

T.No.65.11.8046

Specification for Invertor based multipoint welding machine-

Parameters	Parameter's value/range etc	Tolerance allowed	Parameter's value/range etc. Offered by tenderer	Remarks by Tenderer/ supporting evidence if required
A. Major parameters				
1. Input voltage	415 V	+/- 5%		
2.Phase	3 Phase	Nil		
3.Frequency	50 HZ	+/- 3%		
4.Open circuit voltage	72 V	+/- 3%		
5.current range	40-400 A	Nil		
6.Welding current at 60% duty cycle	400 A	+/- 5%		
7.welding current at 100% duty cycle	310A	+/- 5%		
8.Power factor	0.93	0.92 – 0.95		
9.Rated input power	18 KVA	+/- 3%		
10.Rated out put voltage	36 V	+/- 3%		
11.No load loss	200 W	+/- 5%		
12. Protection	IP 23	Or similar		
13.Insulation	Class H	Nil		
B.Minor parameters				
1.Efficiency	85%	80-90%		
2.Diameter of rod	3 mm	1.6 – 6.3 mm		
3.Packed dim. (WxLxH) in mm	565x285x795	+/- 5%		
4. weight	32 kgs	+/- 5%		
C.Standarded accessories				
<ul style="list-style-type: none"> • Multi operator rack • Electrode holder • Earth clamp • Welding cable • Earth lead • Fast plug 				
D.Optional accessories				
*Remote control with 10 mtr cable				
E.Warantee	The machine shall be under warrantee/gurantee for 18 months from the date os successful commissioning of the equipment.			
F.Technical literature- The supplier has to supply 02 copies of technical literature/ operating manual.				
G. Training- The supplier shall provide training for operating/maintenance and trouble shooting of problems generally a rises in handling of equipment.				

H. AMC	<p>(a) Tenderer are required to quote for post warrantee AMC for a period of five years after expiry of the warranty period of the M&P along with their offers. The AMC charge would be added to the FOR destination price quoted for M&P for the purpose of comparative evolutions of offer. AMC charges will be include all costs of personnel, spares etc except the cost of consumables required for day-to-day operation.</p> <p>(b) AMC payment should be made on quarterly basis or otherwise decided in Contract. Maximum two weeks will be allowed for attending and rectification of faults during the AMC period. A penalty of 0.5% per week of the contract value will be levied for delay in response time for attending and rectification of faults beyond specified time & maximum penalty to be levied on account of AMC failure will be 5% of contact value calculated during whole AMC period and after that if there is any delay on the part of Contractor, purchaser shall be entitled for encashment of WG bonds.</p>
<p>I. Commissioning of equipment- Commissioning of equipment at consignee place without any obligation.</p>	
<p>J. The transportation will be at the supplier cost during warrantee/gurantee repairs.</p>	
<p>K. The decision of Railway in regard to the cause of failure or nature of ractification to be carried out by the supplier during gurantee period shall be final and binding on the part of contract.</p>	
<p>L. Other conditions- The welding machine should have arc welding 4x1 combination power source with IGBT invertor technology. Ideally suited for continuous use for heavy fabrication.</p>	