



PARLIAMENT QUESTION: THE ADVANTAGES AND BENEFITS OF BHARATIYA ANTRIKSH STATION

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ISRO has worked out overall configuration of Bharatiya Antariksh Station comprising of five modules. The overall configuration has been reviewed by the National Level Review Committee. In September 2024, Union Cabinet approved development and launch of first module of Bharatiya Antariksh Station (BAS-01) by 2028 as part of revision in scope of Gaganyaan Programme. Overall system engineering of BAS-01 module and technology development activities of various subsystems is progressing in ISRO Centers/Units.

It may be noted that Vikram Sarabhai Space Centre has issued an Expression of Interest to Indian Industries for realization of structure for 1st module of Bharatiya Antariksh Station (BAS).

The current approval is limited to first module of Bharatiya Antariksh Station and the cost of development and launch of first module is estimated as ₹1763 Cr for period of four years (2025 to 2028).

It is targeted to have 1st module of BAS by 2028 and fully operational BAS with all five modules by 2035.

Major technology goals targeted for BAS include rendezvous & docking, robotics, in-orbit refueling, crew quarters, intra vehicular suit, racks for microgravity experiments. Key microgravity research areas targeted include life sciences, pharmaceuticals, material sciences and manufacturing technologies.

This information was given by the Minister of State (Independent charge) for the Ministry of Personnel, Public Grievances & Pensions and In the Prime Minister's Office **Dr. Jitendra Singh** in a written reply in the Lok Sabha today.

NKR/NM

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