

Brief of Modular TSTO Launch Vehicle System (Land/Sea launch) with Configurable Satellites Integration Mechanism for Launch on Demand of Small Satellites (Upto 500 kgs/400 Kms/72 Hrs)

Two Stage to Orbit (TSTO) launch vehicles have the ability to propel to LEO heights and can be assembled in short times. Moreover, these launch vehicles have reduced launch costs and have high mobility factor. The challenge involves developing a Two Stage to Orbit Rocket that can employ either green propulsion or conventional propulsion and can carry payloads upto 500 kgs to 400 Kms altitude. The launch vehicle should have modular design and should be assembled in 72 hours.