

**Brief of Highly Agile (Agility rate > 7°/sec) Small Satellite Constellation
(2 satellites) for LEO**

It is proposed to develop two highly agile satellites that will provide significant boost to the imaging capability compared to existing EO satellites. The challenge is to develop two highly agile platforms that can house an Optical and a SAR payload respectively. The agility to be 7°/sec or better and should be compatible with three axis stabilised satellites. The inter-spot imaging distance derived out of this agility rate should be 2 kms or less. The weight penalty of the Attitude and Orbit Control System (AOCS) should be approximately 40 to 60 kgs providing this agility rate.