

Advanced Electronic Warfare (EW) Suite 'Shakti'

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In news- The Indian Prime Minister has handed over an advanced electronic warfare system 'Shakti' to the Indian Navy in the Jhansi city of Uttar Pradesh under the ongoing three-day 'Raksha Samarpan'.

About the Suite Shakti-

- It was **designed and developed by Defence Electronics Research Laboratory (DLRL) Hyderabad**, a laboratory of DRDO.
- It is meant **for the Capital Warships of the Indian Navy for the interception, detection, classification, identification and jamming of conventional and modern Radars.**
- It provides an electronic layer of defence against modern radars and anti-ship missiles to ensure electronic dominance and survivability in the maritime battlefield.
- This system will replace the earlier generation EW Systems of the Indian Navy.
- The system has been **integrated with the wideband Electronic Support Measures (ESM) and Electronic Counter Measure (ECM) for the defence of Indian Navy Ships against missile attacks.**
- The ESM of the system helps in finding accurate direction and interception of modern radars.
- **First Shakti system has been installed on-board INS Visakhapatnam** and is being installed on-board Indigenous Aircraft Carrier, INS Vikrant.
- **Twelve Shakti Systems are under production at Bharat Electronics Ltd (BEL)** supported by more than fifty MSMEs at a total cost of Rs 1805 Crores.

- These systems are scheduled to be installed on-board capital warships under production, including P-15B, P-17A and Talwar class follow-on ships.