



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 2691500094 - 41	Enquiry Date 14.11.2015	Due Date for Quotation 09.12.2015
<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	<p>Deep penetration GMAW power source TECHNICAL SPECIFICATION FOR DEEP PENETRATION GMAW POWER SOURCE 1.0 PURPOSE Deep Penetration GMAW Power Source with the features indicated below. Completely digitised microprocessor-controlled inverter power source. The modular design and potential for system add-ons should ensure a high degree of flexibility. The devices should be adapted to any specific situation. The central control unit of the power source should be coupled with a digital signal processor (SMB board, Spider motherboard # central control and regulation unit for the welding process,-). The central control unit and digital process controller should regulate and control the entire welding process. During the welding process, the actual data should be measured continuously and the machine should respond immediately to any changes. Control algorithms should ensure that the desired target state is maintained. This should result in: # Precise welding process # Exact reproducibility of results # Exceptional weld properties # MIG/MAG: Pulse Synergic and Standard-Synergic modes as well as with a process combination of pulse arc and short arc welding process # Multi Control Pulse with low spatters characteristics # Water cooled MIG torches # Option for using it for SMAW and GTAW processes too 2.0 SCOPE OF SUPPLY 2.1 The power source should have the following features and the scope of supply includes the following. # Modified Wave Form Controlled Deep</p>	NO	1.000	1.00	11.01.16

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
26 th OCT to 31st OCT 2015
FOR VIGILANCE RELATED COMPLAINTS,
CONTACT DGM/VIGILANCE & SM/VIGILANCE
PHONE:0431-2577552,2577636

ARUN PRASATH. N
Senior Engineer
Purchase (CP & SP) / MM / RM
BHEL, TIRUCHY - 620 014.

Yours faithfully,
For BHARAT HEAVY ELECTRICALS LIMITED

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Penetration MIG/MAG Power Source with Pulse Synergic and Standard-Synergic modes as well as with a process combination of pulse arc and short arc welding process and Multi Control Pulse with low spatters characteristics

- # With this welding system the firmware of the whole welding system should be updated by performing a central software update on the power source. All peripheral components connected to the power source (e.g. the wire-feed unit) to be updated automatically
- # Smart ID and Device ID are required in welding systems to identify the module concerned. This is required in order to facilitate the automatic recognition of modules as they are connected to the welding system.
- Manual configuration should not be necessary
- # Wire feeder suitable for 0.8 mm dia to 1.2 mm solid wires as well as for 1.6 mm flux cored wires
- # Cooling unit
- # Carriage
- # Ground Cable 70 Sq.mm 4 m 600 A 35%
- # Wear part kit suitable for the range of wires
- # Gas Pressure Regulator 3-30 l / min Ar CO2
- # Gas sealed steel/CrNi liners with specific diameter clamping piece(preferably color coded for various diameter wires) - almost no loss of gas
- # Spatter Guard
- # Suitable Low absorption of radiant heat by top-contact tip geometry
- Up to min 70 ° lower temperature on the wear parts ,Contact tips with adequate number of spare tips
- # Gas Nozzle Dia. 17/Dia. 25 X 63 mm with adequate number of spare nozzles.

3.0 POWER SOURCE

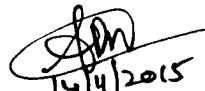
Power source: inverter based synergic welding
Power source with provision for standard and pulsed welding.
Mains voltage 3 x 400 V
Maximum effective primary current = 15 # 17 A
Maximum primary current = 25 A
Mains fuse = 35 A slow-blow
Mains voltage tolerance = +/- 15 %
Mains frequency = 50 Hz
Cos phi (1) = 0.99
Max. permitted mains impedance Zmax
Recommended earth-leakage circuit breaker = Type B
Welding current range for MIG/MAG = 3 - 400 A and for SMAW 10 - 400 A
Duty Cycle at 40 °C (104 °F) = 400 A at 40

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%, 360 A @ 60 % and 320 A
@ 100 %
Output voltage range according to standard
characteristic:
MIG / MAG = 14 - 34.0 V
SMAW = 20 - 36.0 V
Degree of protection IP 23
Type of cooling AF
Overvoltage category III
Pollution level according to IEC60664 3
EMC device class A
Safety symbols S, CE
Dimensions (to be specified by the supplier)
Weight (to be specified by the supplier)
Max. shielding gas pressure = 7.0 bar
Type of coolant (to be specified by the supplier)
Max. coolant pressure: 5 bar
Welding Power source communication thru:
Digital communication
100 Mbps data transmission rate
Ethernet based communication
Separate IP Address for the welding power
source
Touch Display Screen:
Size: (To be mentioned by the supplier)
Resolution: 800 x 480
Operating frequency: (To be mentioned by the
supplier)
RAM: 128 Mb, Min 32Bit CPU With 532MHz
Flash: 512 Mb
16 bit full colour Display
Full text with no abbreviations, individual
language selection
The system guides the user with descriptive
texts and graphical
instructions
Capable to be operated with welding gloves
Operation principle:
Resistive Touch Display
Push-turn incremental encoder
USB Slot
Backup / Restore
Service Dongle
Operating system
LINUX based
Web server included
The system should automatically detect all
the available components,
e.g. automatic detection of welding torch,
cooling unit, wire-feed unit
RL Alignment
To align the welding circuit resistance (R) and
welding circuit
inductivity (L) if one of the following
components of the welding device
is changed:
- Torch hosepacks
- Interconnecting hosepacks
- Grounding (earthing) cables, welding cables
- Wire-feed units

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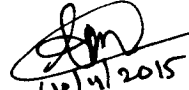
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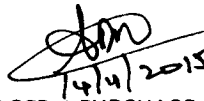
- Welding torches, electrode holders
3.1 MIG WIRE FEEDER
Wire feeder: power feed 10 M.
Motor of Wire feeder to be mentioned by the supplier:
Brush-type/ Brushless
water cooled
Worm/Spur gear
Power supply
Power consumption:
Wire feed range: 1 to 25 m/min.
Wire diameter range: 0.8 to 1.6 mm.
Supply voltage: 24 V DC / 60 V DC
Rated Current: 0.5 A to 1.2 A
Wire drive: 4 wire drive
Wire spool dia: 300 mm
Wire Spool weight: 15 kg and above
Weight of wire feeder: To be specified by supplier
Torque: To be specified by the supplier
Potentiometer in front
Motor plate and feed rolls: Motor plate made of Al-Cast
Self-opening swing lever
Pressure lever to adjust
Feed rolls with colour marking for wire diameter
Inching should be done without opening the pressure lever
U-groove with four points of support
Fully hardened (Min. HRC 60)
Type of bearings: To be specified by supplier
3.2 MIG TORCH AND CONNECTORS
Machine mountable multi lockable water cooled torch and hosepack.
Rating: 500 A @ 100% duty cycle for CO2 and mixed gases
Wire diameters to be accommodated: 0.8, 1.0 mm, 1.2, 1.6 mm.
The connectors should have integrated signal control and suitable for all type of operations i.e. manual, mechanised and robotic welding .
(OPTIONAL: Torch can have illumination facility for area of welding which could be integrated in the torch. Separate quote can be made as an additional option for evaluation)
Contact tips with low radiant heat absorption are preferable and to be specified by supplier.
3.3 COOLING UNIT
Closed circuit circulating unit.
tank capacity: Min 5.0 litres
Flow rate: 1 - 3.5 lpm (min).
Max. Pump Pressure: 4.2 bar (min)
Max. rise: 35 m
Cooling capacity (to be specified by supplier) at 40° C: 1000 W and above is preferable
Pump lifespan: Min. of 10000 hrs. TO be

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specified by supplier.
 Fan cooled heat transfer unit.
 Coolant pump: centrifugal type.
 Hoses and fittings with bypass valve.
 Pressure switch for feedback.
 Water connection on the front side
 Thermal sensor in the return flow to measure the return temperature of the coolant
 Cut-out temperature with temperature sensor could be max 70°C.
 Warning should be there if the temperature is at 68°C # 70°C
 Flow sensor in the return flow
 Warning between 0.7 and 1.0 l/min.
 Level sensor in the cooling tank

3.4 Torch Body

- # Flex Neck for water cooled torch
- # Tapered contact tips
- # Need Low absorption of radiant heat by top-contact tip geometry
- # Up to 70 ° lower temperature on the wear parts
- # Steel and CrNi-inner liners without isolation for gas and water cooled configuration-Gas sealed with specific diameter clamping piece colour coded - almost no loss of gas
- # Cooling of water cooled torches pulled forward as far as possible and also on the outside
- # Cooling of Multi-lock welding torches-When the torch body is connected, the water circulates to 100% above the torch body and the wearing parts
- # Torch with LED illumination, Illumination of the welding area before and after welding
- # Control via two-stage gun trigger

3.5 Special Features

- Weld Start /Weld End parameters
- # Starting / End current: Percentage of the welding current (max. 200%)
- # Start/End arc length correction: regulation via voltage
- # Start/End current time: adjustable time from 0-10 sec
- # Slope 1/2: adjustable time from 0-9,9 sec
- # SFI: spatter free ignition
- # SFI Hot start: adjustable from 0-2 sec
- # Wire retract,-Ignition current (manual): Adjustable from 0-650 A
- # Wire retract (manual): Adjustable from 0-10

Process control


- # Penetration stabilizer: 0.1-10 m/min, Arc length stabilizer: 0-2
- # Wire feed speed: 1.5-25 m/min,
- # Delta wire feed: 0.1-6 m/min

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Frequency: 0.5-3.0 Hz, Duty Cycle: 10 - 90%
Arc length correction high: -10 - +10
Arc length correction low: -10 - +10
Job mode
No. of Jobs that should be saved and select:
Min 1000
Facility to view Jobs on Web Browser
System data should cover
Motor current
Flow rate and cooling liquid temperature
Operating hours and duty cycle
Instantaneous Power
Real energy
The coolant filters should have CrNi or better screen to filter out particle sizes of 100 microns (min). Amount of coolant required for use of 250 man days and frequency of coolant change to be specified by supplier. Cost of coolant / unit: To be specified by supplier

4.0 SAFETY EQUIPMENT

The system will trip in the event of:

- # Stoppage of shielding gas flow.
- # Stoppage of cooling water flow.
- # Stoppage of wire feeding.

5.0 SPARE and WEAR PARTS

Mandatory Spares and consumables for two year trouble free operation of the whole system are to be included in the offer separately.

6.0 SERVICES AT VENDORS, WORKS

Inspection of the complete system by BHEL, Engineers and pre acceptance welding trials on mock -up pieces at vendors works.

7.0 SERVICES ON SITE AT BHEL, TIRUCHY

Installation and commissioning of the system at BHEL, Tiruchy.

8.0 DOCUMENTATION

8.1 Three sets of following documents (3 Hard copies) in English language will be supplied along with the machine.

8.2 Machine Operation manuals:

Operating manuals of machine and system with machine specifications, detailed operating instructions for machine operation, setting of machine parameters, precautions, and machine safety details.

8.3 Maintenance and troubleshooting manuals:

Detailed maintenance manual of machine with all drawings of machine assemblies/ parts, Hydraulic, Electrical circuit diagrams shall be supplied with the parts list. Maintenance, Interface and commissioning manuals for systems and

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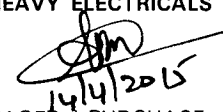
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drives
The vendor shall submit complete list of parts used in the machine
One additional set of all above documentation on CD
All O and M software for the system.

General Note:

Important note:

YOU SHOULD CONFIRM LD CLAUSE, VALIDITY , PBG, PAYMENT TERMS AND DELIVERY PERIOD AS PER BHEL COMMERCIAL TERMS AND CONDITIONS. OTHERWISE YOUR OFFER WILL BE REJECTED.

ANNEXURE - 'A':- COMMERCIAL TERMS AND CONDITIONS MUST BE FILLED AND SUBMIT ALONG WITH TECHNO COMMERCIAL BID.

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.

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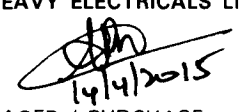
The bidder along with its associate/ collaborators/ sub-contractors/ sub-vendors/ consultants/ service

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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.

Enclosures:

"LD clause has to be confirmed without fail."

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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 herein, BHEL reserves the right to reject such offers)

CHECK-LIST FOR INDIGENOUS VENDORS

SI No	DESCRIPTION
	<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>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:</p> <ol style="list-style-type: none">1) Please submit your offer on F.O.R - BHEL, Trichy (Tamilnadu) basis and in two part (part-i: techno-commercial bid and part-ii: price bid) in a separate covers and both covers to be placed in an envelope which is super scribed with enquiry no, enquiry date and due date of tender opening.2) If the offer is submitted in single part and the same will be liable for rejection.3) All the Tenders may be addressed to the following address to The Tender Opening Cell/MM Room No-26, Building – 24, Ground Floor Bharat Heavy Electrical Limited Tiruchirappalli- 620014., TAMILNADU, INDIA4) 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. 26.5) Offers will be accepted received till 14.00 hrs on the due date. Therefore Vendors shall ensure to submit the offers before this time.6) 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>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> <p><u>OPENING OF TENDERS</u></p> <p>The Part I- Technical & commercial bid would be opened on the Tender opening date.</p> <p>Part-II, Price bid of technically suitable Bidders alone would be opened after complete evaluation of Part-I. Hence the Bidders are required to submit their best competitive price in the price bid in a sealed cover (Part-II). In case of necessity BHEL reserves the right to go for a reverse auction (RA) instead of opening the submitted sealed bid, which will be decided after technical evaluation. Information and general terms and conditions covering RA are given in this Annexure- I (Point no.16).</p> <p>Date and time of Price Bid (Part-II) opening / RA conducting date shall be intimated to the technically and commercially acceptable bidders only. Clarifications if any required by BHEL for Technical evaluation would be sought from bidders before opening of Part II - Price Bid/ RA</p>

TAXES AND DUTIES :

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 Reg No (STC)-AAACB4146PST006. Assessment circle Tiruverambur.

Cenvat credit & VAT credit (for Indian Bidders only): If any Excise Duty is payable, the chapter head / sub-head reference and the rate of the duty should be quoted. If the tenderer is availing **CENVAT** credit for his input materials, the effect of Proforma credit should be passed on to the purchaser

Income Tax applicable

Any service charges payable towards supervision of E&C, training, performance prove-out etc., will be released after deduction of Income Tax as per Indian Income Tax Act / as per the Govt. of India rules and TDS certificate will be issued by BHEL for such deductions. Applicable service tax on E&C charges will be payable extra. The liability of depositing the same to the Govt. will be of the supplier

No row shall be left blank. Please indicate NA, in case the item is "not applicable"		Vendor's confirmation
1	Validity: Validity of the offer should be 120 days from the date of tender opening.	
2	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 it's 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	
3	If offer is received from both OEM/Manufacturer and authorized dealers or Agent, then OEM/Manufacturer offer will only be considered and dealers or Agent offer will be ignored.	
4	Release of Purchase Order: ➤ Purchase Orders (separate for supply and I&C portion if applicable) will be released on the successful vendor (L1 vendor) ➤ Order shall be placed on single vendor on cumulative L1 basis. ➤ This tender is composite in nature and cannot be split-up to more than one vendor. Hence the entire work will be awarded to only lowest bidder of the tender. Work cannot be split-up and given to MSE vendor if they are L2 or above ranking in the tender.	
5	Payment terms for Supply Portion 80% Payment after receipt and acceptance of material and balance 20% within 45-90 days after commissioning against submission of 10%PBG for order value.	
	Installation & Commissioning Portion (if applicable only): 100% of the Erection / commissioning charges (in case contract involves erection /commissioning) shall be paid only on completion of such erection / commissioning at BHEL	
	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.	

6	<p>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 dispatch or 12 months from the date of receipt / acceptance / commissioning of the equipment at BHEL, Trichy whichever is more, with a claim period of two months.</p> <p>The Performance Bank Guarantee shall be obtained from any one of the following banks which is a member bank in our consortium of banks.</p> <p>LIST OF CONSORTIUM BANKS 1. DEUTSCHE BANK 2.HDFC BANK 3.ANZ GRINDLAYS BANK 4.CITI BANK 5.STANDARD CHARTERED BANK 6.BANK OF AMERICA 7.ABN AMRO BANK 8.IDBI LTD 9.ICICI BANK LTD 10.THE HONGKONG AND SHANGHAI BANKING CORPORATION LTD.</p> <p>LIST OF NATIONALISED BANKS 1.ALLAHABAD BANK 2.ANDHRA BANK 3.BANK OF INDIA 4.BANK OF BARODA 5.BANK OF MAHARASTRA 6.BHARATH OVERSEAS BANK 7.CANARA BANK 8.CENTRAL BANK OF INDIA 9.CORPORATION BANK 10.DENA BANK 11.INDIAN BANK 12.INDIAN OVERSEAS BANK 13.OREINTAL BANK OF COMMERCE 14.PUNJAB NATIONAL BANK 15.PUNJAB & SIND BANK 16.STATE BANK OF INDIA 17.STATE BANK OF TRAVANCORE 18.STATE BANK OF MYSORE 19.STATE BANK OF BIKANER & JAIPUR 20.STATE BANK OF HYDERABAD 21.STATE BANK OF PATIALA 22.STATE BANK OF MAHARASTRA 23.STATE BANK OF SOURASTRA(SBI-13.09.08) 24.SYNDICATE BANK 25.UCO BANK 26.UNION BANK OF INDIA 27.UNITED BANK OF INDIA 28.VIJAYA BANK</p> <p><u>If PBG is issued by a Foreign counter part of the BHEL consortium Indian Bank, in case of claim against the PBG , it will be lodged in any one of the Indian counters of the Foreign Bank which issued the PBG.</u></p>	
7	<p>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 'I&C' will be applicable to the delays attributed to vendor. LD will be considered separately for 'Delivery' and 'I &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.</p> <p>The rate of LD for delayed E&C shall be @ 0.5% per week of delay of total PO value (Supply + I &C) in I &C subject to a maximum of 10% of total PO value (Supply + I&C).</p> <p>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.</p> <p>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).</p>	
8	<p>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 dispatch 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.</p>	
9	<p>Delivery terms and evaluation process: Indian Bidders should submit their offer on FOR BHEL, Trichy basis. Packing & Forwarding and Freight & Insurance charges from works to BHEL, Trichy to be indicated separately if extra from basic rate. Applicable % of ED & Sales Tax , Commissioning Charges should be clearly indicated.</p> <p>Evaluation of offers shall be on the basis of delivered cost (Net cash outflow to BHEL)</p>	
10	<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. Also, a PBG has to be given which shall cover the guarantee period (with additional 2 months as claim period). Normally No deviation permitted and the deviated offers are liable for rejection.</p>	
11	<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 warrantee period shall be on FOR, BHEL, Tiruchirappalli, basis.</p>	
12	<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>	
13	<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>	
14	<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>	
15	<p>BHEL will consider the ranking after the loading is applied as referred above wherever deviations are observed.</p>	

<p>16</p>	<p>Reverse Auction (RA): BHEL reserves the right to conduct on-line internet Reverse Auction ie. ONLINE BIDDING (THROUGH A SERVICE PROVIDER) for finalizing the Tender. This decision will be communicated to the technically qualified vendors after technical 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 finalization of the enquiry.</p> <ol style="list-style-type: none"> 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/e-mail 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. 12. BHEL reserves the right to negotiate if need be, with the "L1" vendor of the Reverse Auction 13. <u>BHEL reserves the right not to consider offers from vendors not complying with the RA process for finalization 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 the results of the RA scrapped/ aborted. <p>In case BHEL decides to go for reverse auction, the H1 bidder(s) (whose quote is highest in online sealed bid) may not be allowed to participate in further RA process.</p>	
<p>17</p>	<p><u>Special Provisions for Micro and Small Enterprises (MSE)</u></p> <p>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 - III) 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.</p>	
<p>18</p>	<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. ➤ All Equipment's / Services including concerned personnel for carrying out the erection and commissioning of the equipment shall be arranged by the vendor. If any Services are availed from BHEL, it is only on chargeable basis unless otherwise specified. ➤ 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. 	

19	Company Details & Contact		
	Full Address of the company for future correspondence. (Copy of address proof & PAN card shall be attached along with Part-I)		
	Company Email ID:		Phone No.:
	Fax No		PAN No
	CST /TIN No		Service Tax No.
	Name of the contact person:		Mobile No.:
	e-mail ID		
TO BE CONFIRMED BY VENDOR			
20	Country of origin:		
	Station of dispatch/Port of Shipment		
	Delivery Terms (For destination or Ex-works)		
21	Packing & Forwarding Charges, if any (in % or Lumpsum) ie. 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 applicable extra or not		
22	Freight & Transit Insurance charges (if any, in Lumpsum (or) percentage) from Dispatching station to BHEL Tiruchirappalli, (Note:If the delivery terms is Ex Works the materials has to be sent through BHEL approved carrier only, in this case the Freight & Insurance will be borne by BHEL)		
	Delivery 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.,		
23	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 <ssm@bheltry.co.in, dcm@bheltry.co.in>			

NOTE

- a) Your specific acceptance to our Payment terms, LD, Risk Purchase Clause & Submission of PBG for 10% of the order value 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:-

I/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.

Name:

Signature with date:

(AFFIX OFFICIAL SEAL HERE)

Designation:

(PLEASE AFFIX YOUR SIGNATURE WITH SEAL ON EACH PAGE)

PART - II

MODEL PRICE BID FORMAT FOR INDIAN BIDDERS

Enquiry No. & Date:

Bidder's Offer No. & Date:

Sl No	Description of item	Unit (SET /No)	QTY	Rate /Qty in Rs. (excluding of all taxes)	VAT/CST in % (TNGST with FORM-17 or CST with C-FORM)	ED in %	Service Tax in %	Total Value in Rs. (inclusive of all taxes)
	Supply portion							
	Service portion- if exclusive from basic price (available in scope only)							
	Packing & Forwarding charges (if any) in percentage (or) Lumpsum							
	FOR Dispatching station value in Rs.							
	Percentage of Freight & transit insurance charges, if any (Lumpsum or %) Freight & Insurance charges from Dispatching station to BHEL, Tiruchirappalli (Note:If the delivery terms is Ex Works the materials has to be sent through BHEL approved carrier only, in this case the freight & Insurane will be borne by BHEL)							
	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"