

(5)

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	02 (two) years
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**

~~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 along with the machine price.~~

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(22)

TECHNICAL SPECIFICATION OF AIR PLASMA CUTTING MACHINE
CAPACITY: 12 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
- 03 Nos. Operating and Maintenance manual

2. **Leading parameters:**

SN	Item	Details
1	Type of power supply	Inverter – IGBT
2	Input power supply	200-240 V Single phase AC, 50 Hz
3	Input power requirement	Below 9.0 KVA
4	Output current	Approx. 20-45 Amps
5	Cutting capacity (with good cut quality)	Upto 12mm thick, mild steel at 500mm/min & 18mm thick, mild steel at 250 mm/min.
6	Severence capacity (maybe with rough cut quality)	Min. 20mm thick, mild steel at 125mm/min
7	Pierce capacity (ability to pierce without starting from edge)	Min. 10mm thick, mild steel
8	Cooling	Forced air cooling
9	Weight of the machine	Below 20 Kg
10	Torch lead length	Min. 20 mtrs
11	Guarantee/warranty	02 (Two) years
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 200 lit/min. @ 5.5 bar
16	Life of electrode & nozzle	Not less than 100 mtrs length of cutting 12mm thick, mild steel sheet

3. **AMC**

~~The supplier 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 along with the machine price.~~

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Annexure-II

To be submitted by the firm along with offer-

Tender specification	Specification quoted by the firm	Deviation if any with clarification