

DETAILS OF THE MACHINE

Name of Machine	Specification	A/U	Qty
(a)	(b)	(c)	(d)
Loading and Assembling Machine	Loading and Assembling Machine with all standard and additional accessories as per specification below :	No	1 (One)
	1. Name of the Machine : Loading and Assembling Machine		
	2. Model	To be mentioned	
	3. Country of Origin and Assemble: Group 'B'	To be mentioned	
	4. Country of Manufacturer: Group 'B'	To be mentioned	
	5. Name of Manufacturer and Address	To be mentioned	
	6. Name of Principal and Address	To be mentioned	
	7. Purpose: This machine is used for propellant charging/loading into finished cartridge cases and further assembling it with final finished bullet. Complete video clip of machine showing it's working principal to be submitted with technical offer.	To be complied	
	8. Input Material: Primer inserted cartridge case with inner mouth varnished, Propellant and final finished bullet. (As per drawing or sample)	To be complied	
	9. Output: Complete Cartridge (As per drawing or sample)	To be complied	
	10. Specification:		
	a. Caliber (mm)	7.62x54 mm (Ball Type-53)	
	b. Production Rate (Pcs/min)	85 (Minimum)	
	c. Powder quantity tolerance (gm)	+ 0.02	
	d. Number of stations	To be mentioned	
	e. Electrical Supply (Volt & Frequency)	220/440 V, 50 Hz	
	f. Phase	To be mentioned	
	g. Motor Horsepower (Hp)	To be mentioned	
	h. Compressed air requirements (psi)	To be mentioned	
	i. Control Cabinet (Availability and size in mm)	To be mentioned	
j. Overall dimension (LxWxH) mm	To be mentioned		
k. Net Weight (Kg)	To be mentioned		
l. Automatic Voltage Regulator (AVR) if required to be provided with the machine and synchronized with the supplied machine.	To be mentioned		
m. Year of manufacturing of the machine to be embossed on the main body.	To be mentioned		
11. Any Optional Equipment	To be mentioned		
12. Latest Feature/ Technology	To be mentioned		
13. Main Machine:			
a. Basic machine with all standard accessories and attachment.	To be Provided		
b. Required Tools, Die, Punch will be fitted/provided with the machine	To be Provided		
14. Spares, Accessories and Consumable Items:			
a. Required spares, accessories and consumables (Tools, Die, Punch etc.) Lubricating oil, Coolant, Filter, Battery, Online UPS, etc. as required to run initially (from trial running to the end of local training and 0.5 million production) the machine to be supplied by the manufacturer.	To be Provided		
b. 2 set gauges will be provided with the machine mentioning price & drawing.	To be Provided		
15. Port of Shipment: Group 'B'	To be mentioned		
16. Country of Origin of all major components : Group 'B'	To be mentioned		
a. Motor (Hopper & Main Motor)	To be mentioned		
b. Other important Mechanical & Electrical Part.	To be mentioned		
17. Training and Pre-Shipment Inspection at Supplier's Site:			
a. Pre-Shipment Inspection (PSI): (1) PSI will be carried out under BOF arrangement by 2 (two) persons for 3 (three) working days (excluding journey period). All cost of the PSI to be borne by BOF. (2) Supplier must submit details plan of PSI (Modus Operandi) (3) Supplier must also mention PSI cost to be borne by them at their end.	To be complied To be complied To be complied		

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	<p>b. Quality Assurance Certificate (QAC): If PSI is not carried out due to any unfavorable condition at buyer/manufacturer's end, then "Quality Assurance Certificate (QAC)" by Quality Control Department of the manufacturer will be considered as PSI report. QAC must be submitted for obtaining shipment clearance. Following certificates to be provided along with QAC by the manufacturer/supplier.</p> <p>(1) Country of origin certificate (2) Safe transportation certificate (3) Year of manufacturer certificate (4) Warranty certificate (5) Guarantee certificate (6) Any other certificate (if necessary)</p>	To be complied																								
18.	<p>Post Installation Requirement at BOF:</p> <p>a. Installation Requirement at BOF.</p> <p>(1) 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>(2) 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>(3) Supplier shall bring all necessary calibration standards and calibration equipment for ensuring the machines accuracy with valid traceability certificates at BOF site.</p> <p>(4) 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="376 927 1394 1189"> <thead> <tr> <th>Ser</th> <th>Items</th> <th>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> <tr> <td rowspan="2">5.</td> <td>Training</td> <td>Supplier & Foreign Trainer</td> </tr> <tr> <td>Functional Training Repair & Maintenance Training</td> <td>Supplier & Foreign Trainer</td> </tr> </tbody> </table> <p>b. Post Installation Requirement at BOF.</p> <p>(1) 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>(2) 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>(3) Supplier shall bring all necessary calibration standards and calibration equipment for ensuring the machine accuracies with valid traceability certificates at BOF site.</p> <p>(4) 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>c. 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)	(a)	(b)	(c)	1.	Site Preparation	BOF and Supplier	2.	Installation & Commissioning	Supplier	3.	Trial Run	Supplier	4.	Trial Production	Supplier	5.	Training	Supplier & Foreign Trainer	Functional Training Repair & Maintenance Training	Supplier & Foreign Trainer		
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19.	<p>After Sales Support:</p> <p>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.</p> <p>b. Customer support facility shall be made available for at least 05 (Five) years after expiry of the guarantee period.</p> <p>c. Online remote diagnostic till the machine life/ online help for maintenance application to be provided (if available).</p> <p>d. Online help support for system Queries/ Application support to be provided (If available).</p> <p>e. Service personnel to attend any fault within 3 days after receipt of the information, whenever called for.</p>	To be complied																								

RESTRICTED

(a)	(b)	(c)	(d)
20.	Warranty:		
	a. The machine shall have warranty for a minimum period of 12 months or more after commissioning for defect free operation and specified accuracies at our site.	To be complied	
	b. Any defect observed during the warranty period shall be replaced/repared 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.	To be complied	
21.	2 x Operators manual/programming manual in English language must be supplied with the machine.	To be provided	
22.	2 x Maintenance/Repair manual in English must be supplied with the machine.	To be provided	
23.	The manufacturer must provide complete drawing (hard copy & soft copy) of tools, dies, punches, gauges and special part of the machine.	To be provided	
24.	Supplier should submit original leaflet/ Brochure with the offer.	To be provided	
25.	Lowest bidder will be selected accept Clause No - 11 of this tender.	To be complied	
26.	Offer Validity : 180 days from tender opening date.	To be complied	

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.