

**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 to protect head from impact and ballistic hazard during operation.
3. **Quantity.** 500 in no (Large-50, Medium-400, Small-50)
4. **Year of Manufacture.** 2020 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, Denmark, France, Germany, Italy, Japan, Singapore, Turkey, Netherlands, Norway, Sweden, USA, UK (To be mentioned).
8. **Manufacturing Country.** : Australia, Canada, Denmark, France, Germany, Italy, Japan, Singapore, Turkey, Netherlands, Norway, Sweden, USA, UK (To be mentioned).
9. **Qualification of Bidder.** Only the genuine manufacturers or their authorized dealer can submit quotation through their authorized agent in Bangladesh. In case of dealer, manufacturer's certificate of authorization has to be submitted with the offer.
10. **Technical Specification.**
  - a. **Shell Material.** : Hybrid of Aramid and Ballistic Polyethylene.
  - b. **Thickness of Shell.** : 8 mm (Approx).
  - c. **Size.**
    - (1). Large (Head circumference) : 59 cm – 62 cm.
    - (2). Medium (Head circumference) : 55 cm – 60 cm.
    - (3). Small (Head circumference) : 52 cm – 55 cm.
  - d. **Shell Dimension.**
    - (1). Large : 285 mm x 255 mm x 178 mm (L X B XH).
    - (2). Medium : 270 mm x 248 mm x 175 mm (L X B XH).
    - (3). Small : 258 mm x 237 mm x 170 mm (L X B XH).
  - e. **Total Weight.**
    - (1). Large : Maximum 1.524 kg  $\pm$  10 gm.
    - (2). Medium : Maximum 1.445 kg  $\pm$  10 gm.
    - (3). Small : Maximum 1.316 kg  $\pm$  10 gm.
  - f. **Colour** : Digital Combat (Same as BN Combat Dress).
  - g. **Overall Shape and Design.** : As per BN sample.
11. **Shelf Life.** Shelf Life is to be 10 years. Shelf life certificate from manufacturer is to be provided with the offer.
12. **Manufacturer's Certificate.** Certificate from the manufacturer is to be provided with the offer indicating the year of manufacture and confirming that the offered item will meet the purpose and technical specification mentioned in Para 2 and 10 respectively.

13. **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

14. **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

15. **Sample.** Two in no. sample are to be supplied with offer for evaluation and to carry out Ballistic test. **Offer without sample will not be accepted.**

16. **Brochure/ Catalogue.** Two copies 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.

17. **Manual.** Two sets of instructional manual (in English) of offered Ballistic Helmet for preservation and long storage are to be supplied with the store.

18. **User List.** List of users indicating year is to be provided with the offer.

19. **Warranty.**

a. Warranty is to be given for 01 year from the date of acceptance by BN. If any defect/discrepancy of any item arises within the period of warranty, the specific period from the date of notification to the supplier up to the date of rectification of defect/resolve of discrepancy will have to be extended from the warranty period for that particular item(s).

b. If any defect/discrepancy arises within warranty period, then the item(s) are to be replaced free of cost including freight within 03 (three) months from the date of notification of the same to the supplier. For warranty replacement, the supplier will collect the defective item(s) from NSD Chattogram and re-supply the same to collecting place after the warranty repair.

c. Warranty certificate will be submitted with the offer.

20. **Guarantee.** Guarantee is to be given that the Ballistic Helmet will be suitable to meet the purpose and technical specification mentioned in Para 2 and 10 above and the performance of the Ballistic Helmet will remain effective in all respect for the period of shelf life. Guarantee Certificate will be submitted with the offer.

21. **Quality Assurance.** Quality Assurance Certificate will be provided by the appropriate Quality Assurance Organization of the manufacturing country.

22. **Sample Test.** The sample of Ballistic Helmet should 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 of armour plate 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	Muzzle Velocity	Distance (mtr)
IIIA	Ballistic Helmet	9 x 19 mm Parabellum	FMJ RN	427 m/sec or 1400 ft/sec	5

23. **Final Acceptance.** Final acceptance will be given after physical inspection, comparison of supplied Ballistic Helmet with approved/accepted sample and satisfactory ballistic test. 02 in no Ballistic Helmet will be selected by random sampling for ballistic Test. Ballistic test procedure will be as mentioned in para 22. Ballistic Helmet for ballistic test will be provided by the supplier. Test and trial will be completed by NAI0 and the supplier's representative will remain present during Ballistic Test.

24. **Shipment and Delivery.**

a. **Place of Delivery.** The supplier will arrange delivery of all the items to the following address:

THE COMMANDING OFFICER  
NAVAL STORES DEPOT  
NEW MOORING  
CHATTOGRAM  
BANGLADESH

b. Items will have to be delivered within **90 days** from the date of signing of the contract.


c. Port of Shipment is to be mentioned.


25. **Terms of Payment.** Total (100%) payments will be made in local currency after satisfactory test and acceptance by Bangladesh Navy.


26. **Validity.** Up to 30 June 2020.

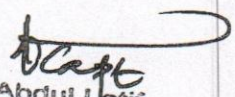
27. **Compliance Statement.** A compliance statement mentioning all the required information is to be submitted with the offer for evaluation of tender. Any deviation from the specification is also to be mentioned in the offer. Mere mentioning of "Yes/No" or "comply" will not be enough; detailed technical data/information of the offered item is to be provided. Incomplete compliance statement may attribute to cancellation of the offer.

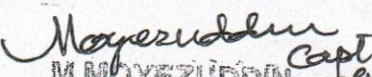
**TEC (M)**


  
M RAFIQUUL ISLAM  
Instr. Lt Cdr BN  
SO(NAI&S)  
Member Secy.  
Date: 15.12.19

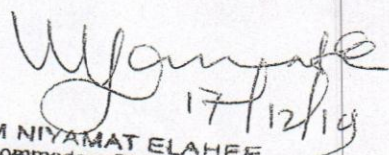
  
M SAAD HAIIDAR  
LT Commander BN  
SO(NAI&S)  
Member  
Date: 15/12/19

  
DNP(Rep)  
Member  
Date: 15.12.19

  
M Abdul Latif  
Captain BN  
Director of Naval Information & Technology  
Naval Headquarters  
Member  
Date: 15/12/19

  
M MOYEZUDDIN  
Capt  
SO(NAI&S)  
Member  
Date: 15/12/19

  
M DKSUD ALAM  
Capt  
Director of Naval Engineering  
Naval Headquarters  
Date: 15/12/19

  
M NIYAMAT ELAHEE  
Capt  
Director of Naval Weapons  
and Engineering  
Naval Headquarters  
Date: 17/12/19