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L&T Makes its Mark on Mars Mission Supplies Launch & Tracking Equipment

India's maiden Mars Orbiter Mission is an occasion of pride for L&T.

L&T-Heavy Engineering was closely involved in the project that helped India become the sixth nation - after the US, Russia, China, Japan and the European Union - to launch a mission to the red planet.

L&T is the single largest private-sector supplier to this momentous mission - a significant milestone in India's space program.

Launch: The 44.4-metre, 316-tonne PSLV-C25 was rocketed into orbit using S139 motor casings (middle segments MS111, MS113 & MS116) manufactured at our Aerospace Shop at Powai.

IRS Type mechanisms for deployment of satellite solar panels have also been manufactured at our Powai facility. Electronic packages were mounted on the upper stage of PSLV-C25 and the heat shield using honeycomb deck panels manufactured at our Advanced Composite facility at Ranoli.



Polar satellite launch vehicle, PSLV-C25, in its twenty-fifth flight, successfully launches Mars Orbiter Mission Spacecraft from Sriharikota.

*A view of the S-band Radar supplied by L&T.
Photo courtesy: ISRO.*



Tracking: The spacecraft was tracked using a Deep Space Network Antenna at ISTRAC's tracking facility near Bangalore. This 32-m diameter DSN antenna was installed and commissioned by our Aerospace business - which also manufactured the antenna's mount structure and 13-m diameter bull gear (made for the first time in India).

PSLV-C25 was tracked by C-Band precision mono-pulse tracking radar developed indigenously by Heavy Engineering.

L&T is privileged to have contributed to India's moment of glory.