

Annexure - A

Technical Specification of Proposed DC rectifier type Welding Machine Cap. 600 Amps.

Sl. No.	Specification	Tender Requirement
A) Input		
1	Input supply Voltage	415V \pm 15%, AC, 3 Phase, 50 Hz.
B) OUTPUT		
1	Open Circuit Voltage	100 volts(max)
2	Welding current range	80-600 Amps
3	Duty cycle @ 60% (rated output)	450 Amps(Min)
4	Duty cycle @ 100%	350 Amps(Min)
C) Type of Welding current		
1	Mechanism	DC Rectifier based
3	Regulation	Step less
4	Insulation class	"H"
5	Cooling	Forced Air cooled
6	Size of Electrode that can be used.	2.15 – 6.3 mm.
7	Weight	125 Kgs(min)
9	Connection of Earth & Welding	Lug connector
13	Details of Protection provisions	MCB should be used for ON/OFF of the machine. Over current and over temperature. Over heat indicator. Power on indicator and VRD off-on switch should be fitted in front panel of the machine.
15	Make	ESAB/KEMPPI/POWERCON/L&T/SAGS/MILLER/ADOR Welding Ltd. Or equivalent. However, firm have to mandatorily upload Make & model no. of their machine along with specifications in details during bidding, failing which the offer will be summarily rejected/ignore.
Warranty		24 months from the date of commissioning. (Respond time within 24 hrs.

Signature Not
VerifiedDigitally signed by
JIABUL HAQUE
Date: 2025.11.20
10:30:37 +05:30Reason: IRPS-CRIS
Location: New Delhi