

RESTRICTED

ANNEX A TO
BOF TENDER NO 23.27.0000.167.188.3256105.25.26
DATED 20 JANUARY 2026

SPECIFICATION

Serial	Nomenclature	A/U	Quantity
1.	Hard Steel Ball a. Size: (i) Dia: 1.8~2.29 mm (Small Size), Quantity- 1,00,000 Kg. (ii) Dia: 2.3~2.9 mm (Big Size), Quantity- 50,000 Kg. b. Weight of Hard Steel Ball (5000±5% Number) will be 270±10 gm. (i) Chemical Composition. Carbon: 0.35% ~ 1.50%. (ii) Physical: a. Rust free. b. Good surface finish. c. Should remain intact after firing. (iii) Grade. Commercial Grade.	No	1,50,000
Condition: a. Country of Origin : Group A Countries. b. Name of Principal : To be mentioned. c. Name of Manufacturer : To be mentioned. d. Country of Origin : To be mentioned. e. Port of Shipment : To be mentioned. f. Offer Validity : 180 days from tender opening date. g. Delivery Time : 180 days or earlier from the date of signing contract.			

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 principal/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 Bank 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 regard 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 as per the specification and the terms of the contract 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.**

GENERAL REQUIREMENTS AND OTHER TERMS AND CONDITIONS OF HARD STEEL BALL

1. **General Requirements.**

- a. Hard Steel Ball must be brand new, have good surface finished, free from all defects (i.e impurities, free from rust, free from hollow) and should be suitable for manufacturing Grenade Hand HE BD-20. Certificate should be provided to this effect by the manufacturer along with the offer and store.
- b. The store must be suitable for use in tropical climate. Certificate should be provided to this effect by the manufacturer along with the offer and store.**
- c. **The year of manufacture of the store should be current year i.e. contracted calendar year.** Certificate should be provided to this effect by the manufacturer along with the offer and store.
- d. The store should be safe in storage, transportation etc. and should not cause any health hazard. Certificate should be provided to this effect by the manufacturer along with the offer and store.
- e. Guarantee Certificate for supply of store as per offer to be provided by the manufacturer along with the offer and store.
- f. Warranty and Shelf Life Certificate by the manufacturer as mentioned below should be furnished along with the offer and store.

(1) **Warranty Certificate.** The store supplied is brand new, solid, free from impurities, free from rust, free from hollow, good surface finish and that in the event of any shortage, defects/damages being found after inspection the store should be replaced by the supplier at their own cost within **06 (six) months** of the case arises. The warranty period of **the store will be 12 (twelve) months from the date of issue of "Inspection Note"** by IA&E. If any small/big size, powdered, rusted or hollow steel ball found then the supplier should replace the defective Hard Steel Balls at their own cost within six months of the case arises.

(2) **Shelf Life Certificate.** **The Shelf Life of the Hard Steel Ball will be 10 (ten) years from the date of manufacture.** If the Hard Steel Ball is found defective within the shelf life, **the Hard Steel Ball must be replaced by the supplier at their own cost within 06 (six) months as the case arises.**

- g. Chemical test should be carried out during Pre Shipment Inspection (PSI) in presence of PSI Team. Obtained result should be attached with PSI report.
- h. Packing Material to be such that it will not be affected by rust, damp, insects or any other harmful material during storage up to the shelf life. Certificate should be provided to this effect by the manufacturer along with the offer and store.
- j. Hard Steel Ball should be preferably of 01 (one) lot but not more than 02 (two) lots.
- k. All markings and other details should be in English Language.
- l. All certificates and letters of authorization should be original in English Language.
- m. Quality Control and Inspection Certificate by the authorized Quality Control Department of manufacturing country must be provided along with the store.
- n. IA&E will issue final Inspection Report within one month after receipt the store at Consignee's end provided the Visual Inspection and Test Firing is satisfactory and the case of clarification/ replacement, (if any) is settled as per Visual Inspection and Test Firing report. **Part Inspection Note will not be issued.**

2. **Catalogue/Brochure.** Original Catalogue/Brochure having technical information in English Language should be provided by the manufacturer along with the offer. Laminated/Computer Printed Catalogue/Brochure is not acceptable. Chemical composition of the store should be mentioned in the offer.

3. **Tender Sample.** **11 Kgs Hard Steel Ball (Small Size 70% and Big Size 30%) should be submitted for necessary chemical, mechanical/ visual and functional test.**

4. **Packing.**

- a. **25 Kgs Hard Steel Ball should be packed in double lined Heavy polythene bag.** Such 02×bag should be kept in a drum with air tight rust free bag. The drum should be provided such as for easy handling, suitable for storage and transportation.

- b. A Packing List/Note showing lot details and number of drums against each lot should be furnished in each drum.
- c. The stores are to be securely packed with sea worthy packing and clearly marked for safe transit by air/sea/road/rail. The packing and marking will be done by the supplier in such a manner that the stores will not be affected by sea water, rust, rain water, and damp weather during transportation.

5. **Marking on the Packing Box.**

- a. Following marking to be **stenciled on the top of the drum.**
 - (1) Consignee: Commandant, Bangladesh Ordnance Factories, Gazipur Cantonment, Bangladesh.
 - (2) Contract number and Date:
 - (3) Package number: 01/100, 02/100 and so on.
- b. Following marking to be **stenciled on the front side of the drum :**
 - (1) Full nomenclature of the store.
 - (2) Quantity of store packed.
 - (3) Lot number and year of manufacturer, and factory.
 - (4) Dimension of the drum.
 - (5) Net weight.
 - (6) Gross weight.
 - (7) Country of Origin.

6. **Pre-Shipment Inspection (PSI).**

- a. PSI will be carried out jointly by BOF and Inspectorate of Armaments & Explosive (IA&E) 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 IA&E}** for a period of **05 (Five) working days** excluding journey period. Supplier should inform about the date of PSI at least **12 (Twelve) 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.
- b. All types of movement/transportation (air/sea/road/rail), medical (if required) of the team within the manufacturer's country, reception and arrangement for entry into the country/concerned area for the PSI are also to be arranged by the supplier.
- c. Interpreter detailed by supplier for the PSI team should be competent enough to interpret the technical terms (as applicable).
- d. Provide necessary secretarial support (typing and printing facilities) to the PSI team.
- e. The PSI will be carried out at manufacturer's production plant/factory. PSI should include 100% visual inspection, functional/ laboratory/chemical test and inspection of production line of same/similar type of equipment (if required). All equipment and facilities of test should be provided by the supplier. **PSI team will check the parameters of the item as per technical requirements of the contract.**
- f. PSI team will accept the stores provisionally, if the stores are found as per contractual requirement. PSI report will be vetted by both the vetting committee of BOF and IA&E.
- g. If any deficiency/discrepancy found during vetting of PSI report, then deficiency/discrepancy items will be filled up or rectified by the supplier and will forward completion certificate to BOF. Then shipment clearance will be given by BOF. After necessary rectification 2nd PSI may be held, if deficiency/discrepancy items are major in nature. In that case supplier will bear all PSI cost including Daily Allowance (DA) of the PSI team members.
- h. If any PSI is not carried out by purchaser than the report of **"Quality Assurance Department" of manufacturing country** will be considered as PSI report. This report should be provided before shipment. **Shipment should be done after receiving shipment clearance from BOF. If the stores are rejected during post shipment inspection the stores to be replaced by supplier at supplier's own cost.** The QAC to be provided as per format attached as Annex - H.

7. **Post-Shipment Inspection:**

- a. IA&E will carry out the various test of Hard Steel Ball.
- b. 15 Grenade Hand HE BD-20 will be manufactured using supplied Hard Steel Ball at BOF end and these Grenades should be fired for functional performance. Hard Steel Ball should remain intact after firing.

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8. **Technical Manual.** 03 Copies of Technical Manual of Hard Steel Ball containing storage, inspection and maintenance to be provided by the supplier at free of cost. Technical Manual should contain detail description of the Hard Steel Ball in English Language.
9. **Authority Holding Sealed Particulars.** CI, IA&E, Gazipur Cantonment.
10. **Inspection Authority.** CI, IA&E, Gazipur Cantonment or authorized representative.
11. **Part-Shipment Inspection.** Not allowed.
12. **Transshipment.** Not allowed.
13. **Inspection Certificate.** Final Inspection Certificate from the manufacturer should be provided along with the store by the supplier.
14. **Country of Origin.** Group A Countries.