

TENDER SPECIFICATION OF EXTENDED DURATION BREATHING APPARATUS (EDBA)

1. **Name of the Equipment.** Extended Duration Breathing Apparatus (EDBA).
2. **Purpose.** To be used in fire fighting operation onboard Bangladesh navy ship.
3. **Quantity.** 100 (One hundred) sets. ✓
4. **Brand.** To be mentioned.
5. **Model.** To be mentioned.
6. **Classification Standard.** To be mentioned.
7. **Year of Manufacture.** 2024 or later.
8. **Country of Origin.** Germany, France, Italy, Spain, Austria, Denmark, Belgium, Netherlands, Sweden, Finland, UK, USA, Japan, Australia, Canada.
9. **Manufacturing Country.** Germany, France, Italy, Spain, Austria, Denmark, Belgium, Netherlands, Sweden, Finland, UK, USA, Japan, Australia, Canada.
10. **Name and Address of local Supplier.** Name & full address with email are to be mentioned.
11. **Name and Address of Manufacturer.** Name & full address with email are to be mentioned.
12. **Name & Address of Principal Supplier.** Name & full address with email are to be mentioned.
13. **Bidder's Qualification.** The bidder is expected to have adequate knowledge in understanding all the technical criteria and ability to fulfill those in clear terms given in the indent. The supplier has to ensure that the source is either to be manufacturer or dealer/agent of the respective manufacturer (having clear existence in the manufacturer's authorization and website/fax & e-mail address) or sub-agent of the respective agent (having authorization from authorized dealer).
14. **Certificate and Document of Authentication.** The concerned supplier must provide following original certificate(s)/ document(s) as applicable with the quotation and during delivery of items as regard to the genuinity of source and item(s) in order to establish chain of links from the original source to supply items:
 - a. One certificate by the Original Equipment Manufacturer (OEM) in favour of the local supplier (in case of OEM as principal).
 - b. Two certificates, one by the OEM to authorized dealer/agent and other by the authorized dealer/agent to supplier (in case of authorized dealer/agent as principal).
 - c. Three certificates, first one by OEM to authorized dealer/agent, second one by authorized dealer/agent to sub-agent and third one by sub-agent to supplier (in case of sub-agent as principal). If the supplier is unable to obtain the first certificate (by OEM to authorized dealer/agent), then it has to produce relevant document to prove agency-ship of its claimed agent of the recognized manufacturer.

15. **Standard**

- a. FN137:2006
- b. Marine Equipment Directive (MED) Certified.
- c. AS
- d. NZS1716: 2012

16. **Technical Specification EDDBA.**

a.	Input Pressure	Minimum 300-350 bar.
b.	Working Duration	Minimum 60 minutes.
c.	Cylinder Capacity	9-10 liters
d.	Testing pressure	450-500 bars
e.	Number of Cylinder	One for each set.
f.	Cylinder and Valve	Light weight composite air cylinder with high pressure reducing valve.
g.	Cylinder Weight	4 - 5 Kg
h.	Back Plate & Harness Design	Ergonomically designed back plate with comfortable flame retardant harness.
j.	Type of head harness	5 points rubber strip with net head harness.
k.	Harness Adjustment	2 waist straps to pull towards to tighten.
l.	Whistle	Built with pressure gauge for loud and clear hearing and whistle is correctly set at 55 bar.
m.	Demand Valve	First breath activated.
n.	Visibility in darkness	Pressure gauge must be visible while operating in dark compartment/space.
p.	Safety System	Audible alarm system is to be incorporated.
q.	TS	-50° to 60°C
r.	Type of gauge	Pneumatic.
s.	Component Material	Corrosion Resistant
t.	Gas Cylinder Material	Steel/Composite
u.	Back Plate	Glass & Carbon Filled Nylon
v.	Face Mask Vigor	Poly Carbonate
w.	MP Air Supply House Fitting	Nickel Plated Brass

17. **Accessories.** All standard accessories including carrying case.

18. **Brochure and Catalogue.** 'User Manual' and 'Donning Procedure' for each set are to be supplied during delivery of EDDBA.

19. **Factory Acceptance Test (FAT)/Pre-Shipment Inspection (PSI).**

a. Factory Acceptance Test (FAT)/Pre-Shipment Inspection (PSI) will be carried out by a team of 02 (two) BN officers for a duration of 03 (three) working days excluding journey period, at the buyer's expense (including return air ticket, food and accommodation). The supplier should inform the buyer about the date of FAT/PSI (schedule) at least 08 (eight) weeks prior to the date of commencement of the FAT/PSI. The FAT/PSI criteria for the items will be forwarded by the supplier along with the FAT/PSI schedule.

b. All types of movement/transportation within the manufacturer/supplier's country, reception and arrangement for entry into the country/concerned area for the FAT/PSI team are to be arranged by the supplier.

- c. On return from the country of supplier, the FAT/PSI team will submit report to concerned directorate of NHQ. NHQ concerned directorate will, in turn, forward final decision within 3 weeks, basing on which DGDP will render clearance for shipment of stores to the supplier concerned. The supplier will not make shipment of any item of the contract without clearance from the DGDP.
20. **Packing.** All individual items to be packed separately in an airtight plastic bag during supply/shipment with appropriate commercial packing.
21. **Safety Items.** Audible alarm system to be incorporated.
22. **Warranty.** Warranty of trouble free operation is to be given for the supplied items for a period of at least 12 months from the date of acceptance by BN. For warranty repair/replacement, the supplier will collect the defective item from NSD Chattogram/ Khulna and re-supply the same to the collecting place after warranty repair or replacement.
23. **Acceptance.** The acceptance of the supplied items will be carried out by the CINS at Chattogram, where the supplier's representative will be present. After the satisfactory test/trial, the acceptance certificate will be given by the CINS.
24. **Port of Shipment.** Any port of the manufacturing country. In case of shipment through any port of manufacturer authorized dealer, relevant manufacturer certificate is to be provided as a proof of genuineness of the offered item.
25. **Shipment, Delivery and Inspection.**
- a. **Shipment.** The items are to be delivered within 09 (Nine) months from the date of signing the contract to the following consignee.
The Commanding Officer
Naval Stores Depot, New Mooring
Chattogram, Bangladesh
 - b. **Place of delivery.** NSD Chattogram.
 - c. **Inspection Authority.** CINS, Chattogram.
26. **Validity of Offer.** The offer must be valid up to 30 June 2025.
27. **Terms of Payment.** Necessary L/C will be opened in favour of the principal supplier but payment will be made as per following terms:
- a. 80% of total CFR value will be paid on delivery of the items described under the scope of supply on production of necessary shipping documents.
 - b. Remaining 20% L/C amount will be paid on producing 'Acceptance Certificate' following successful test and trial jointly carried out by the representative of purchaser and supplier's representative.
28. **Price Without Import Duties.** Quoted price is to exclude all import duties as those will be consigned against BN.
29. **Certificates.** Following Certificates are to be provided as original from the manufacturer in regard to the supplied EDDB as new, unused and genuine at the time of delivery free of cost:
- a. Authenticity and Genuineness Certificate.
 - b. Quality Assurance Certificate.
 - c. Warranty Certificate.
 - d. Classification Standard Certificate

RESTRICTED

30. All terms and conditions of DGDP also remain valid. If any of the above terms and conditions contradicts with the terms and conditions laid down in the DGDP rules and regulations, the later shall supersede the same.

[Handwritten mark]