

Tata Consulting Engineers designed and engineered these units of Chandrayaan 3 launch vehicle

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Tata Consulting Engineers Limited (TCE), one of the largest Indian private-sector engineering and project management consultancy, engineered unique and indigenously built critical systems and sub-systems custom-built for the launch of space missions. These facilities, engineered by TCE, played an important role in the launch of the third moon mission of the Indian Space Research Organisation. Chandrayaan 3 successfully executed a soft landing on the moon on August 23. The Chandrayaan's success makes India the fourth nation in the world to successfully land on the moon.

Since 2005, TCE has been a partner of the ISRO. Through this collaboration, TCE claims to have contributed to the design of

essential components and facilities required to successfully launch Satellite Launch Vehicles. TCE engineered the solid propellant plant, the vehicle assembly building, and the mobile launch pedestal.

Details of the three units

Solid Propellant Plant: The facility that produces the solid propellant powering the satellite launch vehicle and various special-purpose equipment required in the propellant plant.

Vehicle Assembly building: The building and the various special purpose facilities used for assembling the space vehicle.

Mobile Launch Pedestal: Equipped with the Bogie mechanism that transports the launch vehicle to the launch location.

Sudheer Kumar N, Director of Capacity Building and Public Outreach (CBPO), ISRO, acknowledged TCE's contribution and said, "TCE is a valuable partner in our space program and has provided numerous innovative and indigenous designs. As we expand our missions in the future, TCE is expected to continue playing a crucial role in our upcoming projects."

TCE claims to have contributed to Indian space missions over many decades, even prior to 2005. In 1971 TCE engineered the world's first and largest equatorially mounted cylindrical radio telescope, ORT, in Ooty. In 1986, the company helped design India's first domestically produced 2.3m optical telescope for the Indian Institute of Astrophysics at Kavalur.