Communications System Overview: (Draft)

SSP IIT Bombay

For frequency allocation, the mission should contact ITU – International Telecommunications Union

IARU – International Amateur Radio Union and Domestic Regulatory authorities.

After selection of frequency, RF hardware must be decided – Antenna, Transmission module, Reception module.

Selection of Products – Through Selection Policy Definition based on required parameters.

PS4-OP: Refers to the Orbital platform of the 4th stage of PSLV rockets. Spent PS4 stage to be used to carry out in-orbit scientific experiments for an extended duration of 1- 6 months. The spent PS4 stage to be used to carry out in-orbit scientific experiments for an extended duration of 1- 6 months.

Data Protocol – Data Packet Format and Error Correction Methods (Use standard protocols is communications with commercial gnd stations is required).