**SHQ (Air Force)**

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| 1. | **Name of Potential Project** |
|  | Long Range Dual Band Infrared Imaging Search and Track System (IRST) |
| 2. | **Brief about the project** |
|  | MoD, GoI intends to procure IRST for its fighter aircraft. The IRST systems are proposed to be developed and manufactured under the ‘Make’ category of the DPP-2016. As a preliminary step, IRST is intended to be indigenously developed under Make category for Su-30 MKI aircraft and produced. |
| 3. | **Broad specifications / PSQRs** |
|  | (a) IRST should be able to perform long range IR detection in a large field of view (FoV)  (b) IRST should be able to display super narrow IR and EO FoV images to Pilot associated with an automatic tracking of Air-Air and Air-Ground targets.  (c) IRST should support 3D localization by an eye-safe Laser Range Finder.  (d) Should be compatible with existing similar system fitted in Su-30MKI aircraft in terms of mechanical and electrical requirements.  (e) IRST should be able to operate as per Su-30 MKI aircraft operating envelope.  (f) Transportation and storage in Indian conditions. |
| 4. | **Tentative quantity to be procured after successful prototype development** |
|  | (a) Immediate requirement: Approx 100.  (b) Recurring requirement: Spares sets and individual spares as per requirement. |
| 5. | **Tentative timeline for induction** |
|  | 2018-21 |