Annex -`A` TO
Tender No. 23.27.0000.167.77(i).4112316.19.20
DT. 18-01-2021

PRIMER INSERTING MACHINE FOR BALL TYPE-56

Sl. No	Specification			A/U	Qty
(a)	(b)			(c)	(d)
Name		Primer Inserting Machine for Ball Type-56 with all standard and additional accessories as per specification bellow :		Nos	03
1.	**Model**	To be mentioned			
2.	**Name of the Machine (Designation)**	To be mentioned			
3.	**Purpose:**	The machine is designed for the correct insertion of primer caps into the pockets of small arms ammunition cases (GMCS), check and ensure the depth of primer (Brass). This machine will also have the capabilities of head primer varnishing as well as case mouth varnishing. Complete video clip of machine showing is working principle to be submitted with technical offer.	To be complied		
4.	**Input Material**	7.62x 39mm final finished cartridge case, primer cap and varnish	To be complied		
5.	**Output**	Primer inserted case with correct depth of primer, head varnished and inner side of case mouth varnished	To be complied		
6.	**Specification**	**a. Caliber (mm)**	7.62×39 mm		
		b. Production Rate (Pcs/min)	85 (Minimum)		
		c. Depth of primer (Gauging range)	0.12-0.23 mm		
		d. Neck Varnishing punch stroke	To be mentioned		
		Neck Varnishing punch speed	To be mentioned		
		e. Bottom Varnishing Stroke	To be mentioned		
		Bottom Varnishing punch speed	To be mentioned		
		f. Primer Hopper (Number and size in mm)	To be mentioned		
		g. Case Hopper (Number and size in mm)	To be mentioned		
		h. Number of Stations	To be mentioned		
		j. Electrical Supply	220 /380 /440 V, 50Hz		
		k. Phase	To be mentioned		
		l. Motor Horsepower (Hp)	To be mentioned		
		m. Compressed air requirements (psi)	To be mentioned		
		n . Control Cabinet (Availability and size in mm)	To be mentioned		
		p. overall dimension (L×W×H) mm	To be mentioned		
		q. Net Weight (Kg)	To be mentioned		
		r. 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		
		s. Date of manufacturing of the machine to be embossed on the main body	To be mentioned		
7.	**Any Optional Equipment**		To be mentioned		
8.	**Latest Feature/ Technology**		To be mentioned		
9.	**Spares, Accessories and Consumable Items:**				
	a. Required Spares, Accessories and Consumable (Tools, Die, Punch, Gauge 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. Required Tools, Die, Punch, Gauge, etc for 01 year period smooth operation (10 million production) will be supplied with the machine mentioning price , part No, brand, material & drawing.		To be Provided		
	c. Required spares, accessories and consumables (Mechanical/ Electrical & Electronic) for 1 year period smooth operation will be supplied with the machine mentioning price & part No, brand material & drawing		To be Provided		

Sl. No	Specification		A/U	Qty
(a)	(b)		(c)	(d)
	d. List of spares, accessories and consumables (including price, mentioning part No, brand, material & drawing) recommended for 5 years period (Mechanical/ Electrical & Electronic) required for smooth operation of the machine after the expiry of warranty period (only for the reference of further procurement)	To be Provided		
	e. List of spares, accessories and consumables (including price, mentioning part No, brand, material & drawing) recommended for life time period (Mechanical/ Electrical & Electronic) smooth operation of the machine after the expiry of warranty period. (only for the reference of further procurement)	To be Provided		
10.	**Country of Origin and Assemble- Group 'B' countries**	To be mentioned		
11.	**Country of Manufacturer - Group 'B'**	To be mentioned		
12.	**Name of Manufacturer**	To be mentioned		
13.	**Name of Principal**	To be mentioned		
14.	**Port of shipment : Group 'B' countries**	To be complied		
15.	**Country of Origin of all major components: Group 'B' Countries**	To be mentioned		
	a. Motor (Hopper & Main Motor)	To be complied		
	b. Varnishing Unit (Head & Mouth)	To be complied		
	c. Depth of Primer Check Unit	To be complied		
	d. Primer Cap Inserting Unit	To be complied		
	e. Die & Punch	To be complied		
	f. Case Holder	To be complied		
	g. Other important Mechanical & Electrical Part	To be complied		
16.	**Training and Pre-Shipment Inspection at supplier's site :**			
	(i) PSI of the machine will be carried out by 02(two) BOF Persons for 05 (five) working days (Excluding journey period). All cost of the PSI to be borne by BOF. (ii) Supplier must submit details plan of PSI (Modus Operandi). (iii) Supplier must also mention PSI cost to be borne by them at their end.	To be complied		
17	**Post Installation Requirement at BOF**			
	a. It is the responsibility of supplier to fully integrate, erect and commission the machine at our identified site/ room/ Place	To be complied		
	b. Performance and accuracies are to be demonstrated as per ISO Standards on supplied samples by us and on Calibration Standards supplied by the supplier	To be complied		
	c. **Local Training** : Machine installation trial run and operational with maintenance, training is to be provided by the certified engineers' of machine manufacturer at BOF site. Number of trainer must be at least 01 (one), duration of training should be at least 10 working days (excluding machine installation, trial run and trial production). **Following information must be as under for local training :** a) Training: Local Training — Details: Trainer Type (Local/Foreign); Number of Trainer; Training Schedule — Supplier's opinion:	To be complied		
	d. Supplier shall bring all necessary calibration standards and calibration equipment for proving the machine accuracies with valid traceability certificates at our site.	To be complied		
	e. Supplier must submit Local training plan along with the offer.			
18.	**Documentation:** The following documents (hard copy 2 sets & soft copy in CD/ Flash Drive/ HDD) shall be provided by supplier			
	a. All the data and results of testing and calibration of the machine at supplier's site shall be properly documented and supplied to BOF. Calibration Certificates (traceable to National/International Standard) of all the artifacts/reference standards used for the same.	To be Provided		
	b. Operations, Calibration & Application software Manual: This document should explain all the measurement options, terms, operation, calibration, application of the system with sketches and detailed explanation.	To be Provided		

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19.	**c. System administration & Maintenance/ Service manual:** This document should explain the detailed system configuration and administration including control System with the help of sketches. System manual should explain known possible errors and solution for the same. User manual and service manual (for both Mechanical, Electrical and Electronic Hardware/ Circuits) in English language to be supplied with the machine	To be Provided		
	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 10 (ten) years after expiry of the guarantee period.	To be complied		
	c. Online remote diagnostic till the machine life/ online help for maintenance application as required to be provided.	To be complied		
	d. Online help support for system Queries/ Application support as required to be provided	To be complied		
	e. Service facilities and personnel availability as required to be provided.	To be complied		
	f. Service personnel to attend any fault as soon as possible after receipt of the information, whenever called for (within maximum one month time from the date of intimation)	To be complied		
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/repaired free of cost with minimum down time (One month). 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		

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.