

Compact Airborne Multi sensors optronic Payload (CAMOP)

Compact Airborne Multi-sensors Optronic Payload has been developed for day and night surveillance, reconnaissance, target detection and target tracking from airborne platform. The CAMOP comprises of Payload assembly, Gimbal assembly, System electronic unit and Man Machine Interface (MMI). The payload assembly consists of HD Thermal imager and HD Color Day TV for better imaging at longer ranges. The HD SWIR camera will extend the range performance in degraded visual conditions of light fog and smoke, in addition to providing imaging at dusk and dawn conditions. The Low Light Level TV will provide images under extreme low light conditions and also the images of targets illuminated by the laser illuminator. The multiple Lase payloads will provide target ranges, CAMOP has also Geo-pointing and Geo- location (GPLM) capability on moving map enabling the system to calculate the target co-ordinates (in the centre of the image) according to the navigation data, sensor's LOS angles and range from the Laser Range Finder and display it in the centre of the image.

Standard- MIL-STD 810-F/RTCA DO 160, EMI/EMC-MIL STD 461-E

Interested Industries are requested to forward their Expression of Interest (EOI) to Director, Instruments Research and Development Establishment (IRDE), Dehradun with a copy to Director, Directorate Industry Interface and Technology Management (DIITM), DRDO HQ on following addresses:-

**To,
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Copy to

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Interested Industries are requested to enclose supporting documents with Eol as per Appendix 'D' of DRDO Policy and Procedure for ToT available at <https://www.drdo.gov.in/sites/default/files/inline-files/DRDO%20Policy%20%26%20Procedure%20%20for%20ToT.pdf>