



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT/ MATERIALS MANAGEMENT

ENQUIRY

NOTICE INVITING TENDER

Phone: +91 431 257 7771
Fax : +91 431 252 0719
Email : rpmuthu@bheltry.co.in
Web : www.bhel.com

TWO PART BID

Tender to be submitted in two parts.

Enquiry
Number:

2631100016

Enquiry
Date:

02.08.2011

Due date for submission
of quotation:

01.09.2011

You are requested to quote the Enquiry number, date and due date in all your correspondences. This is only a request for quotation and not an order.

Please note that under any circumstances both **delayed offer** and **late offers** will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14.00 hrs on the Date of tender opening.

Item	Description	Quantity	Delivery (Item required at BHEL on)
10	MANUAL AIR ARC GOUGING POWER SOURCES as per the technical specification, BHEL commercial terms & conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	12 Nos.	30.01.2012

Important points to be taken care during submission of offer

1. Checklist to be duly filled and enclosed along with your offer, failing which the offer will not be considered for evaluation.
2. Subsequent to the hosting of this Enquiry, any corrigendum to the Enquiry that may be hosted in the BHEL Web-site as well as Government Tenders-portal shall be viewed by the vendors regularly to know the details of corrigendum. In case if any vendor without seeing the corrigendum quoted as per original Enquiry and intimate that they have wrongly quoted will not be considered and rejected. However as per the appropriate Policy of BHEL action will be taken on them in this regard.

BHEL's General guidelines / instructions including bank guarantee formats and list of consortium banks, commercial terms check-list can be downloaded from BHEL web site <http://www.bhel.com> or from the Government tender website <http://tenders.gov.in> (public sector units) Bharat Heavy Electricals Limited page) under Enquiry reference “ **2631100016**”.

Tenders should reach us before 14:00 hours on the due date
Tenders will be opened at 14:30 hours on the due date
Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present

Yours faithfully,
For BHARAT HEAVY ELECTRICALS LIMITED

Dy.Manager / MM / Capital Equipment



BHARAT HEAVY ELECTRICALS LIMITED

Page:1/2

ENQUIRY
(INDIGENOUS)

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

PHONE : 2577771
GRAMS : BHARATELEC
FAX NO: 2520719
E-mail :
Web :

429-002/A

OFFICE COPY	Collective No.	Enquiry Date	Due Date For Quotation
	2631100016	02.08.2011	01.09.2011
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	Manual Air Arc Gouging Power Sources (Specification Enclosed) Manual Air Arc Gouging Power Sources	NO	12.000	12.00	30.01.12

General Note:

COMMERCIAL TERMS AND CONDITIONS

Bhel commercial terms & conditions with Price Bid and Bank Guarantee formats along with technical specifications can be downloaded from BHEL web site <http://www.bhel.com> or from the Government tender website <http://tenders.gov.in> (public sector units>Bharat Heavy Electricals limited page) under Enquiry reference "2631100016".

1.,QUOTATIONS

The Bidders shall submit the offer in TWO INNER ENVELOPES as indicated below which shall be sealed in one outer envelope.

Envelope I This sealed envelope should contain all the copies of technical bid together with un-priced commercial bid. This envelope should be clearly marked "Part I - Technical and commercial bid", indicating Enquiry No., Due Date and Address & Reference of the Bidder.

Envelope II This sealed envelope should contain price details. This envelope should be clearly marked "Part II - Price bid", indicating Enquiry No., Due Date and Address & Reference of the Bidder.

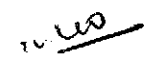
Both the envelopes (Part I & II) shall be put in one cover, duly sealed, superscribing as Part I and Part II of Enquiry No., due date of opening and the address and reference of the Bidder.

The above offer should reach this office on or before the due date by 14.00 Hrs (IST).Late offers will not be considered.

2. POINT TO POINT CONFIRMATION TO BHEL'S SPECIFICATION AND COMMERCIAL TERMS AND CONDITIONS SHOULD BE PROVIDED IN THE ENCLOSED SHEET.

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**


DY. MANAGER / PURCHASE
(FOSSIL BOILERS)



BHARAT HEAVY ELECTRICALS LIMITED

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

Page:2/2

2631100016 / 02.08.2011

10785


3. DETAILED CATALOGUE AND DRAWINGS SHOULD BE SENT ALONG WITH YOUR TECHNICAL OFFER.

Enclosures:

"LD clause has to be confirmed without fail."
"Payment to vendors will be made only thro E-Payment mode."

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


JY - MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,

PART A**QUALIFYING CRITERIA FOR THE SUPPLY OF AIR-ARC
GOUGING POWERSOURCES****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 Heavy Duty 'RECTIFIER / DIODE Based MOTOR-GENERATOR Type MANUAL AIR-ARC GOUGING POWERSOURCE ' in a Heavy Fabrication Shop .	
2.0	Number of Years for which the MODEL of Air-Arc Gouging Machine quoted against this TENDER ENQUIRY, are under manufacture.	
3.0	Comprehensive Details, on Performance Testing of Air-Arc Gouging Machines carried out at the Factory, to be furnished with the Technical Offer.	
4.0	Details on SERVICE-AFTER-SALES Set-Up in Southern Part of India, including the Address of Agents / Service Centres in India, to be furnished compulsorily.	
5.0	BIDDER to indicate the Country of Origin for the supply of welding machines. Machines manufactured in Countries like TAIWAN/CHINA/KOREA are not preferred.	

SECTION – II

The BIDDER has to compulsorily meet the following requirements to get qualified for submitting an offer for the Air Arc Gouging Powersource.

S. No.	REQUIREMENTS	VENDOR's COMMENTS
6.0	The BIDDER shall have a minimum of FIVE Years of Continuous Experience in the Design, Manufacture & Supply of Heavy Duty Air Arc Gouging Machines of Rating around 800 Amps. @ 60% Duty Cycle	

S. No.	REQUIREMENTS	VENDOR's COMMENTS
7.0	The BIDDER should have supplied similar Air-Arc Gouging Machines of higher ratings (800 Amps. and above) to Customers in India. Indicate the number of such welding machines sold in India.	
8.0	Reference List of Customers and Performance Certificate from TWO CUSTOMERS [Heavy Engineering Companies] with full contact details of CONTACT PERSON, who are the End Users of the MODEL (given under Clause No.7.0) Air-Arc Gouging Machines.	

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
9.0	The BIDDER shall submit the offer in TWO PARTS - Technical [with PART A & PART B] & Commercial and Price Bid.	
10.0	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.	
11.0	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.	
12.0	BHEL will have the right to go for trial order for one number, for performance evaluation and acceptance, prior to effecting the supply of full quantity.	
13.0	Earlier performance & field experience (service support) with BHEL (if any) will be a reckoning factor for the technical qualification of the OFFER.	

PART B

TECHNICAL SPECIFICATIONS FOR MANUAL AIR-ARC GOUGING POWERSOURCE

1.0.0 APPLICATION :		
1.1	JOB NATURE	The powersource shall be suitable for Manual Air Arc Gouging Operations using Copper Coated Carbon Electrodes of 6 and 9 mm Diameter. The electrodes will be burnt continuously for more than 24 hours.
2.0.0 POWER SOURCE FEATURES :		
2.1	Type	The powersource can be Rectifier / Diode Based or Motor-Generator Type. [Inverter based design is not preferred from the point of view of application and maintenance cost.]
2.2	Rating	600 Amps @ 100% Duty Cycle or 800 Amps. @ 60 % Duty Cycle.
2.3	Current Range	50 to 800 Amps. with Stepless Variation . (Even minute variation i.e., increments of 20 Amp. in output current shall be achievable by the turn of the potentiometer knob)
2.4	Open Circuit Voltage	Minimum 75 Volts
2.5	Voltmeter & Ammeter	Factory installed Ammeter & Voltmeter on front panel with easy removal and replacement from front-side for meter calibration purposes
2.6	Remote Control Unit	For stepless variation of Welding Current during welding for the current range given under Clause 2.3
2.7	Power Input	415 \pm 10% V AC, 3 Phase, 50 \pm 3% Hz, 3 Wire System with a fourth wire for earthing .
2.8	Transformer Design	The primary and secondary coils of the power transformer shall be of copper windings. All the transformers shall be of 'module' design, so that easily separated from the main frame of the machine, during maintenance.
2.9	Insulation	Class "H"
2.10	Protection	Thermal / Overload / Short-Circuit
2.11	Under-Carriage	With hard rubber lined wheels for portability
2.12	Cooling	The powersource shall be 'force air cooled' with two fans of suitable rating, to withstand the continuous gouging operation in the peak ambient conditions.
2.13	Lifting Hook	Four numbers of lifting hook are to be provided at suitable locations, for lifting the powersource by EOT Crane Hoist.
2.14	Ambient Conditions	Temperature + 50 ° C ; Humidity 85 % (maximum), both not occurring simultaneously.
2.15	Painting	The Powersource outer steel sheet casing shall be painted Post Office Red and the front panel Carbon Black/Mat Finish in colour, by powder coating process.

3.0.0 REMOTE CONTROL UNIT :		
3.1	Application	For Stepless Variation of output current. Remote Control Unit to be provided with 15 mtrs. long control cable and fitted with end connectors.
3.2	Pattern / Type	Hand Operated (Box Type) with 3" dia. knob and with multi-turn potentiometer.
3.3	Operation	The Remote Control unit shall suit to the Current Range mentioned under Clause 2.3
4.0.0 SPARES :		
4.1	Power Source	Spares listed below shall be compulsorily quoted, itemwise (required for two years of operation on THREE shift basis) : a. Diodes / Rectifiers as per the case b. All type of Fuses c. Control-Transformers d. Printed Circuit Boards / PCBs – if used (all types coming in the electrical circuit) e. Variable Resistor f. Switches g. Cooling Fan h. Ammeter & Voltmeter i. Potentiometer j. Knobs, etc. k. Indicator Bulbs
4.2	Remote Control	Complete Set of Remote Control Unit as a spare to be OFFERED
5.0.0 GENERAL POINTS :		
5.1	Inspection	The equipment shall be offered for inspection at the supplier's works for performance evaluation (by conducting gouging trials) prior to despatch.
5.2	Commissioning	The equipment shall be commissioned at BHEL works by the supplier's representative, free of cost.
5.3	Guarantee	The equipment shall be guaranteed for its performance and the service of the components, for a minimum period of twelve months from the date of commissioning.
5.4	Catalogue	The offer shall be accompanied with ORIGINAL product catalogues
5.5	Delivery Period	The equipment shall be offered for BHEL inspection at the supplier's works within 10 weeks from the date of purchase order release.
6.0.0 O & M MANUALS :		
6.1	No. of Copies	3 (Three) Copies in Original for Each Machine.
6.2	O & M Manual Details	Operation & Maintenance Manual (Service Manual) shall compulsorily contain a. general circuit diagrams with Bill Of Material and ratings b. details on PCBs, showing various electronic elements and their specifications and ratings c. trouble shooting chart, etc.

(TO BE STAMPED IN ACCORDANCE WITH STAMP ACT AND THE EXPIRY DATE OF BG MUST BE AFTER 60 DAYS FROM THE DATE OF COMPLETION OF WARRANTY PERIOD)

PERFORMANCE BANK GUARANTEE

In accordance of M/s. Bharat Heavy Electricals Limited (A Government of India undertaking, a company incorporated under the Companies Act 1956 having its Registered Office at "BHEL House", SIRI Fort, New Delhi 110 049) through its High Pressure Boiler Plant Division located at Tiruverumbur, Tiruchirapalli- 620 014 (hereinafter called 'the Company') having entered into a contract withhereinafter called 'the said contractor' which term includes 'suppliers' for the purpose of this Bond and under the terms and conditions of the contract No..... Dt Between BHEL, Trichy and as per the contract, the contractor / supplier is to furnish a performance Bank guarantee for Rs. for the due performance of the equipment to be supplied under the above referred contract and for the fulfillment of all the terms and conditions of the contract, We(indicate the name of the bank) (herein after referred to as the bank) at the request of (Contractor(s)) do hereby undertake to pay the company an amount not exceeding Rs.....against any loss or damage caused to or suffered or would be caused to or suffered by the company by reason of any breach by the said contractor (s) of any of the terms and conditions contained in the said agreement.

2. We(indicate the name of the bank with full address), do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the Company stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Company by reason of breach by the said Contractor(s) of any of the terms and conditions contained in the said Agreement or by the reason of the contractor(s) 'failure to perform' the said agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs._____.

3. We undertake to pay unconditionally to the Company any money so demanded notwithstanding any dispute(s) raised by the Contractor in any suit, or proceedings pending before any Court or Tribunal or Arbitration or before any other authority relating thereto our liability under this present being absolute and unequivocal. The payment under this guarantee would not wait till the disputes have been decided by any Court or Tribunal or in the arbitration proceedings or by any other authority. The payment so made by us under this Bond shall be a valid discharge of liability for payment thereunder and the Contractor(s) shall have no claim against us for making such payment.

4. We.....(indicate the name of Bank), further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the Company under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till _____ Office / Department/ Division of the Company certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.

5. (I) Unless a demand or claim under this guarantee is made on us in writing on or before the _____ we shall be discharged from all the liability under this guarantee thereafter. But where such claim or demand has been preferred by the Company with the Bank before the expiry of the said date, the claim shall be enforceable notwithstanding the fact that the said enforcement is effected after the said date.

(ii) For the purpose of this clause, any letter making demand on the Bank by M/s. BHEL dispatched by Registered Post with Ack.Due or by Telegram or by any Electronic media addressed to the above mentioned address of the Bank shall be deemed to be the claim / demand in writing referred to above irrespective of the fact as to whether and when the said letter reaches the Bank, as also any letter containing the said demand or claim is lodged with the bank personally.

6. We(indicate the name of Bank), further agree with the company that the Company shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor (s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Company against the said Contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by any reason of any such variation or extension being granted to the said Contractor(s) or for any forbearance, act or omission on the part of the company or any indulgence by the company to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating would, but for this provision, have effect of not so relieving us.
7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).
8. It shall not be necessary for the company to proceed against the contractor before proceeding against the guarantor-bank and the guarantee herein contained shall be enforceable against them notwithstanding any security, which the company may have obtained or obtain from the Contractor shall, at the time when proceedings are taken against the guarantor hereunder be outstanding or unrealised.
9. Any claim or dispute arising under the terms of this document shall only be enforced or settled in the Courts at Tiruchirapalli.
10. The guarantor hereby declare that it has power to execute this guarantee and the executant has full powers to do so on its behalf under the proper authorities granted to him/them by the guarantor.
11. We(indicate the name of Bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent of the company in writing.

In witness whereof we....., (indicate the name of Bank) have hereunto setout Bank Seal the _____ day _____ month 200
BANK E-MAIL ID:
BANK PHONE NO.
BANK FAX NO: