

DETAILS OF THE MACHINE

Name of Machine	Specification	A/U	Qty
(a)	(b)	(c)	(d)
Spot Welding Machine	Spot Welding Machine with all standard and additional accessories as per specification below :	No	1 (One)
	1. Name of Item : Spot Welding Machine		
	2. Model : To be mentioned		
	3. Country of Origin : Group B		
	4. Country of Manufacture, Assembly & Shipment : Group B		
	5. Name of Manufacturer and Address : To be mentioned		
	6. Name of Principal and Address : To be mentioned		
	7. Specifications:		
	a. Primary voltage : 380V		
	b. Power rating at 50% duty cycle (KVA) : To be mentioned and must be compatible for operational requirement.		
	c. Rated primary current (A) : To be mentioned		
	d. Frequency : 50 Hz		
	e. Secondary open circuit voltage (v) : To be mentioned and must be compatible for operational requirement.		
	f. Number of taps (Minimum) : 4 stages		
	g. Rated number of secondary voltage (Minimum) : 4 stages		
	h. Max. Secondary short circuit current (kA) : To be mentioned and must be compatible for operational requirement.		
	j. Throat depth : 500-600 mm		
	k. Gap between arms : 200mm, 250mm, 300mm, 350 mm		
	l. Working stroke of upper electrode : (20~30) mm		
	m. Range of Welding thickness : (8+8) to (12+12) mm (Mild Steel, Carbon Steel)		
	n. Auxiliary stroke of upper electrode : (60~75) mm		
	p. Max electrode force : To be mentioned and must be compatible for operational requirement.		
	q. Pressure of compressed air source (MPa) : To be mentioned and must be compatible for operational requirement.		
	r. Pressure of cooling water (MPa) : To be mentioned		
	s. Cooling water consumption (dm ³ /h) : To be mentioned and must suitable for the machine.		
	t. Productivity (spots/min) : To be mentioned		
	u. Overall dimensions (L x W x H) (mm) : To be mentioned		
	v. Power supply : 380~420V, 3Phase, 50Hz		
	w. Weight (kg) : To be mentioned		
	8. Condition:		
	a. All standard attachment and accessory must be supplied with the Machine.		
	b. Machine must be capable of spot welding as per Ser No 7(m).		
	c. Additional 2 set Electrode Holder (2 x Upper & 2 x Lower) must be supplied with the Machine.		
d. Standard lubricating & lighting system should be provided with the Machine.			
e. Installation and Post Installation Requirement at BOF:			
(1) Installation Requirement at BOF.			
(a) It is the responsibility of supplier to fully integrate and commission the machine at BOF's identified site/ room. Machine installation and commissioning is to be provided by the certified engineers of machine manufacturer from same country or at least from same group of countries at BOF site.			
(b) BOF shall only provide utility service up to near proximity. All other related equipment, connections and fittings or any related things required for successful installation and running of the machine will be provided by the supplier.			
(c) Supplier shall bring all necessary calibration standards and calibration equipment for ensuring the machines accuracy with valid traceability certificates at BOF site.			
(d) After installation and commissioning of the machine, trial run, trial production to be done by the certified engineers of machine manufacturer from same country or at least from same group of countries at BOF site to be provided. Following information must be given as below:			

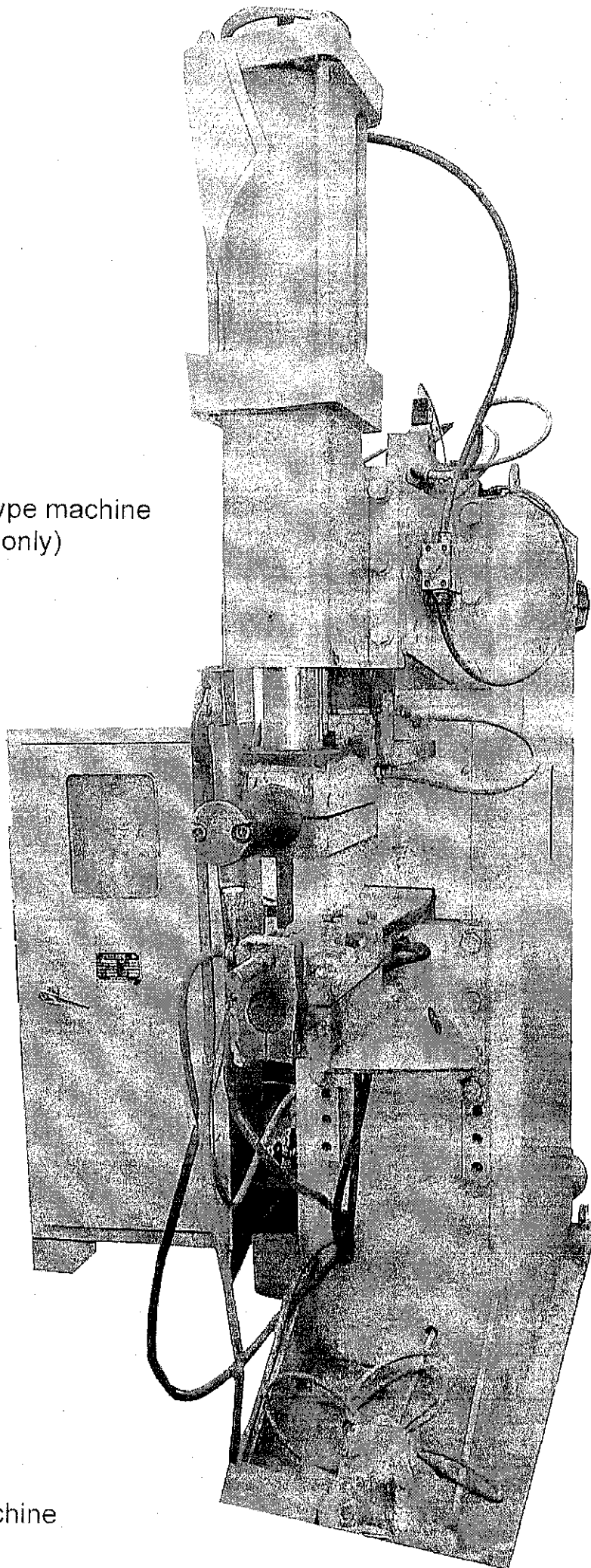
(a)	(b)	(c)	(d)																		
	<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 10%;">Ser</th> <th style="width: 50%;">Items</th> <th style="width: 40%;">Responsible (Supplier/BOF)</th> </tr> <tr> <th>(a)</th> <th>(b)</th> <th>(c)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Site Preparation</td> <td>BOF and Supplier</td> </tr> <tr> <td>2.</td> <td>Installation & Commissioning</td> <td>Supplier</td> </tr> <tr> <td>3.</td> <td>Trial Run</td> <td>Supplier</td> </tr> <tr> <td>4.</td> <td>Trial Production</td> <td>Supplier</td> </tr> </tbody> </table> <p>(2) Post Installation Requirement at BOF. (a) It is the responsibility of supplier to fully integrate, erect and commission the machine at BOF's identified site/ room. Machine installation and commissioning is to be provided by the Supplier at BOF site (within 30 days) after receiving machine by BOF. (b) BOF only provides utility service up to near proximity. All other related equipment, connections and fittings or any related things required for successful installation and running of the machine will be provided by the supplier. (c) Supplier shall bring all necessary calibration standards and calibration equipment for ensuring the machine accuracies with valid traceability certificates at BOF site. (d) After installation and commissioning of the machine Trial Production and Trial Run (minimum 5 working days excluding installation and commissioning period) by the Supplier's Technical Team at BOF site to be provided.</p> <p>(3) Software and License: If any software update, license key is required for the machine, supplier must provide this for machine's lifetime free of cost. Remote or system locking of the machine using software and password is not allowed. If done so, BOF will have the authority to reject the machine.</p> <p>f. Trial run and trial production to be completed within 10 working days after installation and commissioning at BOF site.</p> <p>g. All optional items with price should be mentioned in the offer if available.</p> <p>h. 1 x Operators manual/programming manual in English must be supplied with the Machine.</p> <p>i. 1 x Maintenance/Repair manual in English must be supplied with the Machine.</p> <p>k. Warranty for 1 (one) year after acceptance.</p> <p>l. Bidder must submit the original leaflet/ Brochure with the offer.</p> <p>m. Similar type pictures of the Machine are attached with the specification for your guidelines only.</p> <p>n. Supplier may visit at BOF site to see the purpose of Machine for better understanding.</p> <p>9. Offer Validity : 180 days from tender opening date.</p>	Ser	Items	Responsible (Supplier/BOF)	(a)	(b)	(c)	1.	Site Preparation	BOF and Supplier	2.	Installation & Commissioning	Supplier	3.	Trial Run	Supplier	4.	Trial Production	Supplier		
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Terms and Conditions

Supplier must mention their compliance on the following mentioned points :

1. A principal/manufacture can submit **only one offer through one local agent** for any individual item. Offers through multiple local agents by same principle/manufacture will be **treated as rejected**.
2. To ensure unhindered LC handling the principal must provide a certificate to confirm that their LC operating bank has RMA (Relationship Management Agreement) with the local scheduled Banks of Bangladesh.
3. Supplier must **clearly mention** (in the technical offer) that as principal/manufacture they poses necessary **export permit** from the concern ministry or Chamber of Commerce of their country. They must also submit a certificate in this regards as per the attached specimen format at **Annex F**.
4. Before signing the contract, in Foreign Currency Performance Guarantee @ 10% of total LC value is to be submitted by the Principal in favour of Commandant, Bangladesh Ordnance Factories, Gazipur Cantonment, Gazipur through any scheduled Bank located in Bangladesh (**As per the format at Annex D**).
5. A separate **certificate should be provided** by the principal **originally signed** (Computerized or digitally edited signature will not be accepted) stating that they are aware of the requirement of the PG and if the contract is awarded they will be bound to provide the PG as per **the format at Annex E**, otherwise administrative action will be taken against the principal and local agent.
6. **End User Certificate (EUC)** will have to be submitted (**As per the format at Annex H**).
7. The stores should be supplied to BOF at **supplier's cost**.
8. On arrival of the stores at BOF, the supplier must complete installation, commissioning, trial run & trial production within 01(one) month (from the date of entry at BOF). Otherwise, penalty will be imposed at the rate of 2% but not less than 1% and will not exceed 10% of the total CFR/LC vale (As applicable).
9. If the supplier fails to deliver the stores within the stipulated period, the followings will be applicable:
 - a. Cancel the contract and/or,
 - b. Decision at the discretion of BOF.
10. Inspectorate is the authority in all matters pertaining to Inspection. Any verdict by the inspectors regarding rejection, acceptance, and /or deviation of machine involving price reduction will be treated as final and will not be subject to arbitration.
11. The Supplier must submit the following **attested documents** with the schedule :
 - (a) Trade License
 - (b) Tin Certificate
 - (c) Upto date VAT Registration certificate.

Picture of similar type machine
(guidelines only)



Spot Welding Machine