

ISRO to launch GSLV Mark-III tomorrow

Launch of heaviest rocket will put ISRO into elite space club

KESTUR VASUKI ■ BENGALURU

Monday is going to be crucial for the Indian Space Research Organisation (ISRO) as they are going to launch its heaviest rocket GSLV Mark — III on Monday from space port Sriharikota in Andhra Pradesh. The mission launch success will put the ISRO into the elite space club of very few countries which have the capacity of putting four tonne satellites into orbit. At present U.S., Russia, Europe, China and Japan dominate this space.

The all-new 640-ton Geosynchronous Satellite Launch Vehicle — Mark III (GSLV Mk- III) has the capability to put our own astronauts into space.

According to ISRO, the

launch will take place at Satish Dhawan Space Centre in Sriharikota at 5.28 p.m. This heavy rocket can put Indian communication satellites into orbit from India saving lot on exchequer.

MK-II can eject heavier satellite into higher geostationary transfer orbit of 36,000 km and to low-Earth orbit of up to 800 km.

According to ISRO officials, the prime objective of the GSLV MK-III was to launch communication satellites totally in India without depending on others .

The GSLV Mark -III will launch 3,136 kilogram GSAT-19, an experimental communications satellite. “We are confident that this fully self-reliant Indian rocket will succeed in its mission,” said AS Kiran Kumar, chairman ISRO.

According to space scientists, 43-metres long GSLV MK-III could become India’s launch vehicle for astronauts. GSLV Mark -III has the indigenously designed cryogenic engine with an estimated cost of ₹300 crore.