

TRIPOD ANVIL & PERCUSSION CAP MANUFACTURING PRESS MACHINE
AND
TRIPOD ANVIL INSERTING MACHINE FOR BOX TYPE PURCUSSION CAP

Sl. No	Nomenclature & Specification		A/U	Qty
(a)	(b)		(c)	(d)
	Tripod Anvil & Percussion Cap Manufacturing Press Machine for Box Type Percussion Cap with all standard attachment & accessories as per specification below :		No	01
1.	Specification of the Machine:			
	a.	Space for Die-punch setting of percussion cap	As per Drawing of percussion cap	
	b.	Space for Die-punch setting of anvil	As per Sample of anvil	
	c.	Job Material	Brass	
	d.	Job Dimension	As per Sample & Drawing	
	e.	Number of strokes/min	To be mentioned	
	f.	Work noise level	80 - 85 dB(A) or To be mentioned	
	g.	Compressed air supply	6 bar (if required)	
	h.	Overall dimension	To be mentioned	
	j.	Width And Thickness of the brass Sheet to be fed in the machine	To be mentioned (brass strip coil is preferable)	
	k.	Production Capacity	Minimum 1000 pcs/hour or To be mentioned	
	l.	Power Supply of main motor	To be mentioned	
	m.	Power Supply	To be mentioned	
	n.	Life of Die and Punch	To be mentioned separately for each component	
	p.	List of the additional items with price	To be mentioned	
	q.	Spare parts list for 01 year and 05 years with price	To be mentioned separately	
2.	Country of Origin :	Group B		
3.	Country of Manufacturing & Assembly :	Country of Origin		
4.	Country of Main Component :	Country of Origin		
5.	Country of Shipment :	Country of Origin		
6.	Conditions:			
	a. The following manuals to be provided:			
	i. Operator/User manual.			
	ii. Operation, Repair and Maintenance manual.			
	iii. Diagram of Mechanical, Electrical, Pneumatic and Electronics system used in the machine to be included in the manual in details.			
	iv. Parts Catalogue.			
	b. Year of manufacturing of machine should not be before the year of signing the contract. The year should be embossed in the main body.			
	c. Sheet to be drawn automatically.			
	d. The supplied machine should be capable of producing anvil & percussion cap as per attached sample.			

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	<p>e. installation, trial run operational and maintenance training,(07 Days) is to be provided by the supplier at BOF site. Also trial production of at least 1,00,000 numbers of tripod anvil & percussion cap as per attached sample at BOF site should be given by the machine supplier. Required raw materials for 1,00,000 numbers trial production (for tripod anvil & percussion cap each) will be provided by supplier. Separate price offer to be submitted by supplier.</p> <p>Following information must be as under for local training :</p> <table border="1" data-bbox="209 465 965 580"> <tr> <td data-bbox="209 465 268 495">a)</td> <td data-bbox="268 465 392 495">Training</td> <td data-bbox="392 465 737 495">Details</td> <td data-bbox="737 465 965 495">Supplier's opinion</td> </tr> <tr> <td></td> <td data-bbox="268 495 392 524">Local Training</td> <td data-bbox="392 495 737 524">Trainer Type (Local/Foreign)</td> <td data-bbox="737 495 965 524"></td> </tr> <tr> <td></td> <td></td> <td data-bbox="392 524 737 553">Number of Trainer</td> <td data-bbox="737 524 965 553"></td> </tr> <tr> <td></td> <td></td> <td data-bbox="392 553 737 580">Training Schedule</td> <td data-bbox="737 553 965 580"></td> </tr> </table> <p>f. Required tools, gauge & die-punch for 2.5 million production (for each item) should be supplied along with the machine.</p> <p>g. Separate list with price of tools, gauge & die-punch for 2.5 million production to be submitted with the offer.</p> <p>h. Necessary support of heat and surface treatment will be given by BOF. Supplier should provided heat and surface treatment procedure.</p> <p>j. Supplier must submit Local training plan along with the offer.</p>	a)	Training	Details	Supplier's opinion		Local Training	Trainer Type (Local/Foreign)				Number of Trainer				Training Schedule			
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7.	Conditions:																		
	<p>a. Following document should be provided along with the offer:</p> <p>(1) Separate price offer for machine with required standard attachments, accessories, hand tools, standard control unit & PLC based software or latest version software.</p> <p>(2) 01 (one) spare set of PLC, cards, sensors and other related items should be supplied with the machine and separate price list should be provided along with the offer.</p> <p>(3) List of standard and optional attachment, accessories and hand tools.</p> <p>(4) The manufacturer's name and address must be mentioned in the offer if the principal/firm is a Trading House/General Order Supplier.</p> <p>(5) Certificate of assurance of appointed dealer from original manufacturer along with dealership certificate for supply of offered stores is to be provided, if the principal is a Trading House/General Order Supplier.</p> <p>(6) Certificate of authority by the principal about appointment of local agent with the authority of signing the contract on behalf of principal should be provided with the offer.</p> <p>(7) Brochure/Leaflet of the machine and other accessories should be provided.</p> <p>(8) List of vendor items (if any) should be provided.</p> <p>(9) Separate price offers for each optional attachment, accessories, spares and the items mentioned in the indent should be provided.</p> <p>(10) First-moving spare parts for the machine should be provided with machine and list including price should be submitted by the bidder with the offer.</p> <p>(11) Detail specification of all mechanical, electrical and electronic components should be provided.</p> <p>b. Following documents should be provide along with the machine:</p> <p>(1) 02 copies operation, program, repair and maintenance manual (must contains electrical, electronics, control and hydraulic cum pneumatic diagram) in English (hard and soft copy) will have to provide along with the machine.</p> <p>(2) Soft and hard copy of machine software with upload and download procedure should be provided with the machine.</p> <p>(3) Software and firmware with necessary cable to be provided for future use in the new PLC and HMI.</p>																		

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8.	Training should include following subjects :		
	a. Operational training		
	(1) Basic machine operation, familiar with different parts with their functions.		
	(2) Production related all data entry and related know-how.		
	(3) Basic trouble shooting with safety/security related matters.		
	b. Technical and maintenance training		
	(1) Operation of mechanical, hydraulic, pneumatic, electrical and electronics system.		
	(2) Control system with PLC and HMI.		
	(3) Program loading, unloading in the existing PLC/HMI and future PLC/HMI if needed.		
	c. Cost of lodge & food for the supplier's expert during the time of training should be mentioned in the offer.		
	d. Civil work for necessary foundation of machine will be done by BOF with the technical assistance of machine supplier. Installation and trial run should be done by the supplier within 30 days after acceptance the machine by BOF		
9.	Warranty/guarantee:		
	a. Warranty/guarantee for 01 (one) year after acceptance to be provided by the manufacturer for replacement of defective/faulty parts or any break down of the machine during warranty/guarantee period operation at free of cost.		
	b. Five years warranty will have to be provided by the manufacturer for ensuring the supply of spare parts with escalation increment of price per year.		
10.	Other Condition		
	a. All bidders (Foreign/ Local) need to give presentation on technical and financial matters at BOF		
Tripod Anvil Inserting Machine for Box Type Percussion Cap with all standard attachment & accessories as per specification below :		No	01
1	Specification of the machine		
	a. Pressing capacity of machine	Minimum 188 pcs of percussion cap per stoke or To be mentioned	
	b. Job Dimension	As per Drawing / Sample	
	c. Number of strokes/min	To be mentioned	
	d. Work noise level	80 - 85 dB(A)	
	e. Compressed air supply	6 bar (if required)	
	f. Tools & Die	Charging plate, charging punch and any other accessories required for inserting (to be mentioned)	
	g. List of the additional items with price	To be mentioned	
	h. Life of Die and Punch	To be mentioned	
	i. Spare parts list for 01 year and 05 years with price	To be mentioned	
2.	Country of Origin :	Group B	
3.	Country of Manufacturing & Assembly :	Country of origin	
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9.	<p>Warranty/guarantee:</p> <p>a. Warranty/guarantee for 01 (one) year after acceptance to be provided by the manufacturer for replacement of defective/faulty parts or any break down of the machine during warranty/guarantee period operation at free of cost.</p> <p>b. Five years warranty will have to be provided by the manufacturer for ensuring the supply of spare parts with escalation increment of price per year.</p>		
10.	<p>Other Condition</p>		
	<p>a. All bidders (Foreign/ Local) need to give presentation on technical and financial matter at BOF.</p>		
11.	<p><u>Pre-Shipment Inspection (PSI):</u></p> <p>(i) PSI of the machine will be carried out by 03 BOF Persons for 05 working days (Excluding journey period). All cost of the PSI to be borne by BOF.</p> <p>(ii) Supplier must submit details plan of PSI (Modus Operandi).</p> <p>(iii) Supplier must also mention PSI cost to be borne by them at their end.</p>		

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	12. Foreign Training : Machine operation with maintenance training for 03 BOF persons for 05 working days (excluding journey period) to be provided at machine manufacturer site. Air ticket & Pocket money will be borne by BOF for both of the machines. Others costs like Tuition fee for training, food, accommodation, all internal travel & medical (if needed) costs to be provided by supplier. Supplier must submit foreign training plan along with the offer.		
	13. All items are treated as a package and offer to be submitted as package.		

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.**