

DETAILS OF THE MACHINE

Name of Machine	Specification	A/U	Qty
(a)	(b)	(c)	(d)
Gauging and Weighing Machine	Gauging and Weighing Machine with all standard and additional accessories as per specification below:	No	1 (One)
	Ser	Parameter	Requirement
	1.	Quantity	1 No.
	2.	Model	To be mentioned
	3.	Country of Origin and Assemble: Group 'B' Countries	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: The machine is designed for weighing, measuring dimensions and checking of full form of cartridges. Weighing and dimensions include complete length high & low, shoulder profile high & low, total cartridge profile, cartridge weight high & low. This machine will also have the capabilities for mouth varnishing, tip coloring, visual inspection of appearance and any other gauging arrangement of a complete cartridge. Complete video clip of machine showing its working principle to be submitted with technical offer.	To be complied
	8.	Input Material: 7.62x54 mm ball & tracer final Cartridge made of GMCS strip and Brass strip.	To be complied
	9.	Output: Finally inspected Cartridge with mouth varnished and tip colored.	To be complied
	10.	Specification:	
a.	Caliber (mm)	7.62x54 mm ball & tracer	
b.	Production Rate (Pcs/min)	85 (Minimum)	
c.	Number of Stations	To be mentioned	
d.	Cartridge length Gauge (mm)	<u>Ball/Tracer Type-53</u> 76.1~76.9 mm	
e.	Cartridge Profile: To comply with the profile Gauge on the working station as per BOF standard product	To be complied	
f.	Case body length : To comply with the profile Gauge on the working station as per BOF standard product	To be complied	
g.	Cartridge weight (gm.)	<u>Ball/Tracer Type-53</u> 21.6~23.4 gm.	
h.	Stroke of the length gauging top punch (mm)	To be mentioned	
	Stroke of the profile gauging (mm)	To be mentioned	
	Stroke of the case body length gauging (mm)	To be mentioned	
j.	Speed of weighing disc (r/min)	To be mentioned	
	Dia of weighing disc (mm)	To be mentioned	
	Weighing rod qty (Pcs)	To be mentioned	
k.	Mouth varnishing speed (r/min)	85	
	Tip coloring (Drying method)	Spiral rod type natural drying	
	Tip coloring (Drying time)	70 sec	
l.	Visual inspection spiral rod pitch (mm)	To be mentioned	
	Visual inspection spiral rod speed (r/min)	To be mentioned	
m.	Hopper (Number and size in mm)	To be mentioned	
n.	Electrical Supply	220/380/440 V, 50 Hz	
p.	Phase	To be mentioned	
q.	Motor Horsepower (Hp)	To be mentioned	
r.	Compressed Air Requirements (psi) (if any)	To be mentioned	
s.	Control Cabinet (availability and size in mm)	To be mentioned	
t.	Overall dimension (LxWxH) mm	To be mentioned	
u.	Net Weight (Kg)	To be mentioned	
v.	Date of manufacturing of the machine to be embossed on the main body	To be complied	
11.	Any Optional Equipment	To be mentioned	
12.	Latest Feature/ Technology	To be mentioned	

(a)	(b)	(c)	(d)																										
13.	Main Machine : a. Basic machine with all standard accessories and attachment. b. Required Tools, Die, Punch will be fitted/provided with the machine c. 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 provided To be provided 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. for 6.5 million production will be supplied with the machine mentioning price & drawing. b. 2 set gauges will be provided with the machine mentioning price & drawing.	To be provided To be provided																											
15.	Port of Shipment: Group 'B' / other Countries (As per country of origin)	To be complied																											
16.	Country of Origin of all major components : Group 'B' Countries a. Motor (Hopper & Main Motor) b. Varnishing Unit c. Weighing System d. Length, Shoulder, Profile Checking System. e. Rejection Segregate / (Visual Inspection). f. Other important Mechanical & Electrical Part. g. Die, punch and gauges including consumption rate.	To be complied To be mentioned To be mentioned To be mentioned To be mentioned To be mentioned To be mentioned																											
17.	Training and Pre-Shipment Inspection at Supplier's Site: a. PSI will be carried out under BOF arrangement by two (02) persons for five (05) working days (excluding journey period). All cost of the PSI to be borne by BOF. b. Supplier must submit details plan of PSI (Modus Operandi). c. Supplier must also mention PSI cost to be borne by them at their end.	To be complied To be provided To be mentioned																											
18.	Installation and Post Installation Requirement at BOF: a. Installation Requirement at BOF. (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. (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. (3) Supplier shall bring all necessary calibration standards and calibration equipment for ensuring the machines accuracy with valid traceability certificates at BOF site. (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: <table border="1" data-bbox="384 1357 1394 1592"> <thead> <tr> <th>Ser</th> <th>Items</th> <th>Responsible (Supplier/BOF)</th> </tr> </thead> <tbody> <tr> <td>(a)</td> <td>(b)</td> <td>(c)</td> </tr> <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</td> <td>Supplier & Foreign Trainer</td> </tr> <tr> <td></td> <td>Repair & Maintenance Training</td> <td>Supplier & Foreign Trainer</td> </tr> </tbody> </table> b. Post Installation Requirement at BOF. (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. (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. (3) Supplier shall bring all necessary calibration standards and calibration equipment for ensuring the machine accuracies with valid traceability certificates at BOF site. (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. c. Software and License. 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.	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	Supplier & Foreign Trainer		Repair & Maintenance Training	Supplier & Foreign Trainer		
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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.</td> <td data-bbox="1190 622 1388 734">To be complied</td> </tr> <tr> <td data-bbox="264 734 331 792">21.</td> <td data-bbox="331 734 1190 792">2 x Operators manual/programming manual in English language must be supplied with the machine.</td> <td data-bbox="1190 734 1388 792">To be provided</td> </tr> <tr> <td data-bbox="264 792 331 851">22.</td> <td data-bbox="331 792 1190 851">2 x Maintenance/Repair manual in English must be supplied with the machine.</td> <td data-bbox="1190 792 1388 851">To be provided</td> </tr> <tr> <td data-bbox="264 851 331 909">23.</td> <td data-bbox="331 851 1190 909">The manufacturer must be provide complete drawing (hard copy & soft copy) of tools, dies, punches, gauges and special part of the machine.</td> <td data-bbox="1190 851 1388 909">To be provided</td> </tr> <tr> <td data-bbox="264 909 331 940">24.</td> <td data-bbox="331 909 1190 940">Supplier should submit original leaflet/ Brochure with the offer.</td> <td data-bbox="1190 909 1388 940">To be provided</td> </tr> <tr> <td data-bbox="264 940 331 972">25.</td> <td data-bbox="331 940 1190 972">Lowest bidder will be selected except clause no -11 of this tender.</td> <td data-bbox="1190 940 1388 972">To be complied</td> </tr> <tr> <td data-bbox="264 972 331 1003">26.</td> <td data-bbox="331 972 1190 1003">Offer Validity : 180 days from tender opening date.</td> <td data-bbox="1190 972 1388 1003">To be complied</td> </tr> </table>	19.	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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.