


TECHNICAL SPECIFICATION OF PORTABLE AIR PLASMA CUTTING MACHINE


SN	Descriptions	Value	Firm's Remarks
A. PLASMA CUTTING EQUIPMENT			
1	Input Supply	400V +/- 10% AC, 50 Hz, 3 - Phase.	
2	Ouput Current Range (Amps)	30 (or lower) to 45 (or Higher).	
3	Open Circuit Voltage	270 V (Min.).	
4	Cutting Capacity (Stainless steel)		
	a) Clean Cut.	14 mm (Min.).	
	b) Severance Cut	20 mm (Min.).	
5	Cutting Material	SS, MS, Copper & Aluminium etc.	
6	Pierce Capacity	10 mm (Min.).	
7	Cutting Speed	250 mm/minute (Min.).	
8	Length of Torch Cable	6.0 m (Minimum).	
9	Air Pressure Required	5.0 - 6.0 Bar.	
10	Touch & Drag Cutting Features	Must be available.	
11	Make: Plasma Cutting and Torch.	ESAB / ADOR / HYPERTHERM	
12	Accessories to be provided with each Plasma Cutting Machine	01. Cutting Electrode & Nozzle Set - 30 Nos.	
		02. Shield Cap - 10 Nos.	
		03. Drag Cutting Nozzle & Electrode - 30 Nos.	
		04. Torch with Cable Assembly - 2 Nos.	
B. AIR COMPRESSOR			
13	Free air delivery rate	11 -18 cfm.	
14	Tank capacity	200 Ltr. (Minimum)	
15	Accessories to be supplied with Air Compressor	10 mm Air Hose Pipe – 05 Mtr. (Minimum)	
16	Make :	ELGI / INGERSOLRAND/ATLAS COPCO/ CHICAGO PNEUMATIC.	
C. WARRANTY			
17	02 years from the date of commissioning for Plasma Cutting Set, Torch & Air Compressor etc.		

NOTE:

1. Only specific values are required to be filled in the Firm's offer. If the detailed offered specification against each required **description and value from SN. 1 to 17** is not provided in the bid, then the offer will be considered as unsuitable.

2. Mentioning "OK/COMPLIED/YES/PROVIDED etc or leaving blanks" against the **NUMERICAL PARAMETER** above; will be considered as ambiguous and such offers will be considered as unsuitable.


(Lokesh Kailash Meena)
DME/CKP


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(Digvijay Singh)
SSE/M&P/C&W/ADTP