PROVISIONAL SPECIFICATION

EOD BLAST PLATES (NECK, CHEST AND GROIN)

Specification No.	**OCFAV/BDS/BP/26/01**
Date	**14.08.2026**

Note: *All technical standards, performance values, weights, coverage areas, warranty and shelf-life requirements below are retained from the source specification. Wording has been refined only for clarity and consistency.*

QUALITATIVE REQUIREMENTS

S. No.	Parameter	Qualitative Requirement
1	**Fragmentation Protection**	The EOD blast plates shall provide fragmentation protection in accordance with NIJ 0117.01, NATO STANAG 2920 or MIL-STD-662F/NATO AEP 2920, against a fragment-simulating projectile. **Plate** / **V50 (Minimum)** Chest Plate, Groin Plate, Neck Plate: V50 1100 m/s against 44-grain FSP, or V50 750 m/s against 207-grain FSP *The above V50 requirement applies to the chest, groin and neck plates.*
2	**Integrity and Performance Against Blast**	The EOD blast plates, in conjunction with the bomb suit, shall demonstrate integrity and performance against blast by effectively reducing blast overpressure and shock-wave effects below the injury threshold of professionally accepted lung-injury criteria. The system shall provide reduction of blast overpressure at the chest in accordance with the MHA Specification dated 27.03.2026.
3	**Weight and Coverage Area**	Total weight: 6.5 kg maximum. **Plate** / **Approx. Weight** / **Approx. Coverage Area** Chest Plate / 3 kg / 850 sq. cm Groin Plate / 2.5 kg / 580 sq. cm Neck Plate / 1 kg / 375 sq. cm Total coverage area: 1805 sq. cm minimum. Curvature and shape: single curve matching the contour of the body.
4	**Shelf Life and Spare-Parts Support**	• Shelf life of the EOD Blast Plates (Neck, Chest & Groin): 7 years. • Maintenance support, including spare parts for repair: 7 years. *The OEM shall provide a certificate confirming the above.*

Approved by

SPECIAL TENDER CONDITIONS

Scope: These conditions regulate technical compliance, applicability of fresh testing, Bulk Production Clearance and acceptance. They do not alter any technical requirement or prescribed test in this specification.

1. Technical Compliance with Bid

The bidder shall submit a clause-by-clause technical compliance statement against the complete technical specification along with the bid. Any deviation, if applicable, shall be specifically indicated against the respective clause. Bids without the required technical compliance statement are liable to be treated as technically non-responsive.

2. Applicability of Complete Testing Afresh

Any bidder supplying the product to OCF Avadi for the first time shall have the offered product subjected to complete testing afresh, from the beginning, against all prescribed test requirements of this specification at the specified/designated/approved laboratory, as applicable.

An existing or previous supplier offering a new product, new model, new configuration, or a product involving any change in material, construction, design, configuration, manufacturing process or technical specification shall also have the offered product subjected to complete testing afresh, from the beginning, against all prescribed test requirements. Previous validation or test reports pertaining to any other product, model or configuration shall not establish compliance for the newly offered or changed product.

For technical evaluation during bid participation, the OEM shall submit the latest valid test reports from an NABL-accredited/internationally accredited laboratory covering the protection standards offered for the blast plates in the specification.

3. Testing During Bulk Production Clearance (BPC)/Bulk Supply

The successful supplier shall submit the latest valid test reports/certificates from the specified/recognized laboratory, as applicable, at the time of Bulk Production Clearance (BPC)/before commencement of bulk supply.

During BPC/bulk supply, one complete set comprising neck, chest and groin plates, selected at random from the offered lot, shall be subjected to the prescribed tests at the designated/approved laboratory to verify conformity with the tender specification.

The entire cost of testing, including sample preparation, laboratory/testing charges, transportation and all associated charges, if any, shall be borne by the supplier. Acceptance of the bulk supply shall be subject to satisfactory test results and compliance with the specified technical requirements.

4. Reference to Samples Previously Supplied and Validated at OCF Avadi

Where the bidder has previously supplied samples of the same product, same model and same configuration to OCF Avadi and those samples have been technically evaluated/validated, the bidder shall furnish complete reference details with the bid, including the date, product/model/configuration and relevant test/validation reference, wherever available.

Such reference shall be considered only for establishing previous supply/validation status of the identical product, model and configuration. The bidder shall declare that there is no change in material, construction, design, configuration, manufacturing process or technical specification compared with the previously validated sample.

If any change is declared or observed, or if the offered product/model/configuration is not identical to the previously validated product/model/configuration, the offer shall be treated as a new/changed product and complete testing afresh shall be mandatory under Clause 2.

5. Right of OCF Avadi

Previous validation or acceptance of a sample shall not exempt the supplier from compliance with the current tender specification or from testing of the bulk supply, wherever stipulated. If Required OCF Avadi reserves the right to draw samples from the bulk supply and arrange testing to establish conformity with the tender requirements.

OCF Avadi may require complete testing afresh where the identity of the offered product/model/configuration with a previously validated sample is not established to its satisfaction, or where any change or discrepancy is noticed. The decision of OCF Avadi regarding the applicability and extent of testing shall be final and binding.

(P. SENTHIL KUMAR)
GENERAL MANAGER
FOR CHIEF GENERAL MANAGER