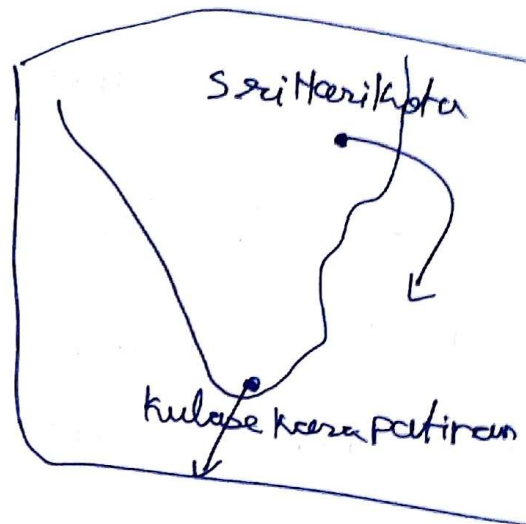


Discuss the geographic, scientific, economic, strategic significance of India's second space port.

The second space port of India was laid at Kulasekharapatnam, in Tamil Nadu which has myriad of benefits for the country as offer

Significance of the new space port



### ① Geographic.

\* The New space port is located near to the equator at approximately 8°N compared to Srirangapatnam's 14°N latitude

\* Which means that the satellites ~~do~~ don't need to perform the dog leg maneuver to direct the satellites towards south.

\* The new port is closer to the ISRO's propulsion research complex

which can ensure further movements of rockets.

② Scientific \* The new launch vehicle is designed to launch SSLV - small satellite launch vehicles which need lesser fuel and payload.

\* Satellites such as navigation and remote sensing which employ SSLV can be launched at a faster pace.

\* The magnitude of velocity imparted due to earth's rotation is 450 m/s which can be eliminated with the new post.

③ Economic

\* Due to its structure, the rockets need lesser fuel which can reduce cost and increase the payload ratio.

\* The SSIV market is \$3.2 billion and is expected to reach \$13 billion by 2030. The new space port can make great use of it.

### ④ Strategic

\* India has launched 432 satellites from 37 countries so far. The new port can further improve launches as ISRO has scheduled two launches per month.

\* The recent measure of 100% FDI in space can further improve the space diplomacy through the port.

The Kulasekharapattinam space port is a clear ~~hub~~ winner at hand with private participation on the pick up, the new space port is about to get launched to the interstellar space.