

Inserting Machine for Ball Type-56

SI.No	Nomenclature & Specification	A/U	Qty
(a)	(b)	(c)	(d)
	Inserting Machine for Ball Type-56 with all standard and additional accessories as per specification below:	No	01
1.	Quantity:		02 Nos
2.	Model:		To be mentioned
3.	Country of Origin and Assemble:		Group- B
4.	Country of Manufacturer:		Group- B
5.	Name of Manufacturer:		CCEA/Zhejiang Red Flag Machinery Corporation Limited, China/ Equivalent reputed machine manufacturer.
6.	Name of Principal:		To be mentioned
7.	Purpose: The machine is designed for the correct insertion of primer cap into the pocket of small arms ammunition case (GMCS), check and ensure the depth of primer (Brass). This machine will also have the capabilities of head primer varnishing and Mouth varnishing. Complete video clip of machine showing its working principle to be submitted with technical offer.		To be complied
8.	Input Material: 7.62x39 mm final finished cartridge case, primer cap and varnish (Varnish for primer head and Mouth of Case).		To be complied
9.	Output: 7.62x39 mm primer inserted case with correct depth of primer and head and mouth varnished.		To be complied
10.	Specification:		
	a. Caliber (mm)		7.62×39 mm (Ball & Tracer Type -56)
	b. Production Rate (Pcs/min)		85±2
	c. Primer inserting depth: Gauging range		0.12-0.23 mm
	d. Top Punch Stroke (mm)		42
	e. Stroke of Primer Inserting Punch (mm)		6.8
	f. Carrying Disc:		
	i) Carrying Disc Slot Diameter (mm)		400
	ii) Carrying Disc Slot (No.)		72
	g. Neck Varnish:		
	i) Varnishing Punch Stroke (mm)		20
	ii) Varnishing Punch Speed (r/min)		235± 10
	h. Bottom Varnish:		
	i) Varnishing Stroke (mm)		12
	ii) Varnishing Speed (r/min)		250± 15
	j. Primer Hopper:		
	i) Hopper Diameter (mm)		100
	ii) Hopper Speed (r/min)		7
	k. Case Hopper:		
	i) Slot No. (No.)		33
	ii) Carrying Disc Speed (r/min)		3.5 (Adjustable)
	l. Main Motor: Main Motor Power (KW)		1.5
	Output Speed (r/min)		120
	m. Hopper Frequency Changing Motor (KW)		0.2
	n. Power Supply		380/440V,3 phase, 50 Hz
	p. Overall dimension (L×W×H) mm		To be mentioned
	q. Net Weight (Kg)		To be mentioned
	r. Year of manufacturing of the machine to be embossed on the main body		To be mentioned (Not before the year of contract)
11.	Any Optional Equipment		To be mentioned
12.	Latest Feature/ Technology		To be mentioned

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13.	Main Machine:																															
	a. Basic machine with all standard accessories and attachment.	To be mentioned																														
	b. Automatic Voltage Regulator (AVR) if required to be provided with the machine synchronized with the rating of the supplied machine (from Group 'B' Country).	To be mentioned																														
14.	Spares, Accessories and Consumable Items:	To be mentioned																														
	a. Required spares, accessories and consumables (Tools, Die, Punch etc.), lubricating oil, Coolant, Filter, Battery, Online UPS, etc. for 3 million production will be supplied with the machine mentioning price & drawing.	To be mentioned																														
	b. 2 set gauges will be provided with the machine mentioning price & drawing.	To be mentioned																														
15.	Port of Shipment: Group- B Countries Group 'B' / other Countries (As per country of origin)	To be mentioned																														
16.	Country of Origin of all major components: Group- B Countries	To be mentioned																														
	a. Motor (Hopper & Main Motor)	To be mentioned																														
	b. Other important Mechanical & Electrical Part.	To be mentioned																														
17.	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 completed by the certified engineers of machine manufacturer from same country or at least same group of countries at BOF site within 60 days after receiving machine by BOF.	To be complied.																														
	b. After successful installation and commissioning of the machine, local training (minimum 10 working days excluding installation and commissioning period) to be provided to BOF personnel's by the Supplier's Technical team at BOF site. The training should cover complete operation, application software usage (if required) in all aspects of measurement and data analysis, part programming, calibration, basic & preventive maintenance and troubleshooting etc. Trainer must be from machine manufacturer country or at least from the same group of countries.	To be complied.																														
	c. Supplier must submit Local training plan along with the offer.	To be complied																														
	d. Amount of installation, commissioning, trial run, trial production & training must be mentioned separately by the manufacturer. After installation and commissioning of the machine, trial run, trial production followed by operational and maintenance training of BOF personals by the technical expert 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:																															
	<table border="1"> <thead> <tr> <th>Ser</th> <th>Items</th> <th>Responsible (Supplier/BOF)</th> <th>Cost</th> <th>Duration</th> </tr> <tr> <th>(a)</th> <th>(b)</th> <th>(c)</th> <th>(d)</th> <th>(e)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Site Preparation</td> <td>BOF and Supplier</td> <td rowspan="5">To be mentioned</td> <td rowspan="5">To be mentioned</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>Functional Training</td> <td>To be mentioned</td> </tr> <tr> <td>Repair & Maintenance Training</td> <td>To be mentioned</td> </tr> </tbody> </table>	Ser	Items	Responsible (Supplier/BOF)	Cost	Duration	(a)	(b)	(c)	(d)	(e)	1.	Site Preparation	BOF and Supplier	To be mentioned	To be mentioned	2.	Installation & Commissioning	Supplier	3.	Trial Run	Supplier	4.	Trial Production	Supplier	5.	Functional Training	To be mentioned	Repair & Maintenance Training	To be mentioned		
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	e. Supplier shall bring all necessary calibration standards and calibration equipment for proving the machine accuracies with valid traceability certificates at our site.																															
	f. BOF only provide utility service up to near proximity. All other related equipment, connections and fittings or any related things to successful installation and running of the machine will be provided by the supplier.																															
	g. Performances and accuracies are to be demonstrated as per ISO Standards on supplied samples by BOF and on Calibration Standards supplied by the supplier.																															

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18.	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.	To be complied	
	b. Customer support facility shall be made available for at least 5 (five) years after expiry of the guarantee period.	To be complied	
	c. Online remote diagnostic till the machine life/ online help for maintenance application to be provided (if available).	To be complied	
	d. Online help support for system Queries/ Application support to be provided (If available).	To be complied	
	e. Service personnel to attend any fault within 3 (three) days after receipt of the information, whenever called for.	To be complied	
	f. 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. A PLC backup along with operating software must be supplied with the machines. PLC must be keyword/password free.		
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.	Condition:	To be provided	
21.1	Adaptation Physical Visit: Within 30 days from signing of contract a tech team of OEM to visit BOF to confirm the tech spec of the machines and its associated jigs, fixtures, die and punch required for designated production. An agreement by the visiting team has to be signed with BOF confirming technical spec given in clause 7,8,9,10,11,12,13 and 14. No alteration or change of any contract clause including financial terms is permissible.		
21.2	Turn Key Project: The contract will be considered as a Turn Key Project. The OEM has to ensure installation, trial run, trial production, training and sustainable production.	To be complied	
21.3	Quality Assurance Certificate (QAC):		
21.4	QAC must be provided for the acceptance of the machines. The QAC must be provided by a third party which will be decided by BOF. Following certificates to be provided along with QAC by the third party. (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)	To be complied	
21.5	50% of the payment will be made after shipment clearance of the machine via QAC & another 50% will paid after as follows (20% will be paid after complete installation, 10% after complete training and 20% after trail run production).	To be complied	
21.6	The machine must be brand new, free from any defect or damage.	To be complied	
21.7	02xMachine drawings and designs must be supplied during the Adaptation Physical Visit.	To be complied	
21.8	02 x Operators manual/ programming manual in English language must be supplied with the machine.	To be complied	
21.9	02 x Maintenance/ repair manual in English must be supplied with machine.	To be provided	
21.10	The manufacturer must provide verified complete drawing (02 x hard copies and soft copies in dwg/step/stl file) of tools, dies, punches, gauges and special parts of the machine.		
21.11	Supplier should submit original leaflet/ Brochure with the offer.	To be complied	
21.12	Lowest bidder will be selected except clause no –11 (Any Optional Equipment) of this tender.	To be complied	

Terms & Conditions

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. Payment Terms and Performance Guarantee (PG) Submission (for Foreign Currency Only) :
 - i. 60% LC value will be paid after shipment, another 20% LC Value will be paid on successful installation of the machine including operating software and remaining 20% LC value will be paid after final acceptance of the item by BOF inspecting authority (if PSI carried out).
 - ii. 50% LC value will be paid after shipment, another 30% LC Value will be paid on successful installation of the machine including operating software and remaining 20% LC value will be paid after final acceptance of the item by BOF inspecting authority (if PSI not carried out).
 - iii. Before signing the contract, Performance Guarantee (PG) @ 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 E).
 - iv. 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 D, otherwise administrative action will be taken against the principal and local agent.
5. The stores should be supplied to BOF at supplier's cost.
6. If the supplier fails to deliver the stores as per the specification and terms of the contract within the stipulated period, the followings will be applicable:
 - a. Cancellation of the contract and/or,
 - b. Decision at the discretion of BOF.
7. BOF is the authority in all matters pertaining to Inspection. Any verdict by the inspection team regarding rejection, acceptance, and /or deviation of machine involving price reduction will be treated as final and will not be subject to arbitration.
8. The Supplier must submit the following attested documents with the schedule :
 - a. Trade License.
 - b. Tin Certificate.
 - c. Up to date VAT Registration certificate.