II - price bid.</p>
3.	<p><u>Taxes and Duties</u></p> <p>All Taxes and Duties payable as extra to the quoted price should be specifically stated in offers along with CST & TIN No / Tariff No. etc., failing which the purchaser will not be liable for payment of such Taxes and Duties. Our TIN No. 33243560005, TNGST No. 3560005, CST. No. 239383 Dt. 11-06-1991 & BHEL ECC No. AAACB4146PXM012, Service Tax Registration No (STC)- AAACB4146PST006. Assessment circle Tiruverambur.</p>
4.	<p><u>Special Provisions for Micro and Small Enterprises (MSE)</u></p> <ol style="list-style-type: none"> 1. 20% of the tendered quantity is earmarked for MSE suppliers in this tender. 2. Out of the 20% tendered quantity reserved for MSE suppliers, 4% shall be earmarked for procurement from MSE owned by SC/ST entrepreneurs. 3. In case MSE vendor participating in the tender quotes within the price band of L1+15%, they will be allowed to supply the portion of the requirement subject to acceptance of L1 price by MSE vendor. In case of more than one such MSE, the supply shall be shared proportionately. 4. MSE suppliers can avail the intended benefits only if they submit along with offer, attested copies of either EM II (Entrepreneur Memorandum Part II) certificate having deemed validity (five years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with attested copy of a CA certificate (Format enclosed as per Annexure - C) applicable for the relevant financial year (latest audited), certifying quantum of investment in plant and machinery within the permissible limit as per the act for relevant status (Micro or small) where the deemed validity of EM II is over. Date to be reckoned for determining the deemed validity will be the last date of technical bid submission. Offer/s received without these documents will lead to consideration of their offer at par with other bidders and MSE status of such suppliers shall be shifted to Non MSE supplier.

No row shall be left blank. Please indicate NA, in case the item is "Not Applicable"	Vendor's confirmation
5. Validity: Validity of the offer should be 120 days from the date of tender opening.	
6. Release of Purchase Order: <ul style="list-style-type: none"> ➤ Purchase Orders will be released on successful L1 vendor. ➤ Separate orders for supply & service will be released on the successful L-1 vendor for each line items. (Service order released only in the case of, Installation / erection / commissioning portion are applicable on tender scope & quoted separate charge for same by vendor). 	
7. Payment Terms for supply Portion: a) 80% of payment will be released within 45-90 days after receipt & acceptance of material. b) 20% of payment will be released after completion of successful commissioning of Welding Control system of SAW machine against submission of 10% PBG for a Warrantee period of 18 Months.	
Installation & Commissioning Portion (if applicable only): 100% of the installation / commissioning charges (in case contract involves erection / installation /commissioning) shall be paid only on completion of such erection / commissioning at BHEL, Tiruchirapalli.	
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.	
8. Performance Bank Guarantee (PBG): The bidder in the event of an order, should furnish a Bank Guarantee from an Indian Bank approved by BHEL, at no extra cost in a format prescribed by BHEL, along with the order, for an amount equivalent to 10% (Ten percent) of the value of the contract. The PBG shall be valid for a period of 18 months from the date of despatch or 12 months from the date of receipt / acceptance / commissioning of equipment at BHEL, Tiruchirapalli whichever is more, with a claim period of two months. The Performance Bank Guarantee shall be obtained from any one of the following banks which is a member bank in our consortium of Banks: List of Consortium Banks DEUTSCHE BANK, HDFC BANK, ANZ GRINDLAYS BANK, CITI BANK, STANDARD CHARTERED BANK, BANK OF AMERICA, ABN AMRO BANK, IDBI LTD, ICICI BANK LTD, THE HONGKONG & SHANGHAI BANKING CORPORATION LTD. List of Nationalised Banks ALLAHABAD BANK, ANDHRA BANK, BANK OF INDIA, BANK OF BARODA, BANK OF MAHARASTHRA, BHARAT OVERSEAS BANK, CANARA BANK, CENTRAL BANK OF INDIA, CORORATION BANK, DENA BANK, INDIAN BANK, INDIAN OVERSEAS BANK, ORIENTAL BANK OF COMMERCE, PUNJAB NATIONAL BANK, PUNJAB & SINDH BANK, STATE BANK OF INDIA, STATE BANK OF TRAVANCORE, STATE BANK OF MYSORE, STATE BANK OF BIKANER & JAIPUR, STATE BANK OF HYDERABAD, STATE BANK OF PATIALA, STATE BANK OF MAHARASTHRA, STATE BANK OF SOURASTHRA (SBI-13.09.08), SYNDICATE BANK, UCO BANK, UNION BANK OF INDIA, UNITED BANK INDIA, VIJAYA BANK. <u>If PBG is issued by foreign counter part of the BHEL consortium Indian Bank, in case of claim against the PBG, it will be lodge in any one of the Indian counters of the Foreign Bank which issued the PBG.</u>	
9. Liquidated Damages (LD): The delivery of the goods specified in the purchase order should be made within the time prescribed. LD for delay in 'Supply' and/or 'E&C' will be applicable to the delays attributed to vendor. LD will be considered separately for 'Delivery' and 'E&C'. Where the seller supplies or dispatches the goods, beyond the delivery period Liquidated damages shall be applicable 0.5% of the total order value per week or part thereof subject to a maximum of 10% of the total order value. Detail of LD mode are shown below Single Delivery Date (Material Dispatched after Due date) Once the delivery due date is crossed, bills have to be clubbed till final despatch and forwarded for processing of payment as a single bunch. LD percentage will be calculated from Delivery due date to final despatch date. (100% Order should be completed for processing the bill) Staggered Delivery 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. PO Pending value (each Bill Value) up to Max 10 % of Total PO value) <i>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).For the purpose of Imposing LD, the FOB delivery (B/L date) shall be considered. Bidder should indicate the LD mode (single delivery or staggered delivery) on the confirmation column, otherwise single delivery date will be considered for further evaluation</i>	
10. Risk Purchase: Alternatively the purchaser at his option will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or despatch within the time stipulated as aforesaid or if the same were not available from the best and the nearest available substitute. The supplier shall be liable for any loss which the Purchaser may sustain by reason of such risk purchases.	
11. Delivery Terms and evaluation process: Indian Bidders should submit their offer for FOR-BHEL, Tiruchirapalli basis . Packing & Forwarding and Freight & Insurance charges from works to BHEL, Tiruchirapalli to be indicated separately if extra from basic rate. Applicable % of ED & Sales Tax, Commissioning Charges should be clearly indicated. Evaluation of offers shall be on the basis of delivered cost (Net cash outflow to BHEL-Trichy).	

12.	<p>Guarantee: Vendors shall provide a guarantee for a period of 12 months from the date of commissioning of the equipment or 18 months from date of supply, whichever is earlier. The date of B/L or AWB shall be taken as the date of supply. <u>Offers from vendors not accepting the requested guarantee period will be rejected.</u></p>	
13.	<p>Short shipment / Warranty replacement: In case of any short shipment in the main equipment / spares, customs duty levied on such supplies, shall be borne by the supplier. Any warranty replacement during the warranty period shall be on FOR-BHEL, Tiruchirappalli basis.</p>	
14.	<p>Inspection & Testing: All goods shall be subject to inspection by BHEL or its authorized representatives at supplier's works or at BHEL stores or at any other place in India indicated by BHEL as the case may be. The supplier will not charge for the facilities provided for inspection of goods. In case of machine tools, the machine would be inspected and proved at supplier's works prior to dispatch however, final inspection and acceptance of the machine will be carried after installation of the machine at BHEL, Tiruchirappalli.</p>	
15.	<p>Test certificates / Operating and Maintenance manuals : The Bidders shall clearly mention in their offer, that Test Certificates and Operating Maintenance Manuals, etc., as called for in the Technical Specification, in the required number of copies will be provided at no extra cost</p>	
16.	<p>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 Site/Stores with Consignee copy attached. In this case Loading will be 3% on the offered value. Offers of indigenous Suppliers with payment terms as LC/Advance Payment are liable for rejection.</p>	
17.	<p>BHEL will consider the ranking after the loading is applied as referred above wherever deviations are observed.</p>	
18.	<p>Reverse Auction (RA): BHEL reserve the right to conduct on-line internet Reverse Auction i.e. ONLINE BIDDING (THROUGH A SERVICE PROVIDER) for finalising the tender. This decision will be communicated to the techno-commercially qualified vendors after evaluation. Details / General terms / guidelines for conduct of RA are shown below: Vendors are requested to confirm their acceptance for BHEL proceeding with RA route for finalisation of the enquiry.</p> <ol style="list-style-type: none"> 1. Technically and Commercially acceptable Bidders shall only be eligible to participate in the Reverse Auction. 2. BHEL shall engage the services of a Service Provider, who shall extend all necessary training and assistance before commencement of ON-LINE-BIDDING through Internet, at NO extra-cost to the Bidders. 3. Eligible Bidders shall be informed in writing, about the details of Service Provider, to enable Vendors to contact the Service Provider and get trained. 4. Event Date, Time, Start Price, Bid Decrement, Time-Extensions, etc. shall also be communicated through the Service Provider for compliance by Bidders. 5. Vendors have to FAX the Compliance Form (Annexure-IV), before start of RA. Without furnishing the above Compliance Form, Bidders shall not be eligible to participate in the RA. 6. BHEL shall provide the calculation sheet through the Service Provider, which shall be helpful to arrive at "TOTAL COST to BHEL", like Packing and Forwarding Charges, Taxes and Duties, Freight Charges, Insurance, Service Tax and other loading factors (for non-compliance to BHEL Standard Commercial Terms and Conditions), for each of the Bidder, to enable them to fill in the price and keep it ready for inputting data during the RA. 7. RA shall be conducted on a pre-determined Date and Time. 8. At the end of RA, the lowest Bid Value will be known on the Network. 9. Lowest Bidder has to FAX the Prescribed Format, duly filled in and signed in, as provided, on a case-to-case basis, to the Service Provider, within 24 Hours of RA without fail. 10. Any variation between the ON-LINE Bid Value and the signed document will be considered as unethical the Tender process and will invite disqualification of Bidder, for further business dealings with BHEL as per the prevailing procedure. 11. In case BHEL decides not to go for Reverse Auction procedure for this tender, the Price Bids & Price Impacts, if any, already submitted & available with BHEL shall be opened as per BHEL's standard practice. 12. BHEL reserves the right to negotiate if need be, with the L-1 vendor of the RA. 13. <u>BHEL reserves the right not to consider offers from vendors not complying with the RA process for finalisation of the enquiry.</u> 14. If the Bidder or any of his representatives are found to be involved in Price manipulation / cartel formation of any kind, directly or indirectly by communicating with other bidders, action as per extant BHEL guidelines shall be initiated by BHEL and results of the RA scrapped / aborted. 15. In case BHEL decided to go for Reverse auction, the H-1 bidder(s) (whose quote is highest in the online sealed bid) may not be allowed to participate in further Reverse Auction. 	
19.	<p>ARBITRATION: All disputes or differences whatsoever which may arise at any time during execution of the Contract shall be mutually settled by BHEL and Contractor as per provision of the Contract. However, in the event such disputes cannot be settled mutually, such disputes shall be settled as per the Arbitration and reconciliation Act, 1996 of the Govt. of India and its subsequent amendments. In case of disputes with the Central PSUs, the same shall be settled at Tiruchirappalli as per the Guidelines of the Govt. of India. However, during the period such disputes are settled either by mutual discussions between the parties or by legal means, Contractor shall continue to do the work as per terms & conditions of Contract.</p>	

20.	<ul style="list-style-type: none"> ➤ Point to point confirmation for the Technical Specification enclosed to be provided. If there are any deviations, the same should be clearly specified. Offers received without confirmation to our specifications will be liable for rejection. If needed additional sheets shall be used. ➤ Equipment offered shall be "New". Re-built / Re-conditioned / Used equipment's will not be accepted. Incomplete offers will not be considered for further processing Fixed price: ➤ BHEL reserves its right to reject a tender due to unsatisfactory past performance in the execution of a contract at any of BHEL projects / units. ➤ BHEL shall be at liberty to reject or accept any tender, part or in full, at their own discretion and any such action is not liable for any question or claim against BHEL. ➤ 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 ➤ The Supplier shall arrange for securely protecting and packing the stores to avoid loss or damages during transit. 	
21.	Company Details & Contact	
	Full Address of the company for future correspondence / placing order. (Copy of address proof & PAN card shall be attached along with Part-I)	
	Company Email ID:	Phone No.:
	Fax No	Pan No with copy
	CST /TIN No	
	Name of the contact person:	Mobile No.:
	e-mail ID	
22.	TO BE CONFIRMED BY VENDOR	
	Country of origin:	
	Station of dispatch / Port Of Shipment	
	Delivery Terms (FOR Destination / Ex-works)	
	Packing & Forwarding Charges in % or Lump sum, if extra from basic rate	
	% of Excise Duty with cess	
	% of TAX (CST / VAT) (TNGST with FORM-17 or CST with C-FORM)	
	(If applicable only) Installation & Commissioning charge is inclusive (or) exclusive on basic rate.	
	Service Tax extra or Not	
	Freight & Transit insurance charges (if any, in Lump sum (or) percentage) from Dispatching station to BHEL Tiruchirappalli.	
23.	DELIVERY SCHEDULE:	
	Supply Portion: Delivery schedule from the date of Letter of Intent / Purchase Order. (This should be inclusive of Order acceptance, drawing approval and time period required for receiving goods at BHEL Trichy etc.)	
	Time period required for Installation / Erection & Commissioning from date of site clearance given by BHEL, Trichy.	
24.	Weight & Cubage of package:	
	Approximate Net weight of the total consignment:	
	Approximate Gross weight of the total consignment:	
	Approximate volume of the total consignment:	
For any queries / clarifications the bidders may contact us through our FAX NO. +91 431 2520719 or through e-mail <petterri@bheltry.co.in>		

NOTE:-

- a) Your specific acceptances to our Payment terms, LD, Risk Purchase Clause are essential for consideration of your offer. Otherwise your offer is liable for rejection.
- b) No row shall be left blank. Please indicate NA, in case the item is "Not Applicable"

Declaration:-

We have gone through and understood the 'General guidelines & instructions to bidders for submitting offer' enclosed as a part of the Tender and confirm that our offer has been made in line with the same.

Signature with date:

(AFFIX OFFICIAL SEAL HERE)

Name:
Designation:
Department:

(Please Affix Your Signature with Seal on Each Page)

Annexure-B**Bharat Heavy Electricals Limited TIRUCHIRAPPALLI/CAPITAL PURCHASE****MODEL PRICE BID FORMAT FOR INDIAN BIDDERS**

Enquiry No. & Date:

Bidder's Offer No. & Date:

Sl. No.	Description of item	Unit (Set / No.)	QTY	Basic Rate / Qty. in Rs. (excluding all Taxes)	ED in %	VAT / CST in % (TNGST with FORM-17 or CST with C-Form)	Service Tax in %	Total Value in Rs. (Including all taxes & duties)
10	Supply Portion							
20	Installation & Commissioning Charges for Sl. No: 10 (if available in tender scope & exclusive from basic rate for supply portion)							
	Packing & Forwarding charges (if any) in percentage (or) Lump sum							
	FOR Dispatching station value in Rs.							
	Percentage of Freight & transit insurance charges, if any (Lump sum or %) Freight & Insurance charges from Dispatching station to BHEL, Tiruchirapalli							
	Approximate Net weight of the total consignment							
	Approximate Gross weight of the total consignment							
	Approximate Dimensions of the 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".

Bharat Heavy Electricals Limited TIRUCHIRAPPALLI/CAPITAL PURCHASE

CERTIFICATE BY CHARTERED ACCOUNTANT

This is to Certify that M/s., hereinafter referred to as 'company') having its registered office at is registered under MSMED Act 2006, Entrepreneur Memorandum No (Part - II) dtd:....., Category :.....(Micro / Small)). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as on date as per MSMED Act 2006 is as follows:

1. For Manufacturing Enterprises: Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by the Ministry of Small Scale Industries vide its notification No.5.0.1722(E) dated October 5, 2006:

Rs.....Lacs

2. For Service Enterprises: Investment in equipment (original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED Act, 2006:

Rs.....Lacs

The above investment of Rs..... Lacs is within permissible limit of Rs.....Lacs for Micro / Small (Strike off which is not applicable) Category under MSMED Act 2006.

Date:

(Signature)

Name -

Membership Number -

Seal of Chartered Accountant