SLV-3E1 / Rohini Technology Payload (RTP) Mission

10 August, 1979

THE MISSION

SLV-3E1 carrying on-board the Rohini Technology Payload (RTP) Satellite lifted-off from the Satish Dhawan Space Centre (SDSC) SHAR, Sriharikota on August 10, 1979. RTP contained instruments to monitor the flight performance of SLV-3, the first Indian Launch Vehicle.

SLV-3E1

THE LAUNCH VEHICLE

The first experimental flight of SLV-3 was an all solid, four stage launch vehicle weighing 17 tonnes with a height of 22 m and capable of placing 40 kg class payloads in Low Earth Orbit (LEO).

SPECIFICATIONS

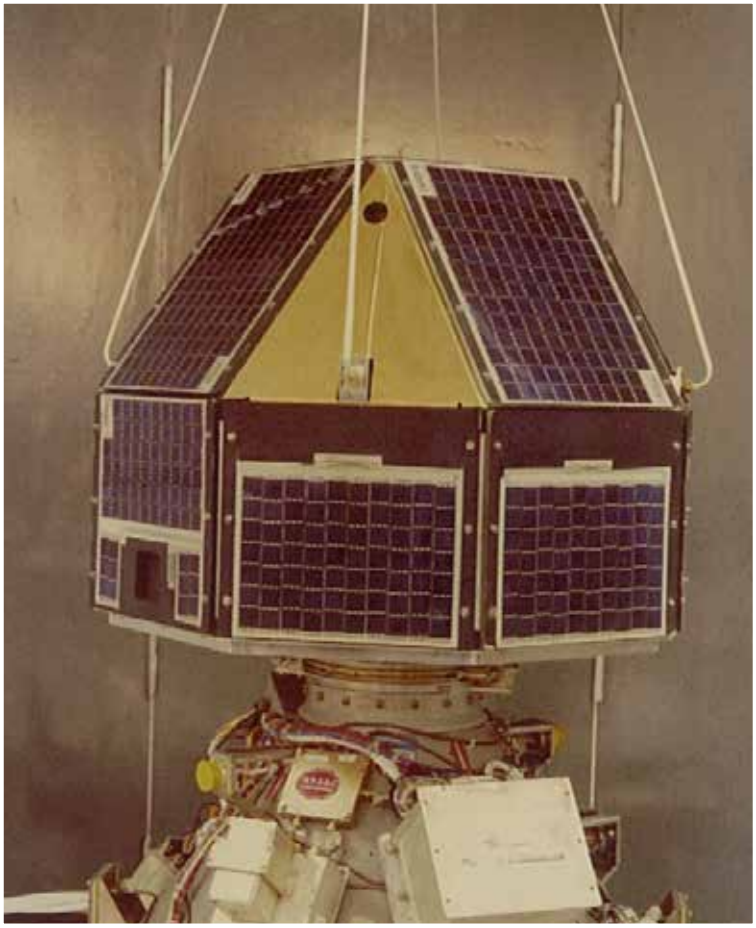
Height	22 m
Lift-Off Mass	17 t
No of Stages	4
Payloads	Rohini Technology Payload (RTP)

ROHINI TECHNOLOGY PAYLOAD (RTP)

THE SATELLITE

RTP was a 35 kg Experimental Spin-stabilized Satellite designed with a power handling capability of 3 W. RTP carried indigenously developed Solar Cells (BARC) and Solar Panels. The electronics was miniaturized using flat-pack CMOS devices.

However, the satellite could not be placed into its intended orbit.



SPECIFICATIONS

Weight	35 kg
Power	3 W
Stabilization	Spin-stabilized
Type of Satellite	Experimental
Payloads	**Launch Vehicle Monitoring Instruments** • Vibration Analyzer • Strain Sensors
Mission Life	Not Achieved