

What is Sarmat Missile?

June 21, 2023 • vajiramandravi.com



About Sarmat Missile:

- The RS-28 Sarmat is **Russia's new generation intercontinental ballistic missiles.**
- It is named after the Sarmatian people of the fourth and fifth century BC. It has **also been referred to in the West as the "Satan II".**
- It is **capable of carrying 10 or more nuclear warheads.**
- It is **designed and built by the Makeyev Rocket Design Bureau, Russia.**
- **Features:**
 - It has a **range of about 18,000 kilometres.**
 - It can travel at a **maximum speed of 25,500kph.**
 - **Propulsion: Three-stage, liquid-fueled**
 - **Launch weight: 208,100 kg**

- It can **carry a 10 ton payload** and can **load a wide variety of warhead options**.
 - Sarmat can reportedly **load up to 10 large warheads**, 16 smaller ones, a **combination of warheads and countermeasures**, or hypersonic boost-glide vehicles
 - While the RS-28 Sarmat can be launched much like a regular ICBM, it is thought to be also **capable of what is called fractional orbital bombardment**.
 - A fractional orbital bombardment means **firing an ICBM into a low orbit of the Earth - much lower than a conventional firing** - potentially in the opposite direction to the target.
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Q1) What is a Ballistic Missile?

Ballistic missiles are powered initially by a rocket or series of rockets in stages, but then follow an unpowered trajectory that arches upwards before descending to reach its intended target. Ballistic missiles can carry either nuclear or conventional warheads.

Source: [Putin says Russia's new Sarmat nuclear missiles soon ready for deployment](#)

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