

BRAHMOS MISSILE TO BE DEPLOYED ALONG COAST FOR MARITIME SECURITY

Prelims: Science & Technology- Defence

Mains: GS-III- Security challenges and their management in border areas; Science and Technology

Why in News?

- ▶▶ The Defence Acquisition Council (DAC) has approved the procurement of a Software Defined Radio (SDR) and the Next Generation Maritime Mobile Coastal Batteries (NGMMCB) for the Navy.

Highlights:

- ▶▶ The NGMMCB will be fitted with the BrahMos surface-to-surface supersonic cruise missiles and deployed along the coast. The SDR has been designed and developed by the Defence Research and Development Organisation (DRDO), Bharat Electronics Limited (BEL) and the Navy's Weapons Electronics Systems Engineering Establishment (WESEE).
- ▶▶ SDR will facilitate high-speed data and secure voice communication with anti-jamming capability.

BrahMos:

- ▶▶ BrahMos was jointly developed by India and Russia and has been inducted into the the Army and the Navy.
- ▶▶ It is a joint venture between the Russian Federation's NPO Mashinostroyeniya and India's Defence Research and Development Organisation (DRDO) who together have formed BrahMos Aerospace.
- ▶▶ The name BrahMos is a portmanteau formed from the names of two rivers, the Brahmaputra of India and the Moskva of Russia.
- ▶▶ The BrahMos is a medium-range ramjet supersonic cruise missile.
- ▶▶ It can be launched from submarine, ships, aircraft, or land.
- ▶▶ It is the fastest supersonic cruise missile in the world and the world's fastest anti-ship cruise missile in operation.
- ▶▶ The missile travels at speeds of Mach 2.8 to 3.0, which is being upgraded to Mach 5.0
- ▶▶ In 2019, India upgraded the missile with a new range of 500 km.