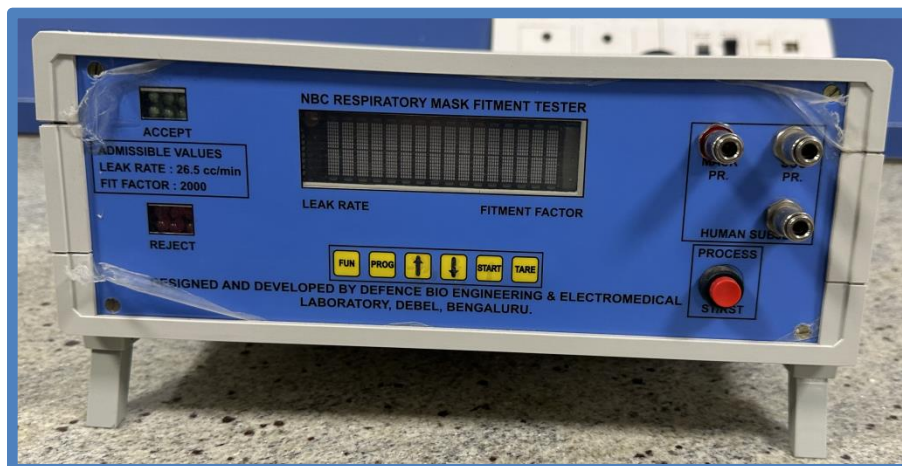


NBC LEAK TESTER Mk II

NBC Leak Tester Mk II/Fitment tester is an automated field usage electronic tester which evaluates the fitment (leak tightness) of NBC respiratory full-face mask. This is a Controlled Negative Pressure (CNP) based quantitative fitment type instrument.

Salient features:

- Micro-controller based system with data storage facility
- Consists of leak tester Mk II unit, adapter assembly, three sizes dummy heads (small, medium, large), and Pelican stormcase iM2620.
- Can be used on both the Human subject and Dummy heads.
- Capable of evaluating the functional integrity of the NBC respiratory mask (Large, Medium, and Small size) on dummy heads.
- Determines the result in the form of fitment factor and also indicate the acceptance/rejection of mask through green and red LED respectively.
- Operates from 220VAC \pm 10%, 50/60 Hz AC (Primary), 12V DC rechargeable internal battery Lithium ion or equivalent (Secondary) and External 12V DC Lithium ion battery. Internal battery works for minimum 8 hours in absence of AC power.
- Equipped with facility to interface to external PC/Laptop/Workstation with RS232/USB for data download.
- High precision Pressure Sensor which reads pressure in mm of WC and Flow sensor which reads flow in cc/min.
- Admissible values are engraved at front panel for Fitment limit reference.
- Modular concept for easy replacement of faulty modules at unit levels.
- Robust and capable of operating in our climatic conditions and meets relevant specification as per JSS 55555.
- Portable, Light weight (4 kg approx.), Simple to operate and Easy to handle with minimum training.



Contact Details

Interested companies/industries are requested to apply against this EoI through email or by DAK to following address:-

To(with attachement)

The Director

Defence Bioengineering & Electromedical Laboratory

Defence Research & Development Organisation

Govt. of India, Ministry of Defence

Cv Raman, Bangalore-560 093

Email-director.debel@gov.in

Copy to(without attachement)

The Director

Directorate of Industry Interface & Technology Management (DIITM)

Room No. 447, DRDO Bhawan, Rajaji Marg, New Delhi-110 011

Email-diitm.hqr@gov.in

List of Support documents to be attached with EoI

- (a) Memorandum and Articles of Association (Should be incorporated as per Indian Companies Act, as amended time to time)
- (b) Certificates of registration as a manufacturing unit, if any.
- (c) Audited Balance Sheet for the preceding three years.
- (d) Income Tax returns for the preceding three year period
- (e) Details of shareholding/ownership pattern especially foreign partners/ shareholders, foreign employees, directors, etc. The company must adhere to the prevailing Govt of India policies and regulations on Foreign Direct Investment (FDI)/DIPP norms as applicable.
- (f) Annual budget for R&D during last three years.
- (g) Numbers and details of IPR or patents, etc., held by the company.
- (h) Number of technically or professionally qualified personnel.
- (i) Record of past performance (e.g., Supply orders executed against of Ministry of Defence orders, Public Sectors and Paramilitary Forces, if any).
- (j) Availability of adequate infrastructure (List of machines and their production capacities) and technical expertise.

- (k) List of Testing and Support equipment's
- (l) ISO/ ISI certification or any other certification
- (m) Relevant clearances form the authorities/ ministries (if any)
- (n) Capacity and capability to undertake developmental work and to accept attendant financial and commercial risks.
- (o) Capacity/capability to market the product through the marketing network, sales and service network, reliability to maintain confidentiality.
- (p) PESO and DPIIT license for explosive handling if ToT is for high energy Material, explosives, propellants, and component/ system dealing with it etc.
- (q) Under taking form company seeking ToT that none of its Directors, Independent Directors, non-executive Directors, Key management personnel are involved in any corrupt practices, unfair means and illegal activities.
- (r) Details of the industrials license for defence manufacturing be provided by the industry seeking ToTs.