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MOD signs a deal for dual role Surface-to-Surface BrahMos missile with BAPL

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Why is in news? MOD signs a deal for dual role Surface-to-Surface BrahMos missile with BAPL

- The Ministry of Defence (MOD) signed a contract with M/s BrahMos Aerospace Pvt. Ltd. (BAPL) for acquisition of additional **dual-role capable Surface to Surface BrahMos missiles** at an overall approximate cost of? 1700 Crore under "Buy-Indian" Category.
- Induction of these dual-role capable Missiles is going to **significantly enhance the operational capability of Indian Navy (IN) fleet assets**.
- BAPL is a **Joint Venture (JV) between India and Russia** making crucial contribution to augment the new generation Surface-to-Surface Missiles (SSMs) with enhanced range and dual role capability for **land as well as anti-ship attacks**.
- This contract is going to give further **boost to indigenous production** of critical weapon system and ammunition with active participation of indigenous industry.
- **BrahMos Missile system:** The BRAHMOS is a **medium-range ramjet supersonic cruise missile**.
- It's developed as a **joint venture between Russia and India**. It has derived its name from the names of two rivers, **India's Brahmaputra River and Russia's Moskva River**.
- Brahmos is one of the **fastest cruise missiles** currently operationally deployed with **speed of Mach 2.8**, which is nearly **3 times more than the speed of sound**.
- It operates **on fire and forget principal**. Capable of being launched from **land, sea, sub-sea and air against sea and land targets**.
- Carrying capacity : 300 Kg (both conventional and nuclear), Max Range : 290 Km. Its range was extended to 450 km and plan is to increase it to 600km.
- It is **two-stage missile**, the first one being solid and the second one ramjet liquid propellant.

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