

**BHARAT HEAVY ELECTRICALS LIMITED**  
(A Govt. of India Undertaking)  
**ELECTRICAL MACHINE REPAIR PLANT**  
Plot No.D-1, Cross Road 'C', Road No.16, MIDC, Andheri (East),  
**MUMBAI – 400 093**  
[(28358707/28358738) Fax 022-28231161/28364587]  
•E mail :csdeolika**r@bhel-emrp.com / shiwani@ bhel-emrp.com**

**NOTICE INVITING TENDER.**

NIT No: BHEL/EMRP/PUR/Y/210433694

Date: 10.01.2014

M/S.....

**Sub: NIT for Mechanical items**

Sealed tender are invited in two-bid system for supply of following material for **Mechanical Workshop items for Parbati II HEP Project**

a) **TIG Welding Machine (Qty: 2)**

**Suggested Make: CRUXWELD/PRO ARC/UNITECH  
TRANSFORMER/MILLER/ESAB/STERCO/ADOR.**

b) **OXY ACETYLENE WELDING AND CUTTING EQUIPMENT (QTY:4)**

**Suggested Make: ESAB/STERCO/ADOR/KIRLOSKER/FELIS LEO**

**Note: The technical acceptance of the bid will be subjected to the approval of design memorandum.**

**Technical Terms and conditions:**

- Acceptance Norms as per Specification No.EM-NHP-PBTII-MWS-15 Rev.00.
- Please quote in Indian Rupee, offer received in other currency will not be accepted.

**Important Note:**

- The offers of the bidders who are on the banned list, as also the banned list of offers of the bidders, who engage the services of the banned firms , shall be rejected . the list of banned firms available on BHEL site [www.bhel.com](http://www.bhel.com).
- “MSE suppliers can avail the indented benefits only if they submit along with offer, attested copies of either EM II certificate having deemed validity (two years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with CA certificate (Format enclosed as per Annexure – I) applicable for the year, 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. Non submission of such documents will lead to consideration of their bids at par with other bidders and MSE status of such suppliers shall be shifted to Non MSE suppliers till the supplier submits these documents.”

Commercial terms & conditions, General terms & conditions and Procedure for submission of tender are enclosed herewith. Offer should be submitted strictly in accordance with the same.

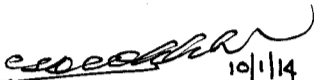
**Tender Enquiry: BHEL/EMRP/PUR/Y/210433694 Dt.10.01.2014**

**Tender Submission date:** 25.01.2014 up to 2.00 pm.

**Tender Opening date:** 25.01.2014 at 2.30 pm. in conference Hall.

Anticipating your reply,

Yours faithfully  
For Bharat Heavy Electricals Ltd.

  
Sr DGM (MM) 10/1/14

Tender Enquiry: BHEL/EMRP/PUR/Y/210433694 Dt.10.01.2014

Bidder's Ref No: \_\_\_\_\_

**NO DEVIATION CERTIFICATE**

We here by accept and agree to all the Techno-Commercial & general terms & conditions given in the tender enquiry No. **BHEL/EMRP/PUR/ Y/210433694 Dt.10.01.2014** without any deviation.

Authorized Signatory,  
With seal of the company

OR

**PROFORMA FOR DEVIATION TO TENDER TERMS SOUGHT BY BIDDERS**

BHEL expects the bidders to fully accept the terms and conditions of the NIT. However, deviations if any considered essential by the bidder may be communicated in the following proforma. Deviation not listed in the following deviation proforma, even if mentioned else where in the offer document shall not be considered.

Sr. No.	Clauses	Accepted	Not Accepted	Deviation
1	Commercial Clause: Price clause 1.1			
3	Validity clause 1.2			
4	Price variation clause 1.3			
5	Delivery required clause 1.4			
6	Delayed Delivery Penalty clause 1.5			
7	Place of dispatch 1.6			
8	Delivery place clause 1.7			
9	Transportation clause 1.8			
10	Packing & Forwarding clause 1.9			
11	Payment terms clause 1.10			
12	Taxes & duties clause 1.11			
13	Transit Insurance & Octroi clause 1.12			
14	Inspection clause 1.13			
15	Interpretation of Contract 1.14			
16	Evaluation criteria clause 1.15			
17	General terms & conditions clause 3.1 to 3.5			

We confirm acceptance of all other terms and conditions of NIT

Signature of the bidder  
Seal of the company

Note: It may be noted that offers with deviation & cost implications columns not filled are liable to be rejected

## **Annexure II**

### **Pre-Qualification Criteria**

Tender Enquiry No. BHEL/EMRP/PUR/ Y / 210433694 Dt. 10.01.2014  
Bidder's Ref No: \_\_\_\_\_

- 1. Vendor should be in the field for supply & Erection & commissioning for minimum three years.**
- 2. Vendor should have successfully supplied the above mentioned items in a minimum of four different customers.**
- 3. Vendor should have the turnover of 30 lakhs for last five years.**

**Note: Necessary supporting documents should be submitted in technical bid**

Authorized Signatory, with  
Seal of company

Tender Enquiry No. BHEL/EMRP/PUR/ Y/210433694 Dt.10.01.2014

Bidder's Ref No: \_\_\_\_\_

**Proforma for Price Bid Part "B"**

Description	Qty. (Nos.)	Unit Rate per no as per total cost to BHEL as per break up below in Rs.	Total Price
<b>TIG Welding Machine</b> Make: _____ Model _____	2		
<b>OXY ACETYLENE WELDING AND CUTTING EQUIPMENT</b> Make: _____ Model _____	4		

**Break-up of above total unit rate**

Sr. No.	Description	TIG Welding Machine	OXY ACETYLENE WELDING AND CUTTING EQUIPMENT
1	Basic rate per unit.		
2	P&F		
3	Excise duty if any(Specify rate)		
4	CST / VAT if any(Specify rate)		
5	Transportation cost		
6	octroi		
7	Any other (Specify)		
8	Total (1+2+3+4+5+6+7)		

**Note:**

- Vendors should clearly indicate the rates of taxes and duties applicable as per above Proforma.
- Final evaluation shall be carried out after considering CENVAT / VAT credit available to BHEL.
- Vendor to confirm relevant documents will be provided to BHEL for availing CENVAT / VAT credit.

Authorized Signatory,  
with Seal of company

1. **COMMERCIAL TERMS AND CONDITIONS**

**1.1 Price:** Price should be quoted strictly as per proforma for price bid on FOR destination basis Inclusive of transportation, or any other transit expenditure. For bid evaluation, price will be calculated on the basis of landed cost to BHEL as per the price proforma.

**Documents Required: Vendor has to submit following documents with Technical Bid :**

- a) Product catalogue with complete specification, Make and Model No., physical dimension of the product etc.
- b) Guarantee Certificate valid for 24 months from the date of supply or 18 months from the date of commissioning whichever is earlier.
- c) OEM certificate if any.
- d) Completely filled in Annexure – II of NIT in a Price Bid envelope

1.2 **Validity of offer:** - 90 days from the date of Technical Bid opening / extended date.

1.3 **Price variation clause:** Price offered should remain firm till the supply of material (full quantity)

1.4 **Delivery Period:** Within **10 weeks** from the date of PO/LOI. Early delivery will be preferred.

1.4 .1 **Delivery Schedule: 10 weeks.** The material is required to complete the project in stipulated time .Vendors are requested to accept the delivery schedule stated above. In case BHEL do not get sufficient response accepting our delivery schedule, then the offers with deferred delivery schedule will be accepted up to **14 weeks**. In such cases, loading @0.50% of basic price per week will be done to arrive at the landed cost to BHEL.

1.5 **Delayed Delivery Penalty:** LD shall be 0.5 % of the order value per week of delay or part thereof subject to a maximum of 10% of the full order value. In case of any change to the order value, the LD shall be 0.5% of the revised order value per week of delay or part thereof subject to a maximum of 10% of revised order value. In case of staggered delivery schedule, LD shall be 0.5 % per week of delay or part thereof subject to a maximum of 10% of the undelivered portion. LD will be calculated on basic cost.

1.6 **Place of dispatch:** - The vendor has to clearly specify the place from where material will be dispatched.

1.7 **Delivery Place:** Free delivery at our site

<b>BHEL Site Address</b> <b>Asst. Manager (BHEL Store)</b> <b>NHPC Parbati II HEP</b> <b>VPO.- Sainj</b> <b>Dist.-Kullu (HP)-175134.</b>
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1.8 **Transportation:** Shall be arranged by Vendor. (Vendor scope). The charges if any may be given in the price bid.

Enclosure for NIT (page no 02 of 04)

- 1.9 **Packing & Forwarding:** Price should normally be quoted inclusive of all Packing & Forwarding charges. The charges if any may be given in the price bid. The material should be packed in wooden casing duly secured to avoid any transit damage. The Packing Box shall have following Markings:
- a) BHEL PO No. and Date
  - b) Project Name : 4 x 200 MW Parbati II HEP
  - c) Packing List
  - d) Item Description & Quantity.

**Payment Terms:**

- Payment of 100% of Order Value will be made within 90 days of submission of bills along with proof of receipt & acceptance of material at our site. (BHEL,EMRP) **(45 days for MSE vendors)**

- Payment will be made through e-payment only. Vendor should furnish bank details if not submitted earlier.

- Any deviation in payment terms Quoted by vendors is not accepted.

1.11 **Taxes & Duties:** Bidders to clearly specify the taxes and duties applicable on the date of submission of offer. However, any statutory variation in the rates and taxes and duties after the date of submission shall be considered and actual rates applicable at the time of dispatch of material shall be payable at actual against documentary evidence.

1.11.1 **Excise Duty:** Vendor may please mention applicability of excise duty. Excise duty is exempted for this project being a MEGA Project. Project Authority Certificate (PAC) will be given to the vendor in the event of order. Vendor to mention acceptance / non acceptance to this clause. In case of non-acceptance, ED will be considered for evaluation of bid.

1.11.2 **Sales Tax:** Extra at actual against Form 'C' shall be paid wherever applicable. This being a 6(2) sale, vendor will have to submit E1/E2 form.

1.12 **Transit Insurance :** By Vendor

1.13 **Entry Tax / Octroi charges:** BY BHEL customer

1.14 **Inspection:** BHEL shall inspect the material or site waiver.

1.15 **Interpretation of Contract:** In case of two or more than two interpretations or differences in any of the technical specifications or terms and conditions of the contract then the interpretation which is in favour of BHEL shall be final & binding

1.16 **Evaluation Criteria:** Price evaluation shall be done on the basis of landed cost of each item combined with accessories to BHEL. The order will be issue item wise.


## 2 **PROCEDURE FOR SUBMISSION OF TENDER**


2.1 Bidder shall submit the offer in two bid system in two different sealed covers

- 2.2 Part 'A': Techno-Commercial Bid
- 2.3 Part 'B': Price Bid
- 2.4 **Tender No., date and due date of opening should be written on both the covers.**
- 2.5 These two covers shall then be placed in a large cover and sealed. The Large cover should also have Tender no., Date and Due Date. This should be dropped in the tender box placed at the entrance of our works before due date and time.
- 2.6 **Part 'A' - Techno Commercial Bid:** Techno Commercial Bid shall contain technical and commercial offer as per NIT Proforma, indicating acceptance of NIT terms, as per Annexure-I. Acceptance of all technical and commercial terms and conditions given in the format **Annexure I.** (No Deviation certificate and deviation Proforma), duly filled in signed as required. Blank Price Bid Proforma indicating only the rates of taxes and duties applicable, **without rate / price for material**, should be enclosed with the techno-commercial bid Part A.
- 2.7 Any deviation in the above mentioned terms and conditions or conditional offer may render the offer invalid and shall be liable to be rejected, and price bid of such bidders shall not be opened. Price bid of only those bidders shall be opened whose Techno-Commercial offer is found suitable and acceptable. Date of opening of price bid shall be communicated to only those bidders whose Techno-Commercial bid will be accepted.
- 2.8 **Part 'B':** Price Bid Part B should contain only the price duly filled in Price Bid Performa Annexure II, **without any terms and conditions.** Any terms and conditions, if mentioned in the price bid, shall be ignored and not considered.

### **3 GENERAL TERMS AND CONDITIONS**


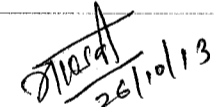
- 3.1 BHEL reserves the right to reject the offer and or award the work in full or part without assigning any reason.
- 3.2 Tender should be free from over writing and erasers, additions if any must be attested.
- 3.3 Purchase Order will be subject to general conditions of purchase prevailing in Bharat Heavy Electricals Limited.
- 3.4 Any dispute arising out of this shall be referred to the sole arbitration of Unit Head, BHEL, EMRP, Mumbai OR any other officer nominated by him and his award shall be final and binding on the parties. The venue of the arbitration in all cases shall be Mumbai.
- 3.5 All suits in respect of this NIT shall be in the courts of Mumbai.

  
SR DGM-(MM) 10/11/14


 <b>BHEL-EMRP</b> <b>MUMBAI</b>	<b>TECHNICAL SPECIFICATION FOR MECHANICAL WORKSHOP ITEMS</b>	<b>SPECIFICATION NO. EM-NHPC-PBTII-MWS-15</b>	
		<b>Rev. No</b>	<b>00</b>
	<b>PARBATI-II – HEP</b>	<b>Rev. Date</b>	

### SECTION 1 – SCOPE OF ENQUIRY

1. This Specification covers the design, manufacture, inspection and testing at vendors work, proper packing and delivery as per NIT for MECHANICAL WORKSHOP EQUIPMENTS of :  
4 X 200 MW PARBATI-II HEP
2. It is not intent to specify herein all the details of design and manufacture. However the equipment shall conform in all respect to high standards of design engineering and workmanship and shall be capable of performing in continuous commercial operation up to vendors guarantee.
3. The general terms and conditions, instructions to tender and other attachment referred to elsewhere be hereby made part of the tender specification.
4. The tenderer shall be responsible for and governed by all requirements stipulated herein after.
5. **Deviation**, if any should be brought out very clearly on deviation sheet (ANNEXURE-III) of the specification. Otherwise it would be presumed that the tender offer is in line with what has been stated/asked for in this specification.
6. The offer should be complete with technical data, catalogue, brochures and drawings, as applicable.
7. The bid shall be in English language and MKS system of unit.

 Sumit Kumar Gupta Engineer	 Mandvi Gupta Dy. Manager
PREPARED BY	CHECKED & APPROVED BY

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## SECTION 2 – General Conditions

### 1. SCOPE OF SUPPLY

The scope of supply indicating technical specification & Bill of quantity shall be as per Annexure –I (Details of Equipment's) along with all essential accessories required for the successful operation of the equipment's.

### 2. CODES AND STANDARDS

All relevant National and International standards shall be specified and followed.


### 3. DESIGN CRITERIA

- 3.a. Mechanical Workshop Equipment shall be used for testing various electrical equipment/ devices during Commissioning, Operation and Maintenance of plant.
- 3.b. The equipment will be kept in a clean but hot, humid and tropical atmosphere when not in use. Equipment will be placed in dust laden, hot, humid atmosphere during its use.
- 3.c. For continuous operation at specified rating, temperature rise of various equipment/ components shall be limited to the permissible value stipulated in the relevant standards and this specification.
- 3.d. The equipment and component thereof shall be capable of withstanding the mechanical forces and thermal stresses of the short circuit current without any damage and deterioration of material.

### 4. SPECIFIC REQUIREMENTS & RATINGS

- 4.a. The bidder may note that the equipment ranges, ratings, quantities as detailed herein, are the minimum requirement only. The equipment shall be furnished in strict accordance with the same. All accessories for the equipment not covered here, but are necessary for satisfactory and trouble free operation of the equipment, shall be supplied by the Bidder. Bidder may also quote for optional accessories.

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4.b. The instrument shall be designed suitably for satisfactory operation and storage in wide range of temperature variations prevailing at projects sites:

PARBATI-II: (-) 4°C to 46°C.

4.c. The portable instruments shall be suitable for hand held operation, rugged in construction and suitable for field use.

4.d. Power supply for AC operation Instrument shall be 240 V AC, 50 Hz single phase.

4.e. All mechanical instruments shall be dust and moisture proof.

4.f. Calibration tests shall be done on all instruments, wherever applicable and calibration certificates are to be furnished with instruments.

4.g. Equipments shall be of shock proof.

4.h. Instruments shall meet National or International relevant safety standards.

4.i. Manufacturers name plate:


The following data shall be shown in accordance with the relevant standard

- Manufacturers name and address
- Works serial number and date of manufacture
- Main technical data

4.j. Warning Plates:

Warning plates / caution for the safety of instrument & human beings with Dos and Don'ts to be inscribed on the instruments / Recorders / all electrical equipment in English.

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## 5.0 TESTING & INSPECTION

- 5.a The manufacturer shall carry out all acceptance and routine tests as per relevant standards and specification in line with BHEL specifications . Charges for all these routine and acceptance tests for all the equipments shall deem to be included in the bid price.
- 5.b Equipment shall be completely assembled, wired, adjusted and tested in factory as per the latest edition of relevant standards.
- 5.c The Bidder shall submit the Test Certificates/Reports for all the acceptance and routine tests as per relevant standards, specifications and in line BHEL approval. Based on approved Test Certificates/ Reports, the BHEL will give the dispatch Clearance. Only after Clearance vendor can dispatch the material.
- 5.d Bidder shall also submit the Test Certificates for all the acceptance and routine tests as per relevant standards, specifications along with the equipment as per TABLE-2, Annexure - II.

## 6. Documentation

- 6.a To be submitted with bid:

The Bidder shall submit all documents as per TABLE-1, Annexure - II along with the bid.


The Bidder shall ensure that the all-necessary information required to fully describe the equipment are submitted with the bid.

- 6.b To be submitted after award of order:

The Bidder shall submit all documents as per TABLE-2, Annexure - II.

After award of contract for BHEL and/ or end customer approval (NHPC) and also along with equipment.

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**7. DELIVERY**

The delivery of Equipment shall be completed as per NIT (Notice Inviting Tender)

**8.** While quoting Bidder shall have to furnish unit rate for each item. Purchaser reserves the rights to add/delete quantity of any item during detailed engineering as finally required for the project. Unit rate quoted shall be applicable for price adjustment in such cases.

**9.** All the equipment shall be procured from reputed manufacturers and make of equipment shall be subjected to the approval of BHEL/ BHEL's Customer.

**10. Performance Guarantee**

The bidder shall guarantee that the equipment offered shall meet the requirement as stipulated in this specification and as confirmed by them in annexure – I, (Duly filled in). In case the performance of equipment is not as per performance guarantee, the bidder will have to replace the equipment at site free of cost.


**11. Deviation**

The Bidder shall indicate the deviation, if any, in Schedule of Technical Deviation as per Annexure – III, along with the justification for the deviation. Deviations mentioned anywhere else shall not be entertained.

**12. Package & Consignment Data**

The Bidder shall suitably pack all equipment, their accessories and spares in road -worthy package to avoid in- transit damage . Bidder to indicate the number of packages of consignment together with the size (L x W x H) and weight for transporting the equipment along with their bid.

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Each package shall be legibly marked with the following information:

**Applicable for PARBATI-II Project:**

MECHANICAL WORKSHOP EQUIPEMENTS for 3 X 110 MW

**PARBATI- II HEP**

BHEL Purchase Order No:

Job No: 3864-12

Supplier's Name:

Manufacturer's Name:


Name of the Equipment:

Item Code of the equipment: (As per ANNEXURE – I)

Quantity:

Weight:

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## Annexure – I

### Details of Equipments


**Bidder must quote the material code number, material description & quantity offered in their quotation /bid, as specified below project wise. Bidder's alternate description can also be given in separate column.**

#### Completeness of Equipment

Each of the equipment listed shall be complete with applicable accessories like power supply main leads, screened guard leads, screened line test leads, earth leads, connectors and clips, leather carrying case and any other accessories required for completing the equipment.

Sl.No	Item specification	Qty	Item Code	Details of Equipment offered by the Bidder	
				Make & Model No	Catalogue
1	<b>TIG Welding Machine</b> 400 V± 10 %, 2 Phase AC, 50HZ Current Full load: 20 Amps Current (60% duty): 400 Amps Voltage: 78 V	2 Nos		<b>CRUX WELD /PRO ARC / UNITECH TRANSFORMER /MILLER/ ESAB/ STERCO /ADOR</b>	
2	<b>Oxy acetelene welding and cutting equipment</b> Welding blow pipe with 2 sets of 5 welding type of different sizes. One cutting attachment with 2 sets of 4 cutting of different sizes. 15 m of oxygen hose and acetelene hose 1 set of hose ferrules 2 pairs of goggles 2 wheel borrow, for carrying standard size of oxygen and acetelene cylinder (cylinder not included)	4 Nos		<b>ADOR / ESAB/ STERCO/ KIRLOSKER/FELIS LEO</b>	

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**Annexure -II**

**Table 1**

**LIST OF DOCUMENTS TO BE SUBMITTED ALONG WITH BID**

<b>Sl.No</b>	<b>Documents</b>	<b>No of copies</b>
<b>1</b>	Annexure – I Details of Equipments (Duly Filled)	2 copies
<b>2</b>	Product Catalogue for all equipments/ instruments referred in Annexure – I	2 copies
<b>3</b>	Schedule of Deviation (Annexure – III)	2 copies


**NOTE:** All above documents to be submitted strictly, failing which the offer may likely be rejected.

**Table 2**

**LIST OF DOCUMENTS TO BE SUBMITTED AFTER AWARD OF ORDER FOR BHEL / END CUSTOMER APPROVAL and ALONG WITH EQUIPMENT**

<b>Sl.No</b>	<b>Documents</b>	<b>No of copies</b>
<b>1</b>	Product catalog with complete specifications, model nos. physical dimensions etc.	3 copies (2 for NHPC + 1 for BHEL)
<b>2</b>	Test Certificates of all acceptance and routine tests as applicable.	3 copies (2 for NHPC + 1 for BHEL)
<b>3</b>	Calibration certificates as applicable.	3 copies (2 for NHPC + 1 for BHEL)
<b>4</b>	Guarantee certificate valid for 12 months from the date of delivery.	2 copies (1 for NHPC + 1 for BHEL)
<b>5</b>	Instruction manual of individual equipment Instruction manual of individual equipment shall clearly indicate in English the installation and connection method. Operating, Maintenance and Calibration methods shall be provided in the manual.	7 copies (6 for NHPC + 1 for BHEL)

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**Annexure - III**

**Deviation Statement (Technical)**

Sr No.	Item	Deviation	Justification for Deviation

**Use extra sheet if required.**

**Note:** Bidder has to indicate clearly the deviations if any w.r.t. specification. Bidder has to indicate all the deviations on this annexure - III only, deviations mentioned elsewhere in Bidder's offer will not be considered.

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