


TECHNICAL SPECIFICATION OF ARC WELDING MACHINE

Ser	Particulars	Description
1.	Name of Item	Arc Welding Machine
2.	Quantity	As per demand
3.	Purpose	Used for Arc welding
4.	Technical Parameters	a. Type IGBT Inverter, SMAW
		b. Model MMA-400
		c. Applicable Material Mild steel, Heat-resistant steel, Stainless steel and Copper alloy
		d. Applicable electrode dia 2.5-6.0mm
		e. Power voltage 380 V (AC)
		f. Phase 03
		g. Frequency 50 Hz
		h. Rated input current 25.7 A
		j. Rated output voltage 35.2V
		k. Output current 40-380 A
		l. No-load voltage 60 V
		m. Rated input power 16.9 KVA
		n. Duty cycle 35%, (40°C)
		p. Efficiency 85%
		q. Power factor 0.93
		r. Insulation class F
		s. protection grade IP21S
		t. Weight 25-30 Kg
		u. Dimension To be mentioned
5.	Country of Origin	SOUTH KOREA, JAPAN, UK, GERMANY, TURKEY
6.	Country of Manufacture	SOUTH KOREA, JAPAN, UK, GERMANY, TURKEY
7.	Year of Manufacture	Not before -2022
8.	Source of Supply	To be mentioned
9.	Port of Shipment	To be mentioned
10.	Manufacturer's Name and Address	To be mentioned
11.	Supplier/ Local Agent	To be mentioned
12.	Certificate and Document of Authentication	01 (one) set of following documents for each machine in English language are to be Supplied with each Arc welding machine. a. Operation and Maintenance manual. b. Parts catalogue.
13.	Packing/ labeling	Standard
14.	Warranty	Warranty for trouble free operation is to be given by the Principal/manufacture for a period at least 01(one) year from the date of acceptance by the buyer. During the warranty period, if the Arc welding machine remains non-operational for any action pending by the supplier, the warranty period will be extended for the same period. The warranty covers all parts and labour throughout the warranty period.

15.	Installation	NA
16.	Test, Trail and acceptance	Test and trial for the Arc welding machine will be by the buyer in presence of the supplier's representative. After satisfactory test and trial an acceptance certificate will be signed jointly by the supplier's representative and the representative of buyer.
17.	Site Visit (Focal Point)	The interested bidder may visit the representative shop if required
18.	Training	The manufacturer's/ supplier's installation engineer will provide operation and maintenance training in Bangladesh to 3 x Operators for 02 Days after test, trial and commissioning of the said equipment.
19.	Accessories	Must be include all items and accessories, which are essential to operate the Arc welding machine whether those are mentioned in the specification or not a. Welding cable- 30mtr (each machine) b. Welding holder- 01 in no, 500 A (each machine) c. Head screen- 01 in no (each machine) d. Adjustable range- 08 inch (each machine)
20.	Picture	NA


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