

BHARAT HEAVY ELECTRICALS LIMITED

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(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
2691500039 - 41	12.05.2015	05.06.2015
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
10	Inverter Based SMAW Power Source Detail Technical Specifications and Pre Qualification Criteria are given in the annexures	NO	1.000	1.00	08.07.15

General Note:

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.

4) 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"

7) Request for extension of tender opening will not be considered if the requisition reach us less than 48 hours of tender 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**

D. CHANDRAMOHAN
Senior Manager / MM / RM
Purchase / CP & SF

MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,

BHEL, THIRUCHIRAPALLI



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8) Annexure-iii TERMS AND CONDITIONS enclosed herewith must be filled, signed and submitted along with your offer.

9) This tender is hosted in BHEL website vide nit ref. _____ dt. _____ and any corrigendum may please be viewed in the BHELwebsite ([http:// www.bhel.com](http://www.bhel.com))

10) Enclosure: annexure - iii & QUALIFYING CRITERIA FOR THE SUPPLY OF INVERTER CONTROLLED AC/DC TIG WELDING POWER SOURCES - 350 Amps.

11) MSME vendor guide lines will be followed 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.

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

D. CHANDRAMOHAN
Senior Manager / MM / RM
Purchase / CP & SP
BHEL, TIRUCHIRAPALLI
MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,

PART A

QUALIFYING CRITERIA FOR THE SUPPLY OF INVERTER CONTROLLED
AC/DC TIG WELDING POWER SOURCES - 350 Amps.
[60% 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 AC/DC TIG welding machines for Radiographic Quality Welding Applications for Pressure Parts Fabrication - Vendor to Specify | | |
| 2.0 | YEAR of LAUNCH of the MODEL quoted against this ENQUIRY - Vendor to Specify | | |
| 3.0 | Number of 'Inverter Controlled AC/DC TIG welding machines for supplied, till date in the QUOTED MODEL - Vendor to Specify | | |
| 4.0 | Number of 'Inverter Controlled AC/DC TIG welding machines for- 350 Amps. Rating with 60 % Duty Cycle' supplied and commissioned till date for the following category of CUSTOMERS- Vendor to Specify | | |
| | a) High Pressure Boiler Industries | | |
| | b) Ship Building Applications | | |
| | c) Heat Exchangers / Pressure Vessels | | |
| 5.0 | Details on International Standards followed in Design and Testing of Welding Machines-- Vendor to Specify | | |
| 6.0 | Comprehensive Details, on Performance Testing of Welding Machines carried out at the Factory, to be furnished with the Technical Offer.-- Vendor to Specify | | |
| 7.0 | Details on SERVICE-AFTER-SALES Set-Up in India including the Addresses of Agents / Service Centres in India, to be furnished compulsorily.-- Vendor to Specify | | |
| 8.0 | BIDDER to indicate the Country of Origin for the supply of welding machines. Machines manufactured in Countries like TAIWAN/CHINA/KOREA are not preferred.-- Vendor to Specify | | |

SECTION - II

The BIDDER has to compulsorily meet the following requirements to get qualified for submitting an offer for the 'Inverter Controlled AC/DC TIG welding machine.



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S. No. REQUIREMENTS VENDOR's COMMENTS

9.0 The BIDDER shall have a minimum of TEN Years of Continuous Experience in the Design, Manufacture & Supply of 'Inverter Controlled AC/DC TIG welding machines.-- Vendor to Specify

10.0 The BIDDER should have supplied a minimum of 50 number of 'Inverter Controlled AC/DC TIG WELDING MACHINES with rating 350 Amps. (@ 60 % Duty Cycle) and above to Customers in India. Indicate the number of such welding machines sold in India.-- Vendor to Specify

11.0 Reference List of Customers and Performance Certificate from minimum THREE CUSTOMERS [Heavy Engineering Companies] with full contact details of CONTACT PERSON, who are the End Users of the MODEL (given under Clause No.10.0) of 'Inverter Controlled AC/DC TIG Welding Machines.-- Vendor to Specify

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.- Vendor to Specify


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.-- Vendor to Specify

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.-- Vendor to Specify

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 Powersources.- Vendor to Specify- Vendor to Specify- Vendor to Specify

16.0 The Commercial Offer (given with the Technical Offer) shall contain the Scope of Supply and the Un-Priced Part of the Price-Bid, for confirmation for the scope of supply.


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17.0 Earlier performance & field experience (service support) with BHEL (if any) will be a reckoning factor for the technical qualification of the OFFER.- Vendor to Specify

18.0 The expected delivery period (including the time for Pre-Dispatch Inspection clearance by BHEL) for the welding machines is not more than six months from the date of issue of BHEL Purchase Order. In case the quoted delivery period extends beyond six months, an additional grace period of two months is permitted, but with a loading for arriving at the PRICE COMPETITIVENESS of the Offer (if the OFFER is technically acceptable on all accounts). Details are given in the commercial terms of the this tender.- Vendor to Specify

PART B

TECHNICAL SPECIFICATIONS FOR INVERTER CONTROLLED AC/DC TIG WELDING POWERSOURCES [350 AMPS.]

1.0.0. APPLICATION :

S1.No. FEATURES /BHEL SPECIFICATION OFFER BY BIDDER DEVIATIONS

1.1.0 The proposed Welding Machine is intended for use with Manual AC/DC GTAW and SMAW process for Radiographic Quality Welds like Butt Joints (coming in plates and pipes), Fillet Welds, and Single Groove Welds using ? 1.6 mm to ? 5.0 mm filler rods and coated stick electrodes.- Vendor to Specify

2.0.0. MACHINE CONFIGURATION : [The scope of supply shall consist of the following, for each Machine]

S1.No. FEATURES /BHEL SPECIFICATION OFFER BY BIDDER DEVIATIONS

2.1.0 Welding Powersource with Transport Trolley with integrated Argon Gas Cylinder Cart- Vendor to Specify

2.2.0 Manual Arc Welding Control Unit Integrated with Powersource

(for Hot Start & Arc Dynamics Control) - Vendor to Specify

2.3.0 Powersource also suitable for TIG / GTAW Welding with Scratch Start - Vendor to Specify

2.4.0 Hand Operated Remote Control Unit for Current Variation - Vendor to Specify

2.5.0 Foot Operated Remote Control Unit for Current Variation (with accelerator type operation) - Vendor to Specify

2.6.0 Set of Inter-Connecting Cables, Adaptors , etc. (if required) - Vendor to Specify

2.7.0 Welding Cable and Welding Holder (multiples of 5 mtrs. in length) - Vendor to Specify

2.8.0 Return Current Cable with Screw/Crocodile Grip Type Earth Clamp.- Vendor to Specify

2.9.0 Gas Cooled TIG Welding Torch - Vendor to Specify



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- 2.10.0 Electrical & Mechanical Spares for Powersource & Control Unit - Vendor to Specify
- 2.11.0 Operation & Maintenance Manuals - Three Copies per Machine - Vendor to Specify
- 2.12.0 Commissioning of Equipment and Performance Prove-out of the offered equipment at BHEL Works, by Supplier's Representative, free of cost.- Vendor to Specify

3.0.0. EQUIPMENT SPECIFICATION : POWERSOURCE FEATURES
S.No. FEATURES BHEL SPECIFICATION OFFER BY BIDDER DEVIATIONS

3.1.0 Type Powersource shall be Inverter Controlled with IGBT having AC/DC option and capable of delivering a smooth Constant Current (suitable for AC, DCEP and DCEN modes of welding operations) even with a fluctuation of $\pm 10\%$ in the Input Voltage - Vendor to Specify

3.2.0 Switching Frequency BIDDER has to indicate the Switching Frequency of the Inverter Circuit and the make of IGBT used - Vendor to Specify

3.3.0 Current Rating 350 Amps. @ 100 % Duty Cycle - Vendor to Specify

3.4.0 Operating Range for Welding Current 20 Amps. to 350 Amps. (with stepless variation) - Vendor to Specify

3.5.0 Open Circuit Voltage BIDDER to mention the Open Circuit Voltage for the offered Powersource [Preferred OCV is above 65 V] - Vendor to Specify

3.6.0 Current Setting The variation in the set value of the welding current to the actual value, shall not exceed 1 %. - Vendor to Specify

3.7.0 Current Control Preferred through a local variator [with the help of a 3 inch diameter KNOB] provided in the Front Panel of Power source and the Remote Control Unit.- Vendor to Specify

3.8.0 Power Input $415 \pm 10\%$ V AC, 3 Phase, $50 \pm 2\%$ Hz, through a 3 Wire System [4th wire for EARTHING] - No Neutral Conductor - Vendor to Specify

3.9.0 Input Power Cable A 10 metre long electric input power cable with protective sheathing to be provided with the powersource.- Vendor to Specify

3.10.0 Control Panel Switches Power ON/OFF, Remote ON/OFF, Voltage & Ampere Control, Hot Start Control, Arc Dynamics Control, GTAW/SMAW Mode Selection, etc.- Vendor to Specify

3.11.0 Voltmeter & Ammeter Factory Installed Ammeter & Voltmeter on the

front panel with easy removal and replacement

(i.e., without lifting the top cover of the Welding Powersource) for periodic instrument calibration - Vendor to Specify


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CC. EQUIPMENT SPECIFICATION : POWERSOURCE FEATURES

[..contd....]

Sl.No. FEATURES BHEL SPECIFICATION OFFER BY BIDDER
DEVIATIONS

3.12.0 Arc Dynamics Control - Electronic Inductance Variable Control To minimise spatter and optimise weld-bead wetting action, during welding of materials, special materials like Aluminium and Titanium alloys.- Vendor to Specify

3.13.0 Insulation Class "H" - to suit Tropical Working Conditions - Vendor to Specify

3.14.0 Machine Protection IP 23 - Degree of Protection - Vendor to Specify

3.15.0 Machine Cooling The Powersource shall feature forced air cooling system that ensures adequate cooling of the components while preventing dust and metal particles from being drawn in.- Vendor to Specify

3.16.0 Functional / Elemental Design Protection - Vendor to Specify

a) Inbuilt protection for the IGBT/Powersource against Thermal / Overload / Short-Circuit / Single or Two Phase Power Input 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 [BIDDER has to specifically furnish technical details on how these protective measures are addressed in the Machine Design]

3.17.0 EMI Suppression a) Powersource shall be suitably equipped, to prevent propagation of EMI either into or out of the Powersource.- Vendor to Specify

b) All metal enclosures and internal shields shall prevent radiated EMI.

c) BIDDER has to elaborate the DESIGN FEATURES to meet the above requirements.

3.18.0 Portability Under-Carriage with hard rubber lined wheels for portability of the powersource by manual pushing and bottle rack for holding one Argon Gas Cylinder- Vendor to Specify


3.19.0 Ambient Conditions Temperature upto + 50 ° C; Humidity upto 90 % but both upper limits do not occur simultaneously.- Vendor to Specify

CC. EQUIPMENT SPECIFICATION : POWERSOURCE FEATURES

[..contd....]

Sl.No. FEATURES BHEL SPECIFICATION OFFER BY BIDDER
DEVIATIONS

3.20.0 Load Compensation Output variation due to line voltage fluctuation, cable heating or drift due to the use of long cable, [20 metres long welding cable] to be eliminated.- Vendor to Specify


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3.21.0 Arc Strike Selection for Instantaneous Arc Strike with HOT START for SMAW Process.- Vendor to Specify

3.22.0 Electrode Holder & Return Current Connection Heavy Duty rugged LUG type terminals to connect 50 mm² Welding Cable for SMAW Electrode Holder and Return Current Cable for SMAW Process

3.23.0 Return Current Cable Welding Current RETURN Cable, 10 mtrs. in length, with one end connected to the Powersource and the other end provided with a Screw Type Earth Clamp - Vendor to Specify

3.24.0 TIG Arc Ignition By means of HF and scratch start - Vendor to Specify

3.25.0 Torch Connection Facility to connect Gas Cooled TIG Torch through suitable adopters to prevent leakage of Gas for GTAW - Vendor to Specify

3.26.0 Power Rating BIDDER to indicate the Maximum Power Rating

[in kVA] of the Powersource and the NO-LOAD Power Consumption in Watts.- Vendor to Specify

3.27.0 Power Source Model To Specify the Model of Powersource Offered - Vendor to Specify

4.0.0. EQUIPMENT SPECIFICATION : REMOTE CONTROL UNIT FEATURES

S1.No. FEATURES BHEL SPECIFICATION OFFER BY BIDDER DEVIATIONS

4.1.0 Application For welding current variation from a distant work place, in addition to that provided in the front panel of the welding powersource.- Vendor to Specify

4.2.0 Type Hand Operated (for SMAW) and Foot Operated (for GTAW) with 10 mtrs. long control cable with quick-fix type end connectors- Vendor to Specify- Vendor to Specify


4.3.0 Current Control Stepless Variation of Welding Current - Vendor to Specify

5.0.0. EQUIPMENT SPECIFICATION : TIG WELDING TORCHES# FEATURES

S.No. FEATURES BHEL SPECIFICATION OFFER BY BIDDER DEVIATIONS

5.1.0 Application Suitable for GTAW Process and for the nature of welding works listed under Clause S1. No. 1.0.0 and compatible to the welding powersource offered.- Vendor to Specify

5.2.0 Make Any reputed international make. Preferred makes are WELD-CRAFT of USA, KEMPPI of FINLAND or OTC/DAIHEN CORPN. of JAPAN - Vendor to Specify


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5.3.0 Torch Configuration The Torch Head - Gas Lens & Nozzle configuration shall be suitable for performing the following :
- Vendor to Specify

- a. Tube Butt Welds in close pitch tubular panels with a minimum clear gap of 12 mm between the adjacent tubes [Gas Nozzle End Diameter is to be 11 mm for a length of 25 mm]
- b. Root GTAW pass welding in a 140 mm (wall thickness) Pipe Butt Welds [Gas Nozzle End diameter is to be 11 mm for a length of 45/65 mm]

5.4.0 Cable Sheathing Protective Sheathing to be provided for the TIG Torch Cables & Hoses, to withstand shop floor rough use for the entire length of the cables/hoses.

5.0.0. EQUIPMENT SPECIFICATION : TIG WELDING TORCHES' FEATURES [,.contd...]

S.No. FEATURES BHEL SPECIFICATION OFFER BY BIDDER DEVIATIONS

5.5.0 Gas Cooled Torch - Vendor to Specify a. Current Rating :-

Minimum 140 to 180 Amps. @ 100 % Duty Cycle

b. Cable Length :-

Not less than 7.5 Metres

6.0.0. O & M MANUALS :

S.No. PARTICULARS BHEL SPECIFICATION OFFER BY BIDDER DEVIATIONS

6.1.0 No. of Copies- Vendor to Specify- Vendor to Specify 3 (Three) for Each Machine- Vendor to Specify

6.2.0 Language English - Vendor to Specify

6.3.0 Soft Copy One SOFT COPY in DC-ROM is to be given for each machine, containing the details mentioned under Clause

Sl. No. 6.4.0 - Vendor to Specify

6.4.0 Manual Details : - Vendor to Specify a. Manual shall contain all instructions for machine installation and welding trial testing, in sequence.

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.

c. Manual to give other details like trouble shooting chart, weld parameters selection for various base metals, etc.

d. Master List of Parts & Spares used in the machine with Make, Model, Rating, etc.


7.0.0. SPARES :

S.No. ITEMS BHEL SPECIFICATION OFFER BY BIDDER DEVIATIONS

7.1.0 Power Source - Vendor to Specify All type of Spare Parts including the following items :

a. IGBT Kit

b. All Types of Fuses


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- c. Control - Transformers
- d. Printed Circuit Boards / PCBs - All Types
- e. Rectifiers, Thermistors, Capacitors,
- f. Switches and Knobs
- g. Cooling Fan Motor
- h. Ammeter & Voltmeter
- i. Potentiometer
- j. Relays & Timers
- k. Receptacles
- l. Control Cable with End Connectors
- n. Filters
- o. Welding & Return Cable Connectors

are to be COMPULSORILY QUOTED (with Unit Rate) for one powersource required for 2 years of operation on THREE shift basis for 365 Days in an year.

7.2.0 TIG TORCH Consumables Complete Set of Consumable Spares for ? 2.4 mm Tungsten Electrode, 'O' Rings, Gas Lens, Nozzle / Diffusers, Ceramic Nozzles (both types), Collet Bodies, etc. are to be OFFERED with unit price.- Vendor to Specify

7.3.0 Remote Control Unit Complete Set of Remote Control Unit and its Spares like Knob, Potentiometer, etc. to be OFFERED - Vendor to Specify

8.0.0. GENERAL POINTS :S.No. PARTICULARS BHEL SPECIFICATION OFFER BY BIDDER DEVIATIONS

8.1.0 Inspection a. The welding machines shall be offered for inspection by BHEL Engineers at supplier's works for performance evaluation prior to despatch.- Vendor to Specify

b. Welding Trials are to be taken on butt joints of carbon & alloy steel tubes [size: ?51.0 mm & 4 mm wall thickness] and subjected to Radiographic Tests, for acceptance.

c. Supplier to arrange for Tubes & Electrodes of ? 2.5/3.15 mm of Class E-7018-1/E-9018-B3 for SMAW and ? 2.4 mm x 1000 mm Filler Wires of Class ER 90 S-G (2.25 % Cr-1% Mo) and ER 80 S-G (½ Mo) for TIG Welding

8.2.0 Commissioning The equipment shall be commissioned, free of cost by the supplier's representative at BHEL Works.- Vendor to Specify

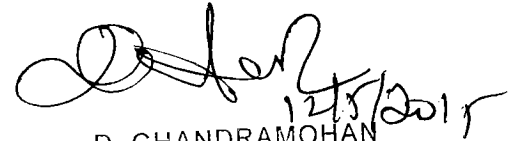
8.3.0 Training The Supplier's SERVICE ENGINEER shall give training in the Operation and Maintenance (mainly on electric/electronic troubleshooting) of the Machine for BHEL Staff, after the successful commissioning of the Welding Machines - Vendor to Specify

8.4.0 Guarantee The machine shall be guaranteed for a minimum of 12 (twelve) months from the date of commissioning & performance prove-out at BHEL/Trichy Works.- Vendor to Specify



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8.5.0 Bought-Out Items - Vendor to Specify a) The Bought-Out Items - like Motors, IGBTs, ICs, Relays, Contactors, Switches, Electronic Elements, etc., used in the Powersource & Control Unit shall be of Internationally Reputed Manufacturers only.
b) BIDDER has to furnish the MAKE of Bought-Out Items proposed to be used in the Welding Machine, with the OFFER.



12/15/2015
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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"