

**BHARAT HEAVY ELECTRICALS LIMITED****Heavy Power Equipment Plant, Ramachandrapuram,****Hyderabad - 502 032. INDIA.****Phones :****Fax Nos :****E-mail :****Date :** _____**Due Date :** _____**Supplier Qtn. No.:** _____**Date :** _____**TENDER DOCUMENTS TO BE FILLED BY THE SUPPLIER FOR SUPPLY OF
INVERTER BASED 500 AMPS MMA WELDING EQUIPMENT**

ADDRESS OF THE SUPPLIER :					
TELEPHONE NOS.:					
FAX NOS.:					
E-MAIL ADDRESS :					
Sl. No.	Description for BHEL Requirement Spec No.S-EMT-142, dt.31.03.2007	Specified/To be confirmed by	Offered	Deviations	Remarks
1.0	PURPOSE Suitable for welding operations using Ø2.5mm to Ø6.3mm size electrodes.	Vendor			
2.0	TECHNICAL PARAMETERS				
2.1	Type: Digital micro process controlled high speed IGBT Inverter based welding equipment	Vendor			
2.2	Welding current range	20 - 500 Amp			
2.3	Duty cycle @60%	450A			
2.4	Open circuit voltage	70 V			
2.5	Max. connecting load	Vendor			
2.6	Dimns (L x W x H)	Vendor			
2.7	Weight	Vendor			
2.8	Protection class	Vendor			

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2.9	Insulation class	Vendor			
2.10	Welding current control	With remote regulator			
2.11	Power factor	Vendor			
2.12	Efficiency	Vendor			
2.13	Standard features	Vendor			
3.0	Power supply details : 415V AC + 10% - 15% volts 50 Hz , 3 Phase	Vendor			
4.0	Spare parts required for 2 years trouble free operation to be quoted with itemwise price breakup.	Vendor			
5.0	Leaflet / catalogue of the machine and reference list of cursomers to whom similar equipments have been supplied to be submitted along with the quotation.	Vendor			
6.0	DOCUMENTATION:- Five sets of operation and maintenance manual to be submitted.	Vendor			
7.0	COMMISSIONING:- The supplier shall commission the machine at BHEL works and prove the performamance.	Vendor			
8.0	GUARANTEE:- 18 months from the date of commissioning.	Vendor			
9.0	QUOTATION:- Quotations should be submitted with point to point answers. One copy of the specification is to be duly filled and submitted to BHEL as the party's offer without which the offer will not be considered	Vendor			
10.0	SPECIAL REMARKS: Suppliers quoting for the equipment shall fulfil the following	Vendor			
10.1	They shall be the original equipment manufactures.	Vendor			

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10.2	They should have supplied at least one number of inverter based welding machine. Vendor to furnish P.O copy/commissioning report in support of supply of such equipment.	Vendor			
10.3	The offered machine should be of proven design.	Vendor			
10.4	Past performance related to unfavourable experiences if any of BHEL with the equipment's supplied by the bidder will have negative connotation.	Vendor			
10.5	BHEL reserves the right to reject any or all the offers without assigning any reason whatsoever thereof.	Vendor			
10.6	Two part bid system shall be followed.	Vendor			