

T.No.65.11.8046

Specification for Inverter 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.Warranty	The machine shall be under warranty/guarantee for 18 months from the date of 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.Commissioning of equipment- Commissioning of equipment at consignee place without any obligation.				
I. The transportation will be at the supplier cost during warranty/guarantee repairs.				
J. The decision of Railway in regard to the cause of failure or nature of rectification to be carried out by the supplier during guarantee period shall be final and binding on the part of contract.				
K. Other conditions- The welding machine should have arc welding 4x1 combination power source with IGBT inverter technology. Ideally suited for continuous use for heavy fabrication.				

For Controller of Stores