

Specification

Serial	BOF Requirements
1.	Name of Item: Optical Sight for 60 mm Mortar with Tools, Accessories and Catalogue Type-1963 (Complete Set) and Quantity: 700 Nos.
2.	<u>Technical Specification:</u> a. Model: To be mentioned. b. Type: To be mentioned. c. Name of manufacturer with complete address and contract information: To be mentioned. d. Country of manufacturer: To be mentioned. e. Name of Principal with complete address and contract information: To be mentioned. f. Name of Local Agent with complete address and contract information: To be mentioned. g. Source of Supply: To be mentioned. h. Year of production: Not before the calendar year of contractual date. i. Magnification: $\geq 1.9X$, Real time. j. Field of view: $\geq 10^\circ$ k. Exit pupil dia: ≥ 3.8 mm l. Eye relief: ≥ 19 mm m. Reticle: Crosswire n. Objective lens diameter: To be mentioned. o. Resolution: $\leq 25''$ p. Diopter adjustment of the ocular: $(-0.5) \sim (-1.5)$ q. Range of horizontal sighting: $\geq \pm 02-00$ mil r. Angle of inclination in vertical plane: $\geq \pm 20^\circ$ s. Angle of elevation: 45° to 87° t. Coarse scale: To be mentioned u. Precise scale: To be mentioned v. Parallax: $\leq 2'$ w. Weight: To be mentioned x. Dimension: To be mentioned y. Mount or interface with the weapon: Dovetail Tenon z. Graduation (Mils): To be mentioned aa. Illumination: To be available under low visibility condition (in dusk or night) included in the sight. bb. Power Source (Volt, Capacity, Type and Quantity): Detail to be mentioned. cc. Following Spares, Standard tools and Accessories must be supplied with each Optical sight: (1) Sight 1 set (2) Carrying case 1 pc (3) Spare eye guard 1 pc (4) Spare bubble 2 pcs (5) Clock screw 1 Number (6) Screw 1 Number (7) Hair brush 1 pc (8) Flannelette 100x100 mm 1 pc dd. Original Brochure/ Catalogue: To be submitted and data sheet of optical sight must be provided with the stores. ee. Compatibility: Must be compatible with 60mm Mortar.

3.	<u>Books and Publications:</u>	
	Nomenclature	Technical Data
	a. Owners/Operators manual in English (Complete set book type)	01 Copy for each
	b. Parts catalogue in English (Complete set book type)	01 Copy for each
	c. Repair/Workshop manual in English (Complete set book type)	01 Copy for each
4.	In addition to the above, all other items which are not mentioned but required for full range of operation are to be supplied free of cost	
	List to be provided	

Other Conditions.

- a. **Country of Origin:** Any Country. In case the country of origin is China, the following conditions must be complied:
- Foreign Principal must be a Military Trade Enterprise Authorized by the Government of the People's Republic of China.**
 - The quality of Material/ Components/ Parts must be Military Grade from any enlisted government factory.**
- b. HS Code: To be mentioned.
- c. Offer Validity: To be mentioned (Minimum 180 Days from the date tender opening).
- d. **Pre-Shipment Inspection (PSI).**
- 3 (Three) members {2 (Two) members from BOF and 1 (One) member from IE&I} for a period of 3 (Three) workings days (Excluding journey period).
 - Supplier must submit detail plan of PSI (Modus Operandi).
 - If PSI is not carried out by the buyer due to any Force Majeure, then the Quality Assurance Certificate (QAC) original hard copy signed by the appropriate authority of the Quality Control Department of the manufacturer as per Annex H will have to be submitted at BOF end for obtaining Shipment Clearance. In this case, 60% LC value will be paid after shipment and remaining 40% LC value will be paid after final acceptance of the item by BOF inspecting authority.

TERMS AND CONDITIONS.

Supplier must mention their compliance on the following mentioned points:

- The quoted price must be excluding CD and VAT.**
- 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.
- 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.
- 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 G.**
- Before signing the contract, 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 E).
- 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 F, **otherwise administrative action will be taken against the principal and local agent.**
- The stores should be supplied to BOF at supplier's cost.
- If the supplier fails to deliver the stores within the stipulated period, the followings will be applicable:
 - Cancel the contract and/or,
 - Decision at the discretion of BOF.
- 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.
- The Supplier must submit the following attested documents with the schedule:
 - Trade License.
 - Tin Certificate.
 - Up to date VAT Registration certificate.

Terms and Conditions

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1.	Source of Supply: Abroad
2.	Brand/Model/Type: To be mentioned
3.	Country of Origin: To be mentioned
4.	Country of manufacturer/ Assembly : To be mentioned
5.	Authority Holding Sealed Particulars (AHSP): Chief Inspector (CI), Inspectorate of Armament & Explosive (IA&E) and Chief Inspector (CI), Inspectorate of Electronics & Instruments (IE&I) or his authorized representative
6.	Inspecting Authority: Chief Inspector (CI) of Inspectorate of Electronics & Instruments (IE&I) or his authorized representative.
7.	Port of Shipment: Must be made from the country of origin.
8.	Transshipment: Not Allowed (if direct flight/ ship is available)
9.	Part Shipment : Not Allowed
10.	2xAdvanced sample of Optical Sight must be sent to BOF for live firing test within 45 days after signing of contract. The bulk products will be produced after acceptance of the advanced sample by the inspection team (Both IE&I and BOF) and confirmation of BOF.
11.	<u>Pre-Shipment Inspection (PSI).</u> a. <u>Place of Inspection:</u> At manufacturing plant {if desired by Bangladesh Ordnance Factories (BOF)}. b. <u>General:</u> Pre-Shipment Inspection (PSI) will be carried out jointly by BOF and Inspectorate of Electronics & Instruments (IE&I) at the discretion of BOF authority. The team may be comprised of 03 (Three) members {02 (Two) members from BOF and 01(One) member from IE&I} for a period of 03 (Three) working days excluding journey period. The cost incurred by BOF PSI members will be borne by BOF and cost of IE&I PSI member will be borne by Bangladesh Army. Supplier will inform about the date of PSI at least 08(Eight) weeks to 15(Fifteen) weeks (in respect of time required for obtaining visa of respective country) prior to the exact date of carrying out of PSI. c. <u>Inspection Procedure:</u> (1) PSI will be conducted as per PSI criteria according to technical specification and terms and condition of the contract. The PSI inspection criteria for the item concerned will be forwarded on receipt of inspection schedule from the supplier. (2) Co-ordination conference and discussion on the PSI with manufacturer, principal, local agent will be held on first day before PSI starts. (3) The team will carry out PSI at the manufacturer factory premises. (4) PSI team will carry out 100% visual inspection of Fire Control Instrument (FCI) as per contract. (5) All technical parameters will be checked one by one as mentioned in the criteria. Quality assurance certificate (QAC) will be provided by the manufacturer for the parameters which will not be shown to PSI team (If Accepted by PSI Team). (6) PSI team will confirm country of origin. Manufacturer and assembly including the year of production of item/assembly through physical inspection, checking of related documents and functional test. Manufacturer will assist in all aspects. (7) Supplier will confirm well before if there is a requirement to carry out some test in some other testing company. The details of the facility with address must be informed while submitting PSI schedule. (8) The supplier will arrange visit to other factories for those items which are out sourced within the same visited country. (9) PSI team will check the spares, Special Service Tools (SST). Special Service Materials (SSM) tools, accessories and publications as per contract.

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	(10) PSI team will check the original customer order, data sheet, address of factory and manufacturer shipping documents including invoice and bill of lading in support of imported/ outsourced items. Supplier must assist in all aspects. (11) For items could not be shown during PSI will be supported by QAC by manufacturers to principal and will be handed over to the inspection team during PSI.
12.	<u>Administrative Issues.</u> a. All necessary facilities needed for inspection and operational test are to be arranged by the supplier. b. All types if movement/ transportation (Air/Sea/Rail) of PSI team within the country/concerned area for the inspection are also to be arranged by the supplier at their cost. c. Interpreter support to be provided to the PSI team, to interpret or make the team understand about the technical terms (as applicable). d. All necessary secretarial support (Typing and Printing Facilities) to the PSI team is to be arranged by the supplier for the preparation of report. e. A PSI report will be prepared and will be signed by the competent representatives of Manufacturer, Principal, Local agent and Buyer.
13.	<u>QUALITY ASSURANCE CERTIFICATE (QAC).</u> If PSI is not carried out, shipment clearance will be given on acceptance of Quality Assurance Certificate (QAC). Original QAC by Quality Control Department of Manufacturer to be submitted as per Annex G.
14.	<u>Joint Post Shipment Inspection (JPSI).</u> a. <u>General.</u> Joint Post Shipment Inspection (JPSI) will be carried out representative of Inspectorate of Electronics and Instrument (IE&I), representative of Local agent, representative of manufacturer's expert (If Required), representative of user unit and representative of consignee. At the time of visual inspection representative of Shadharan Bima Corporation (Surveyor) will remain present. Date of JPSI (Visual and Operational/ Field Test) will be decided by BOF. Following representative will be present and carry out JPSI: (1) Representative of PSI team (As Applicable). (2) Representative of Inspectorate of Electronics and Instrument (IE&I). (3) Representative of User unit (If Detail). (4) Local agent. (5) Manufacturer's expert (If Available). (6) Consignee. (7) Shadharan Bima Corporation (Surveyor). b. The inspection will be conducted in following 3 phases during of the inspection will be fixed by the purchaser. (1) Visual inspection. (2) Laboratory/Environment Test. (3) Functional test/Field test. c. <u>Visual Inspection:</u> Visual inspection of 100% stores (Main Equipment along with all associated tools, accessories and publication) will be carried out. During visual inspection following parameters will be checked: (1) Brand and Model. (2) Country of Origin and Manufacture. (3) Year of production. (4) Part number/Serial number. (5) Any damage/crack etc. (6) All certificates (As Applicable). (7) Measurement and weight etc. (If Applicable). (8) Shape and Size etc. (9) Packing and Marking as per contract. (10) Quality as per contract. (11) Any other if dammed necessary by inspection team.

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	d. <u>Inspection Conditions.</u> (1) The local agent to coordinate with BOF to start the process of clearance for their foreign expert (If Required) well in advance. (2) All parameters of contracted technical specification will be checked one by one. (3) The supplier will provide necessary facilities, tools and gauge, any others item and transport support required to show the parameters during various test (Lab, Field and Technical Test) of the equipment's free of cost. (4) Final inspection Note (I/Note) will be issued after being successful completion of inspection and supply of all contracted stores as specified in the contract. (5) If any item found defective and not in accordance with contracted specification during post shipment inspection, the supplier/ manufacturer will replace at their own cost within 6 (Six) months of the case arises. The warranty period of the stores will be 12 (Twelve) months from the date of issue of 'Inspection Note'. (6) After completion of Post-Shipment Inspection, a joint inspection report will be prepared and signed by the representatives of all concerned. e. <u>Functional/Field Test:</u> Functional/Field test will be carried out at the place pre-selected by BOF. Field test will be carried out (any quantity) at user end. All the technical parameters as applicable and desired by the purchaser will be tested during functional test. The equipment may be tested in all weather conditions. The team will check the functional ability of Fire Control Instrument (FCI) items fitted with the Mortar during live fire. Acceptance will be given after successful functional test.
15.	a. <u>Packing.</u> (1) The store will be packed as per internationally accepted package/ boxes/ container. (2) The packing box (package) will moisture proof, suitable for easy handling, storage and transportation. The store will be securely packed with sea worthy packing and clearly marked for safe transit by Air/ Sea. (3) Packing material to be such that it will not be affected by damp, insects or any other harmful material during storage up to the shelf life of the store i.e. (Minimum 20 Years). The manufacturer will give a certificate to this effect while submitting stores. b. <u>Marking on the Packing Box.</u> (1) Following marking to be stenciled on the top of the boxes: (i) Commandant Bangladesh Ordnance Factories (BOF) Gazipur Cantonment, Gazipur-1703 BOF BIN No. 002555312-0103 Commanding Officer (C/O), Army Embarkation Unit Double Mooring, Chattogram, Bangladesh (ii) Contract Number and Date. (2) Following marking to be stenciled on the front side of the boxes: (i) Full nomenclature of the stores. (ii) Lot number and year of manufacture. (iii) Dimension of the box. (iv) Net weight of the equipment. (v) Gross weight of the box. (3) Following marking to be stenciled on the left or right side of the boxes: (i) Package number: 1/100, 2/100 and so on. (ii) Country of Origin.

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16.	Conditions: a. Authorization certificate (Original) in favour of Principal by the Original Equipment Manufacturer (OEM) to be submitted along with the offer. b. Authorization certificate (Original) in favour of local agent by the principal to be submitted along with offer. c. The following certificate must be provided by the Manufacturer, Principal and Local Agent with the offer: (1) Manufacturer's certificate confirming country of origin. (2) Manufacturer's certificate confirming country of manufacture. (3) Same/similar model of equipment will be available for next 10 years (Certificate by Manufacturer). (4) Spares will be available for at least next 15 years (Certificate by Manufacturer). (5) Urgent spare parts to be made available by the principal to user within 30 days of placing the demand subject to stock holding. In case stock is not readily available immediate action will be taken on priority to manufacture/procure the same and will be supplied at the earliest (Certificate by Principal). (6) After sales service will be available with the local agent of the supplier and is to be provided as and when required for at least next 10 years (Free of charge up to guarantee period and thereafter with payment) (Certificate by Principal and Local agent). (7) Rejected store will be replaced free of cost at the supplier's expense. (8) Supplier will provide manufacturer's certificate with the offer, mentioning "The item/items found defective and not in accordance with the specifications will be replaced free of cost. (9) Manufacturer's certificate showing year of production to be submitted along with the offer and manufacturer will also confirm that, all components of the equipment will be unused (Brand New) and Equipment manufactured not before the contracted Calendar Year. (10) Certificate must be submitted by the supplier/manufacturer along with the offer confirming climatic suitability in Bangladesh. (11) Manufacturer's certificate will be given under-taking that they will provide parts change list for items on routine basis till the equipment is use in Bangladesh (BD) Army and supplier must also intimate well in advance if further production of the item is discontinued.
17.	Make/Model/Type and production year of equipment must be mentioned in the offer/ quotation.
18.	One set of necessary shipping documents (Bill of Lading/Airway Bill, Commercial Invoice, Packing list, Certificate of Origin from the competent authority of exporting country, Manufacturer Inspection and Warranty certificate, Freight voucher etc.) must be submitted to BOF.
19.	<u>Warranty/Guarantee by Manufacturer, Principal and Local agent.</u> Certificate has to be submitted along with the offer. a. A warranty/Guarantee certificate has to be provided for the equipment's/items for a trouble free service of 12 months. The warranty period to be counted from the date of receipt of equipment's / items by the consignee after acceptance by IE&I. b. If any defect/discrepancies arises during fitting in the respective equipment's/ stores within warranty/ guarantee period after receipt by consignee/user unit, that must be repaired/ replaced (as applicable) free of cost (CFR/CPT/FOB Chattogram/ Dhaka as the case may be). c. Warranty/Guarantee will be furnished for spares mentioning as "If the spares are not fitted in the respective equipment then the spares will be replaced free of cost". d. The firms supplying equipment's/items on warranty will identify these by attaching a warranty label/ disc or stenciling this by indelible (permanent) paints on the equipment/ items as shown below: (1) Warranty: From -----To -----. (2) Contact Number and Date (3) Supplier's Name.

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20.	<u>Original Proforma Invoice and Original Brochure/Catalogue.</u> a. Original offer and Proforma Invoice must be submitted in letter head pad of Manufacturer/ Principal duly signed and sealed at every pages. Name, designation, telephone No, Fax No. E-mail address, website and mailing address of signatory must be mentioned. b. Original brochure/catalogue of offered model with proper marking and signed must be submitted along with the offer. c. Offered technical specifications must be confirmed to the specifications mentioned in the submitted brochure/ catalogue. Fax/Photography of catalogue/ brochure will not be considered during technical vetting. d. Hand written offer and hand written certificate will be directly rejected. It must be typed or computer printout in original letter head pad of the Manufacturer/Principal/Local Agent (As Applicable) with sign and seal of proper signing authority. e. Tempered offer will be directly rejected.
21.	The offered price should include both FOB and CFR (Chattogram/CPT (Hazrat Shahjalal International Airport)).
22.	Transit accounting card (TAC)/Identification card comprising part number and nomenclature of stores along with supply of spare parts must be provided in English language.
23.	<u>Inspection and testing Facilities.</u> The Supplier/Local Agent shall pay all costs connected with the inspection and will provide without extra charge, all material, tools, instruments, labor and assistance etc. of every kind which the inspector may consider necessary for the inspection. Supplier and Local Agent shall also provide and deliver free of charge at such place as the inspector may direct, such materials as he may require for test. Cost of any laboratory tests shall be borne by the Supplier/Local Agent.
24.	Technical specification and all terms and condition with tender form must be filled up by the Local Agent, Principal and Manufacturer (As per guide line/ instruction against each Annex) and must be submitted with the offer.
25.	No deviation from the contracted specification after signing the contract will be accepted during Pre-Shipment Inspection and Post-Shipment Inspection.
26.	Deviation from the above mentioned terms and conditions and any conditional offer will not be accepted during technical vetting.
27.	Any defect/damage/pilferage or discrepancies arise during transportation will be repaired/ fulfilled by the Supplier/ Local Agent.