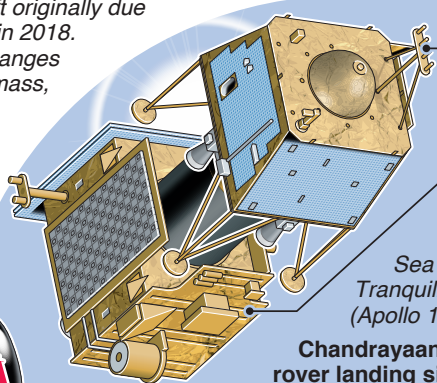


Chandrayaan-2 heads for the Moon

India's *Chandrayaan-2* spacecraft plans to land a briefcase-sized rover on the Moon, 600km from the lunar south pole, while an orbiter above searches for water — vital to future manned missions

Spacecraft originally due to launch in 2018.

Design changes increase mass, requiring larger launch vehicle



PAYLOAD

Lander (with rover)

Orbiter: Carries five scientific instruments

100km: Altitude of lunar orbit

Sea of Tranquity (Apollo 11)

Chandrayaan-2 rover landing site

VIKRAM LANDER AND PRAGYAN ROVER

India would become fourth country to land probe on Moon

Solar panel

Lander: Equipped with seismometer to detect moonquakes and Langmuir probe to measure plasma fluctuations

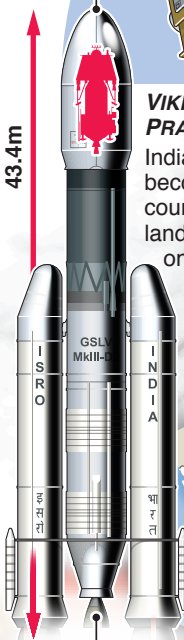
Door/ramp

Solar panel and antenna

Landing skid

Rover: Will move around near landing site in semi-autonomous mode, observing lunar surface and analysing soil

Navigation cameras



Geosynchronous Satellite Launch Vehicle Mark III (GSLV Mk III)

