

## Themes under Open Challenge

The following themes under Open Challenge have been launched, and the application window remains open until March 31, 2025, at 17:00 Hrs.

- Quantum Sensing for IA **(Indian Army)**
- Next Generation Sensors **(Indian Army)**
- Development of a high altitude diving medical research equipment/ system like hypobaric wet diving chamber simulator complex. **(Indian Navy)**
- Shipboard Equipment, Systems and Deck Machinery such as hydrofoil boat, lightweight compact A-frame boat davit, mission bay handling system, multipurpose composite/ GRP davits, accommodation ladders, Ammunition lifts etc. **(Indian Navy)**
- Underwater repair of ships/ submarines **(Indian Navy)**
- Ammunition and Explosive Systems like torpedo killer decoys, reels/ cables for telemetry purpose in underwater weapons, homing head performance assessment devices, contactless gauging of ammunition etc. **(Indian Navy)**
- Use of Robotics and automation for Ground Support Equipment (GSE) and Ground Handling Equipment (GHE) for aircraft operations- **Bomb/missile/Rocket loading Trolleys. (Indian Air Force)**
- Use of Robotics and automation for Ground Support Equipment (GSE) and Ground Handling Equipment (GHE) for aircraft operations-**Bomb/missile/Rocket Transportation Trolleys. (Indian Air Force)**
- Use of Robotics and automation for Ground Support Equipment (GSE) and Ground Handling Equipment (GHE) for aircraft operations- **Fire Fighting Equipment for Ground running/ground operation. (Indian Air Force)**
- Use of Robotics and automation for Ground Support Equipment (GSE) and Ground Handling Equipment (GHE) for aircraft operations- **Inspection Trolley. (Indian Air Force)**
- Use of Robotics and automation for Ground Support Equipment (GSE) and Ground Handling Equipment (GHE) for aircraft operations- **Automated hanger door opening/closing. (Indian Air Force)**

- Use of Robotics and automation for Ground Support Equipment (GSE) and Ground Handling Equipment (GHE) for aircraft operations- **Automated aircraft towing system along with anti-collision devices. (Indian Air Force)**
- Use of Robotics and automation for Ground Support Equipment (GSE) and Ground Handling Equipment (GHE) for aircraft operations- **Automated aircraft washing rigs. (Indian Air Force)**
- Use of Robotics and automation for Ground Support Equipment (GSE) and Ground Handling Equipment (GHE) for aircraft operations- **Automated pilot/servicing ladders along with anti-collision devices. (Indian Air Force)**
- Use of Robotics and automation for Ground Support Equipment (GSE) and Ground Handling Equipment (GHE) for aircraft operations- **Ejection seat removal/fitment crane. (Indian Air Force)**