



KAMARAJ IAS ACADEMY
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Brahmos missile

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Why is in news? SUCCESSFUL FIRING OF EXTENDED RANGE VERSION OF BRAHMOS AIR LAUNCHED MISSILE AGAINST SHIP TARGET FROM SU-30 MKI AIRCRAFT

Indian Air Force today successfully fired the **Extended Range Version of Brahmos Air Launched missile** against a Ship Target from a SU-30MKI aircraft.

The missile achieved the desired mission objectives in the Bay of Bengal region

With this, IAF has achieved a significant capability **boost to carry out precision strikes** from SU-30MKI aircraft against land/ sea targets over very long ranges.

The extended range capability of the missile coupled with the high performance of the SU-30MKI aircraft gives the IAF a strategic reach and allows it to **dominate the future battle fields**.

The dedicated and synergetic efforts of IAF, Indian Navy, DRDO, BAPL and HAL have been instrumental in achieving this feat.

Brahmos:

Brahmos is the **supersonic cruise** missile.

It is a **joint venture** between the Defence Research and Development Organisation of India (DRDO) and the NPOM of Russia.

It is named after two important rivers; **Brahmaputra and Moskva** of India and Russia respectively.

It is a **two-stage missile**, with a **solid propellant engine** in the first stage and a **liquid ramjet** in the second.

It can be launched from multiplatform, i.e **land, air and sea**.

It works on the '**Fire and Forgets**' principle i.e., it needs no mid-air guiding mandates.

Brahmos is the **fastest cruise missile in the world** currently with the speed of Mach 2.8 (roughly 3 times more than the speed of sound).

The **range of the advanced version** of the missile has increased **from 290 kms (Brahmos) to 350 kms**.

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