

Electro optic IR search and track system

The IN is looking at ship based EOIRST with following broad specifications which are to be indigenously designed by Indian vendor in india. The qty for acceptance of prototype is 01 and bulk is 25 nos.

Specifications are as below:-

- **Configuration** – Optical surveillance and tracker system
 - **360 deg Surveillance.** 360 deg live stitched video for EO surveillance
 - **Tracker.** Investigation/tracking of threats for engagement
- **Detection.** Automatic 360 deg surveillance and detection (upto 100 tracks)
- **Range.** 20 km day and night camera and extended ranges through SWIR (limited by earth's curvature)
- **FCS.** Option of controlling MR gun and CIWS
- **Target Tracking.** Super Sonic targets (5/6 mach) with low thermal signature
- **Refresh Rate.** High refresh rate from surveillance mode (1Hz)
- **LRF.** High LRF ranges > 20 km

Industry reps are requested to confirm the above can be achieved along with the expected time duration.