

Technical Specification of Plasma Cutting Machine

Requisition No.:- 63721030

Dated 19.12.2012

Major Parameter	1.0	Purpose & Capability	i) Cutting/ Repairing of Stainless steel wagons. ii) The machine should be capable of cutting SS sheet upto 25 mm and having two step cutting ability. Step - 1 (1mm to 16mm) Step - 2 (16 mm to 25 mm)
Minor Parameter	3.0	Design Features	i) The input primary voltage should be 415 ± 10 %, 3 phase, 50 Hz, AC ii) The machine open circuit voltage should be $310 \text{ V DC} \pm 3\%$ iii) The machine output current range should be 10-45 Amps iv) Duty cycle 100% at full load (100 Amps) v) Protection class - IP 23 vi) Weight - 40 kg (approx) vii) Air Pressure - $5-7 \text{ kg/cm}^2$
Concomitant Accessories	4.0		i) Air Cooled Torch with 6 mtrs of cable ii) Ground cable set with clamp. iii) Hand Gloves (one pair) iv) 5 sets of nozzles & electrodes. v) Goggles (one piece)
Optional Accessories	5.0		As recommended by supplier.
Spares	6.0		i) 50 sets of nozzles & electrodes ii) 2 sets air cooled torch with 6 mtrs of cable iii) 2 sets ground cable set with clamp iv) 2 pair hand gloves v) 2 piece goggles
Warranty	7.0		24 months from date of commissioning.
AMC	8.0		Tenderer to quote separately.
Special Requirement	9.0		Nil



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