

Combination Press Forming Machine

Sl.No	Nomenclature & Specification		A/U	Qty
(a)	(b)		(c)	(d)
	Combination Press Forming Machine with all standard and additional accessories as per specification below:		No	01
	Ser	Description		
	1.	Name of the Machine: Combination Press Forming Machine with all standard and additional accessories		
	2.	Model: To be mentioned		
	3.	Country of Origin and Assemble: Group 'B'		
	4.	County of Manufacturer: To be mentioned		
	5.	Name of Manufacturer: To be mentioned		
	6.	Name of the Principal: To be mentioned		
	7.	Purpose: This machine is used for the manufacturing of lead jackets from lead wire, steel core from steel rod and assembling them for manufacturing bullet core (As per BOF sample & drawing). Complete video clip of machine showing its working principle to be submitted with technical offer.		
	8.	Input Material: a. Lead Wire (Diameter: 6.14 mm ~ 6.22 mm) b. Ordinary Carbon Steel Rod Diameter: 5.92 mm ~ 5.98 mm.		
	9.	Output Material: Complete Bullet core		
	10.	Specification:		
		a. Caliber (mm): Ball T-53 (7.62x54mm)		
		b. Production Rate (Pcs/min): 105 (Minimum)		
		c. Number of Stations: To be mentioned		
		d. Power Supply: 220/380/440 V, 50 Hz		
		e. Phase: To be mentioned		
		f. Main Motor (hp): To be mentioned		
		g. Lubricating system: To be mentioned		
		h. Compressed air requirements (psi): To be mentioned		
		j. Control Cabinet Size (L×W×H) mm: To be mentioned		
		k. Overall dimension (L×W×H) mm: To be mentioned		
		l. Net Weight (Kg): To be mentioned		
		m. Year of Manufacture to be embossed in the main body: To be complied		
	11.	Optional equipment (if any) required to complete the process: To be mentioned in detail		
	12.	Latest Feature/ Technology (If available): To be mentioned		
	13.	Main Machine:		
		a. Basic machine with all standard accessories and attachment are to be provided.		
		b. Provide list of Tools, Die and Punch will be fitted/ provided with the machine.		
		c. Automatic Voltage Regulator (AVR) if required to be provided with the machine and synchronized with the supplied machine.		

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14.	<p>Spares, Accessories and Consumable Items:</p> <p>a. Required spares, accessories and consumables (Tools, Die, Punch, Gauges, etc.) Lubricating oil, Coolant, Filter, Battery, Online UPS, etc. for 5 million productions will be supplied with the machine mentioning price & drawing.</p> <p>b. 2 set gauges will be provided with the machine mentioning price & drawing.</p>																																	
15.	<p>Port of Shipment: Group 'B' (As per country of origin)</p>																																	
16.	<p>Country of Origin of all major components : Group 'B' - To be Mentioned</p> <p>a. Main Motor</p> <p>b. Major Mechanical & Electrical Part.</p> <p>c. Any other major component</p>																																	
17.	<p>Training and Pre-Shipment Inspection at Supplier's Site:</p> <p>PSI will be carried out under BOF arrangement by 02 (Two) persons for 03 (Three) days excluding journey period.</p>																																	
18.	<p>Installation & Post Installation Requirement at BOF.</p> <p>Installation Requirement at BOF.</p> <p>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 same group of countries at BOF site.</p> <p>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.</p> <p>c. Supplier shall bring all necessary calibration standards and calibration equipment for ensuring the machines accuracy with valid traceability certificates at BOF site.</p> <p>c. After installation and commissioning of the machine, trial run, trial production followed by operational and maintenance training of BOF personals by the certified engineers of machine manufacturer from same country or at least from same group of countries at BOF site to be provided. The training should cover complete operation, application, software usage (if required) in all aspects of measurement and data analysis, part programming for required samples, calibration, basic & preventive maintenance and troubleshooting etc. Supplier must submit day wise local training plan along with the offer. Following information must be given as below:</p> <table border="1" data-bbox="327 1472 1692 1804"> <thead> <tr> <th data-bbox="327 1472 432 1516">Ser</th> <th data-bbox="438 1472 1020 1516">Items</th> <th data-bbox="1026 1472 1440 1516">Responsible (Supplier/BOF)</th> <th data-bbox="1446 1472 1692 1516">Duration</th> </tr> <tr> <th data-bbox="327 1525 432 1555">(a)</th> <th data-bbox="438 1525 1020 1555">(b)</th> <th data-bbox="1026 1525 1440 1555">(c)</th> <th data-bbox="1446 1525 1692 1555">(d)</th> </tr> </thead> <tbody> <tr> <td data-bbox="327 1564 432 1593">1.</td> <td data-bbox="438 1564 1020 1593">Site Preparation</td> <td data-bbox="1026 1564 1440 1593">BOF and Supplier</td> <td data-bbox="1446 1564 1692 1593">To be mentioned</td> </tr> <tr> <td data-bbox="327 1602 432 1632">2.</td> <td data-bbox="438 1602 1020 1632">Installation & Commissioning</td> <td data-bbox="1026 1602 1440 1632">Supplier</td> <td data-bbox="1446 1602 1692 1632">To be mentioned</td> </tr> <tr> <td data-bbox="327 1641 432 1670">3.</td> <td data-bbox="438 1641 1020 1670">Trial Run</td> <td data-bbox="1026 1641 1440 1670">Supplier</td> <td data-bbox="1446 1641 1692 1670">To be mentioned</td> </tr> <tr> <td data-bbox="327 1679 432 1709">4.</td> <td data-bbox="438 1679 1020 1709">Trial Production</td> <td data-bbox="1026 1679 1440 1709">Supplier</td> <td data-bbox="1446 1679 1692 1709">To be mentioned</td> </tr> <tr> <td data-bbox="327 1718 432 1804" rowspan="2">5.</td> <td data-bbox="438 1718 1020 1762">Training</td> <td data-bbox="1026 1718 1440 1762">Supplier & Foreign Trainer</td> <td data-bbox="1446 1718 1692 1762">To be mentioned</td> </tr> <tr> <td data-bbox="438 1771 1020 1804">Repair & Maintenance Training</td> <td data-bbox="1026 1771 1440 1804">Supplier & Foreign Trainer</td> <td data-bbox="1446 1771 1692 1804">To be mentioned</td> </tr> </tbody> </table> <p>Post Installation Requirement at BOF.</p> <p>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.</p> <p>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.</p> <p>c. Supplier shall bring all necessary calibration standards and calibration equipment for ensuring the machine accuracies with valid traceability certificates at BOF site.</p> <p>d. After installation and commissioning of the machine trial production and trial run (minimum 15 working days excluding installation and commissioning period) by the Supplier's Technical team at BOF site to be provided.</p> <p>Software and License.</p> <p>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>	Ser	Items	Responsible (Supplier/BOF)	Duration	(a)	(b)	(c)	(d)	1.	Site Preparation	BOF and Supplier	To be mentioned	2.	Installation & Commissioning	Supplier	To be mentioned	3.	Trial Run	Supplier	To be mentioned	4.	Trial Production	Supplier	To be mentioned	5.	Training	Supplier & Foreign Trainer	To be mentioned	Repair & Maintenance Training	Supplier & Foreign Trainer	To be mentioned		
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19.	After Sales Support:		
	a. Supplier should guarantee the availability of spares, software/ firmware updates and additional add-on modules for at-least 10 years from date of expiry of warranty.		
	b. Customer support facility shall be made available for at least 05 (Five) years after expiry of the guarantee period.		
	c. Online remote diagnostic till the machine life/ online help for maintenance application to be provided (if available).		
	d. Online help support for system Queries/ Application support to be provided (If available).		
	e. Service personnel to attend any fault within 3 days after receipt of the information, whenever called for.		
20.	Warranty:		
	a. The machine shall have warranty for a minimum period of 12 months after accepted by BOF or more after commissioning for defect free operation at specified accuracies in BOF site.		
	b. Any defect observed during the warranty period shall be replaced/repared with free of cost with minimum down time (30 days). All the software updates during the warranty period shall be supplied, installed and trained to our personnel on real time basis at free of cost.		
21.	2 x Operator manuals/ programming manuals in English language must be supplied with the machine.		
22.	2 x Maintenance/ repair manuals in English must be supplied with machine.		
23.	The manufacturer must provide complete drawing (hard copy & soft copy) of tools, gauges and special part of the machine.		
24.	Supplier should submit original leaflet/ Brochure with the offer.		
25.	Lowest bidder will be selected except clause 11 of this tender.		

Terms & 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 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 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, otherwise administrative action will be taken against the principal and local agent.
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.**

