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TECHNICAL SPECIFICATION OF AIR PLASMA CUTTING MACHINE  
CAPACITY: 6 MM CLEAN CUT AT 500MM/MIN.

1. Scope of supply:

The specification covers supply, installation and commissioning of air plasma cutting machine, comprising of:

- Plasma Power source
- Cutting nozzle
- Earth cable 20m long
- Air filter along with flow meter and regulator
- 02 Nos. Operating and Maintenance manual

2. Leading parameters:

SN	Item	Details
1	Type of power supply	Inverter – IGBT
2	Input power supply	120-230 V Single phase AC, 50 Hz
3	Input power requirement	Below 4.0 KVA
4	Output current	Approx. 15-30 Amps
5	Cutting capacity (with good cut quality)	Upto 6mm thick mild steel at 500mm/min & 10mm thick mild steel at 250 mm/min.
6	Severence capacity (maybe with rough cut quality)	Min. 12mm thick mild steel at 125mm/min
7	Pierce capacity (ability to pierce without starting from edge)	Not applicable
8	Cooling	Forced air cooling
9	Weight of the machine	Below 12 Kg
10	Torch lead length	Min. 4 mtrs
11	Guarantee/warranty	<del>One year</del> AS per IRS Condition of M&P
12	Brand	ISO Certified reputed brand
13	Consumables (to be supplied along with the machine)	i) Electrode : 20 Nos. ii) Nozzles : 20 Nos. iii) Goggles : 02 Nos.
14	Gas supply	Should be capable of working with air or nitrogen
15	Gas flow rate	Below 125 lit/min. @ 5.5-bar
16	Life of electrode & nozzle	Not less than 100 mtrs length of cutting 6mm thick mild steel sheet

3. AMC : NO

The supplied shall maintain the machine after expiry of warranty/guarantee period for a min. period of 03 years under AMC. The year wise consolidated rate for comprehensive (all inclusive) AMC should be clearly quoted separately alongwith the machine price.

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