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TENDER SPECIFICATION OF BALLISTIC HELMET (NIJ LEVEL IIIA)

1. **Name of the Item.** Ballistic Helmet (NIJ Level IIIA).
2. **Purpose.** The Ballistic Helmet will be used by BN personnel as a headgear to protect from fatal impacts, bullets, shrapnel and fragments during naval operations.
3. **Quantity.** 500 in no (Medium-400 in no & Small-100 in no)
4. **Year of Manufacture.** 2026 or later.
5. **Brand/Model.** To be mentioned.
6. **Name of Manufacturer.** Name and full address is to be mentioned.
7. **Country of Origin.** Australia, Canada, China, Denmark, France, Germany, Greece, Italy, Japan, Netherlands, Norway, South Korea, Singapore, Spain, Sweden, Turkiye, USA, and UK.
8. **Manufacturing Country.** Australia, Canada, China, Denmark, France, Germany, Greece, Italy, Japan, Netherlands, Norway, South Korea, Singapore, Spain, Sweden, Turkiye, USA, and UK.
9. **Supplier/ Local Agent.** The name and full address of the supplier/ local agent must be mentioned.
10. **Qualification of Bidder.**
 - a. Only an Original Manufacturer (the Manufacturer), or an authorized dealer on their behalf, can submit quotation through an authorized agent (i.e. the Bidder) in Bangladesh. Offers from multiple manufacturers may be allowed through such an authorized agent in Bangladesh.
 - b. **Certificate/Document of Authentication.** The Bidder must provide following original certificate(s)/document(s) with the offer to authenticate genuineness of source and item(s) in order to establish chain of links from the original Manufacturer to the Bidder:
 - (1) 01 (One) in number certificate/document by the Manufacturer in favour of the Bidder (in case the Manufacturer is the Direct Source).
 - (2) 02 (Two) in number certificates/documents, 1st one by the Manufacturer to Authorized Agent and 2nd one by the Authorized Agent to the Bidder (in case the Manufacturer's Authorized Agent/ Seller is the Immediate Source).
 - (3) 03 (Three) in number certificates/documents, 1st one by the Manufacturer to Authorized Agent/Dealer, 2nd one by the Authorized Agent to Sub-Agent/ Seller and 3rd one by the Sub-Agent/Seller to the Bidder (in case the Sub-Agent/ Seller is the Immediate Source).
 - c. **Export License.** Obtaining 'Export License' for the sale of Ballistic Helmet (NIJ Level IIIA) will be the responsibility of the Bidder (BN will provide 'End User Certificate'). The Bidder must clearly mention this in the offer; otherwise, the offer will be deemed incomplete and disqualified.

11. **Scope of Supply.**

- a. 500 in number Ballistic Helmet (NIJ Level IIIA) (Medium: 400 in no and Small: 100 in no) (as per para 12-13).
- b. Test/ Trail and Acceptance (as per para 28).
- c. Documentations (as per para 22).

12. **Description.**

- a. A multi – layer, light weight, high performance helmet that protects the user head against impact and ballistic hazards during naval operations.
- b. The layers will be a combination of aramid and ballistic polyethylene. The helmet includes a harness assembly which is a combination of head harness made of foam cushioned leather headband and chin strap.
- c. All portions of helmets must be fulfill the requirement of National Institute of justice (NIJ) Level IIIA.

13. **Technical Specification.**

- a. **Shell Material** : Hybrid Aramid and Ballistic Polyethylene.
- b. **Thickness of Shell** : 8 mm (Approx).
- c. **Size.**
 - (1) Medium (Head circumference) : 55 cm – 58 cm.
 - (2) Small (Head circumference) : 52 cm – 55 cm.
- d. **Shell Dimension.**
 - (1) Medium : 270 mm x 248 mm x 175 mm (L X B X H).
 - (2) Small : 258 mm x 237 mm x 170 mm (L X B X H).
- e. **Total Weight.**
 - (1) Medium : Maximum 1.445 kg.
 - (2) Small : Maximum 1.316 kg.
- f. **Colour** Black/Olive Green/ Desert Green. Additional cloth cover (Digital Combat Cloth of BN uniform) may be added as essential item with each unit.
 - (1) Outer cover cloth of the Helmet being tightly connected with digital combat color cloth.
 - (2) The end of the helmet covering fabric must be will secured with Velcro around inside the helmet.
 - (3) Fabric: 100% polyester or Nylon Fabric washable (Digital combat cloth of BN uniform).

Color of Digital Combat print:

Ser	Color	PANTONE Color Name	PANTONE Number
1.	Grey	Sharkskin	17-3914 TCX
2.	Deep Ocean	Stargazer	19-4316 TCX
3.	Olive	Urban Chic	19-5004 TCX
4.	Dark navy	Dark Sapphire	19-4020 TCX
5.	Printed as per approved BN Pattern		

g. **Overall Shape and Design.** As per BN sample.

h. **Minor deviation on technical specification may be accepted by ensuring quality.**

14. **Shelf Life.** The minimum shelf life of the Ballistic Helmet (NIJ Level IIIA) must be 10 years. A Shelf-Life Certificate from the manufacturer should be provided with the offer.

15. **Ballistic Test.** The sample of Ballistic Helmet one randomly selected will be tested for resistance to ballistic penetration and Back Face Deformation (BFD). Complete penetration of Ballistic Helmet or designated depth measurement of Back Face Deformation (BFD) in the backing material greater than 44 mm (1.73") by any fair hit shall constitute a failure. The sample will have to qualify ballistic test as mentioned below:

Threat Level	Materials	Caliber of Ammunition	Bullet Description	Bullet Weight (gm)	Muzzle Velocity (m/sec)	Distance (mtr)
NIJ Level IIIA	Ballistic Helmet	9 x 19 mm Parabellum	FMJ RN	8.2	436	5

16. **Washing Test, Dye Fastness to Sunlight Test and Water Resistance Test (Outer cover cloth of the Helmet)** Supplied sample (Outer cover cloth of the Helmet) should qualify Washing Test, Dye Fastness to Sunlight Test and Water Resistance Test. Description of the tests are as follows:

(a) **Washing Test** Sample will be kept in the reagent of 0.5% soap flakes for 1.5 hrs at 60°C. Subjected to washing test grading minimum 3 out of 4 in that test will be accepted.

(b) **Dye Fastness to Sunlight Test** If the sample passes the washing test, it will be kept in open sunlight for a period of 72 hrs. Subjected to dry fastness test minimum grading 3 out of 4 in that test will be accepted.

(c) **Water Resistance Test (Cone Test)** Supplied sample will be subjected to Cone Test grading minimum 3 out of 4 in that test will be accepted.

17. **Labeling.** Each Ballistic Helmet should have label. It should be permanently attached to interior surface of the helmet. The label should contain the following information (printed in English).

- a. Brand, Company name and Logo.
- b. Lot Number.
- c. Manufacturing Date.

18. **Manufacturer's Certificate.** A Certificate from the manufacturer is to be provided, stating that the items offered are original, brand new, unused and produced in the year 2026 or later. It is also to be certified that the offered items will comply the technical specification mentioned in Para 2, 12 to 13.

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19. **Sample.** 02 (Two) in number samples are to be supplied with offer for evaluation of tender and Ballistic test. **Offer without sample will not be accepted.**

20. **Packing Details.** All Ballistic Helmets are to be supplied in sealed condition. Each helmet is to be packed standard sea/ air worthy standard paper carton. All packages should be supplied by sea worthy container / pallet for air shipment. Each package is to be marked as follows:

- a. Name of Item
- b. Contract no and date
- c. Quantity
- d. Year of manufacture
- e. Supplier's name and address with contact numbers
- f. Consignee's address

21. **Brochure/ Catalogue.** 01 (One) copy of original brochure/catalogue in English will be provided with the offer for evaluation of tender. Product Brochure of the manufacturer will be provided along with the offer.

22. **Manual.** (One) set of instructional manual (in English) of offered Ballistic Helmet for preservation and long storage are to be supplied with the stores.

23. **Warranty.**

a. Minimum 12 (twelve) months warranty from the date of final acceptance by the buyer for trouble free use is to be provided by the manufacturer. If any defect/discrepancy arises in any supplied item(s)/component(s) within the warranty period, the warranty period for the relevant item(s)/component(s) shall be automatically extended by the specific duration from the date of notification to the supplier until the date of rectification of the defect or resolution of the discrepancy.

b. If any defect/discrepancy arises within the warranty period, the item(s)/component(s) are to be replaced free of cost, including freight, within 03 (three) months from the date of notification to the supplier. In this regard, the supplier must furnish an undertaking with the offer stating, **"We do hereby assure that we take the liability to replace all item(s)/component(s) free of cost, including freight, within 03 (three) months from the date of notification about the defect/discrepancy of the item(s)/component(s) by the buyer, if it occurs within the period of warranty."** For warranty replacement, the supplier will collect the defective item(s) from NSD Chattogram and re-supply the same to the collecting place.

c. A 'Warranty Certificate must be submitted with the offer.

24. **Guarantee.** Guarantee must be given that the supplied quantity Ballistic Helmet will be suitable to meet the purpose and specifications mentioned in preceding Paragraphs 2, 12 to 13 and that its performance will remain effective in all respects throughout the shelf life. A Guarantee Certificate is to be submitted with the offer.

25. **Undertaking.** If the supplied items are found unsuitable for use by the Bangladesh Navy, the same are to be taken back by the supplier and replaced at no cost to the Bangladesh Navy.

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26. **Quality Assurance.** Defence Quality Assurance Certificate will be provided by the appropriate Quality Assurance Organization of the manufacturing country.
27. **Acceptance/ Rejection of Bid** DGDP/BN reserves the right to accept or reject any bid or to terminate the bidding process and reject all bids at any time prior to the contract awards (without thereby incurring any liability to the BIDDER).
28. **Final Acceptance.** A joint inspection will be held at the Naval Armament Supply Depot. Final acceptance of the Ballistic Helmet will be given by the Naval Armament Inspection Organization (NAIO, Chattogram) after satisfactory physical inspection, comparison of the supplied Ballistic Helmet with the approved sample, and satisfactory results in the Ballistic Test, Washing Test, Dye Fastness to Sunlight Test, and Water Resistance Test on one randomly selected Ballistic Helmet. The Ballistic Test, Washing Test, Dye Fastness to Sunlight Test, and Water Resistance Test procedures will be as specified in paragraphs 15 and 16, respectively. The tests and trials will be conducted by NAIO and the appropriate organizations, and the supplier's representative must be present throughout the process.
29. **Shipment and Delivery.**
- a. **Place of Delivery.** The supplier will arrange shipment of all items by sea/ airport to Chattogram/Dhaka. Consignee address is as follows:
- By Sea**
- THE COMMANDING OFFICER
NAVAL STORES DEPOT, CHATTOGRAM
NEW MOORING, CHATTOGRAM, BANGLADESH
- By Air**
- THE OFFICER-IN-CHARGE
NAVAL STORES SUB DEPOT DHAKA
NAMAPARA, KHILKHET
DHAKA-1229, BANGLADESH
- b. The supplier will carry the items from Chattogram/Dhaka sea/airport to NSD Chattogram at the cost and risk of supplier
- c. **Delivery Schedule.** Items are to be delivered within **180 days** from the date of signing the contract.
- d. **Port of Shipment.** The port of shipment is from country of manufacturer or country of origin. Port of shipment is to be mentioned.
- e. **Source of Supply.** The source of supply, whether from country of manufacturer or country of origin, to be mentioned with detail address, e-mail & contact number.
- f. **Source of Raw Materials.** To be mentioned with detail address of source, e-mail & contact number.
30. **User List.** List of users with indicating year is to be provided with the offer.
31. **Validity of Offer.** Up to 30 June 2027.

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32. **Price.** If the item is imported against this tender, price to be quoted without import duties.

33. **Terms of Payment.** Total (100%) payment will be made in local currency after satisfactory test/trial and final acceptance by the Bangladesh Navy.

34. **Compliance Statement.** A compliance statement containing all the required information is to be submitted with the offer for tender evaluation. Any deviation from the specification is also to be clearly stated in the offer. Mere mentioning of "Yes/No" or "Comply" will not be sufficient; detailed technical data and information of the offered item are to be provided. An incomplete compliance statement may attribute to cancellation of the offer.

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