

DETAILS OF THE MACHINE

Name of Machine	Specification	A/U	Qty																																																																								
(a)	(b)	(c)	(d)																																																																								
Automatic Sand Casting Molding Machine	Automatic Sand Casting Molding Machine with all standard and additional accessories as per specification below : 1. Application : For the production of foundry pieces which is alternative to hand-shape and high degree of automation, convenient, secure under the core mainly use in Induction furnace for metal casting. 2. Specification : <table border="1"> <tr><td>a.</td><td>Machine Type</td><td>:</td><td>To be mentioned</td></tr> <tr><td>b.</td><td>Power supply</td><td>:</td><td>3 phase, 220 - 440 V,50 HZ</td></tr> <tr><td>c.</td><td>Dimension (L x W x H)</td><td>:</td><td>To be mentioned</td></tr> <tr><td>d.</td><td>Mold size (L x W) mm (Maximum)</td><td>:</td><td>500 x 600 mm</td></tr> <tr><td>e.</td><td>Maximum mold height (mm)</td><td>:</td><td>≥ 380</td></tr> <tr><td>f.</td><td>Motor Model and Type</td><td>:</td><td>To be mentioned</td></tr> <tr><td>g.</td><td>Power (kw)</td><td>:</td><td>10 – 25 kw</td></tr> <tr><td>h.</td><td>Maximum Capacity (Mold/ hour)</td><td>:</td><td>70 – 90 Mold/ hour</td></tr> <tr><td>j.</td><td>Weight</td><td>:</td><td>To be mentioned</td></tr> <tr><td>k.</td><td>Machine body material</td><td>:</td><td>To be mentioned</td></tr> <tr><td>l.</td><td>Control system</td><td>:</td><td>PLC with HMI (Monitor)</td></tr> <tr><td>m.</td><td>Molding method</td><td>:</td><td>To be mentioned</td></tr> <tr><td>n.</td><td>Year of manufacture</td><td>:</td><td>To be mentioned</td></tr> <tr><td>p.</td><td>Others</td><td>:</td><td>To be mentioned</td></tr> </table> 3. Condition : a. Warranty for 01 (one) year after acceptance. b. Machine installation, commissioning & trial run must be done by the supplier within one month (30 days) from the date of arrival of the machines at BOF. c. 02 x Operation & Maintenance manual in English to be supplied with the equipment. d. 03 (three) years service support after acceptance. e. All standard attachment and accessories must be supplied with the machine. f. Bidder should submit original leaflet/ Brochure with the offer. g. Fast moving spare parts for five (05) years to be supplied. h. Books publication: (1) Operator manual: Must contain the mechanical, electrical, electronics and pneumatic & Hydraulic diagram with respective working description. (2) Repair and maintenance manual: Contain the detail procedure of repair with fault code analysis periodical maintenance schedule to be included. (3) Parts catalogue. j. Training : Local (10 working days) (1) Operator Training: (a) Operation (b) Routine / daily maintenance (c) Safety. (2) Repair and Maintenance Training: Operation of all system valuable in the machine mechanical, electrical, electronics and pneumatic & Hydraulic trouble shooting. (3) Control system included Fault diagonal and trouble shooting by creating some fault. (4) Following information must be given as under : <table border="1"> <thead> <tr> <th>Ser</th> <th>Training</th> <th>Details</th> <th>Supplier's Opinion</th> </tr> </thead> <tbody> <tr> <td>a.</td> <td>Local Training</td> <td>Trainer Type (Local/ Foreign)</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Number of Trainer</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Training Schedule</td> <td></td> </tr> </tbody> </table> k. Supplier must submit Local training plan along with the offer. l. Safety system. 4. Country of Origin : Any Country 5. Country of Manufacture : Any Country 6. Port of Shipment : Any Country	a.	Machine Type	:	To be mentioned	b.	Power supply	:	3 phase, 220 - 440 V,50 HZ	c.	Dimension (L x W x H)	:	To be mentioned	d.	Mold size (L x W) mm (Maximum)	:	500 x 600 mm	e.	Maximum mold height (mm)	:	≥ 380	f.	Motor Model and Type	:	To be mentioned	g.	Power (kw)	:	10 – 25 kw	h.	Maximum Capacity (Mold/ hour)	:	70 – 90 Mold/ hour	j.	Weight	:	To be mentioned	k.	Machine body material	:	To be mentioned	l.	Control system	:	PLC with HMI (Monitor)	m.	Molding method	:	To be mentioned	n.	Year of manufacture	:	To be mentioned	p.	Others	:	To be mentioned	Ser	Training	Details	Supplier's Opinion	a.	Local Training	Trainer Type (Local/ Foreign)				Number of Trainer				Training Schedule		No	01 (One)
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Terms & Conditions

Supplier must mention their compliance on the following mentioned points :

1. A principal/manufacturer can submit **only one offer through one local agent** for any individual item. Offers through multiple local agents by same principle/manufacturer 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 Banks of Bangladesh.
3. Supplier must **clearly mention** (in the technical offer) that as principal/manufacturer they poses necessary **export permit** from the concern ministry or any other authority 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, 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.
6. The stores should be supplied to BOF at **supplier's cost**.
7. 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).
8. 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.
9. 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.
10. The Supplier must submit the following **attested documents** with the schedule :
 - a. **Trade License**
 - b. **Tin Certificate**
 - c. **Up to date VAT Registration certificate.**