

LIGHT WEIGHT INTEGRATED HELMET TYPE IH-1000 [TD1 (LCA)-MODIFIED] FOR ALH HELICOPTER AIRCREW

DEBEL has successfully designed & developed Light Weight Integrated Helmets IH-1000 meeting Mil requirements to protect the pilots of ALH against head concussions and head injuries during crash landings and other accidents. The helmet is designed specifically for Advance Light Helicopters (ALH) & for integration of HPS manufactured by M/s. Elbit with the following salient features.

Salient Features of the Helmet:

- Designed based on Indian Anthropometric data.
- Meets the Impact and Penetration attenuation requirements of Defence Standard.
- Dual visor system meets the optical requirements as per Mil standard.
- Provision for mounting detachable NVG Mount & battery pack.
- Adaptable for HPS mounting.
- Available in 2 sizes (Medium & Large).
- Provision for anchoring Oxygen Mask.

Adjustments in the Helmet:

- Ear Cups longitudinal axis orientation.
- Ear cups tensioner.
- Visors move independent of each other & lock either at full up or full down position independently.
- Nape pad adjustment provided for better neck support.
- Detachable Edge rolls of different thicknesses for comfort.
- Detachable Comfort paddings having thickness of 10 & 15 mm.
- Mask anchoring adjustment for optimum face-mask seal.
- Earphones for communication
- High noise attenuation
- Provision of both Boom Microphone and Mask Microphone
- Changeover switch for alternately using the Boom Microphone & Mask Microphone



DEBEL developed Helicopter helmet is successfully trial evaluated (flight) in ALH Helicopters and has met all functional requirements. IAF has accepted the item after extensive user trials.