I-2SEA Submarine Cable System

Prelims: *Current events of national and international importance | Science and Technology*

Why in News?

Submarine cable system project linking India, Malaysia, Singapore unveiled recently.

- **Built by -** It is a consortium comprising ***Microsoft, Singtel, Tata Communications and AI connectivity platform Lightstorm.***
- It will connect ***India, Malaysia and Singapore.***
- It is designed to cater to the hyperscalers, GPU infrastructure providers and enterprises running AI training and inference workloads across the India–Southeast Asia corridor.
- The estimated length of the high-capacity cable is ***3,600 km*** from Singapore to Machilipatnam with onwards connectivity to Hyderabad.
- It will link the fastest-growing AI and hyperscaler data centre clusters in Hyderabad and Chennai directly to Singapore, a cloud interconnect and AI hub as well as Malaysia's emerging data centre corridor in Kuala Lumpur.
- It will have dual landings in India, with the one at Machilipatnam providing the shortest subsea access to Hyderabad and the other at a new diverse landing location in South Chennai.
- The system is now open for capacity commitments.
- I-2SEA is targeted to be ready-for-service in Q4 2029.

Reference

The Hindu | Submarine cable system project