First indigenous diving support vessel – 'NISTAR'

Prelims: *Current events of national and international Importance*

Why in News?

Recently, the Indian Navy decided to commission the first of the class Diving Support Vessel (DSV).

- It is the ***first indigenously designed and constructed*** Diving Support Vessel.
- **Designed and constructed** - By M/s Hindustan Shipyard Limited, Visakhapatnam.
- A total of *120 MSMEs* have participated in the construction of this ambitious, unique, and state-of-the-art vessel, achieving more than 80% indigenous content.
- **Naval command** - The ship will join the *Eastern Naval Command.*
- **Specifications**
  - **Length** -120 meters and
  - **Weight** - More than 10,000 tons.
- **Motto** - **'Surakshita Yatharthta Shauryam',** which means 'Deliverance with Precision and Bravery'.
- **Previous version** – **'ex-NISTAR',** a submarine rescue vessel which was acquired by the Indian Navy from the *erstwhile USSR* in 1969 and commissioned in 1971.
- **Features** - The ship is outfitted with an *Operation Theatre, Intensive Care Unit, Eight Bedded Hospital, and Hyperbaric Medical Facilities*.
- **Dynamic Positioning System** - It has the capacity to maintain its position with extreme accuracy, using *Dynamic Positioning System.*
- It has the Capacity to undertake stages through helicopter operations and a *15-ton subsea crane* makes the ship a very versatile platform.
- **The expansive diving complex** – It consists of both Air and Saturation Diving Systems, along with underwater Remotely Operated Vehicles (ROVs.
- It has inbuilt *Side Scan SONAR*, substantially enhances the operational envelope of the vessel
- **Mother of ships** – It is known as the 'Mother Ship' for the Deep Submergence Rescue Vehicle (DRV),
- **Endurance** - Over 60 days at sea.
- It will enhance India's operational preparedness in the underwater domain.
- It will also reinforce its strategic maritime posture across the Indian Ocean Region.

Reference

PIB| First indigenous diving support vessel – 'NISTAR'



SHANKAR
IAS PARLIAMENT
Information is Empowering