

**1. Space Technology (CS)**

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
10,534.5	1. Gaganyaan – Indian Human Spaceflight Program	1.1 Number of Test Vehicle launches conducted during the year	2	1. Development of human spaceflight capability	1.1 % completion of Qualification and validation of Crew Escape System & Parachute system.	48.5%
				2. Timely Launch of Manned flight by 2022	2.1 % Readiness for the Indian Human Spaceflight Program <sup>1</sup>	50%
	2. Design, Development and Launch of satellites	2.1 No. of Earth Observation (EO) satellites launched during the year	1	3. Augmentation of Space Infrastructure for providing continuity of EO and Positional Services with improved capability	3.1 No. of Ministries/ Departments supported.	8
		2.2 No. of Navigation satellites launched during the year	1			
	3. Research & Development and realization of Launch Vehicles	3.1 No. of Polar Satellite Launch Vehicles (PSLV) launched during the year	5	4. Ensuring operational launch services for domestic and foreign Satellites	4.1 No. of satellites launched through PSLV during the year	5

<sup>1</sup>Readiness for the Indian Human Spaceflight Program = (No. of Tests Successfully Completed / Total number of Tests across the Mission) \* 100

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	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23			
			launched during the year.							
		3.3	Number of GSLV Mk-III vehicles launched during the year.	1		4.3	No. of satellites launched through GSLV Mk-III during the year.	1		
		3.4	Number of Small Satellite Launch vehicles (SSLV) launched during the year.	2		4.4	Number of satellites launched through SSLV during the year	2		
	4.	Enhanced coverage of academic and research programs across the country	4.1	Number of new space tech units set up with external agencies during the year	Targets not amenable <sup>2</sup>	5.	Usage of Services for other Purposes	5.1	Revenue generated by providing commercial Launch Services (Rs in Crore)	219.14
			6.	Technology capabilities and working towards self-reliance		6.1	Number of space technologies transferred for social/commercial/ other purposes	30		
				6.2		% Import Dependency <sup>3</sup>	23%			

<sup>2</sup> Six Space Technology Incubation Centres have been setup by DOS/ISRO. There are no immediate plans to setup new space tech units with external agencies during 2022-23.

<sup>3</sup>Import Dependency % = [(Import – Export)/ (Import + Domestic Production – Export)] \*100

## 2. Space Applications (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
1,482.8	1. Design & Development of Payloads/Applications for EO, Navigation, Communication, Disaster Management support	1.1 No. of EO/Communication/Navigation Payloads realized	10	1. Information support for management of natural resource, natural disasters, agricultural planning, infrastructure planning and access to basic services in rural areas.	1.1 % of Major Disaster Events provided Disaster Support <sup>4</sup>	85%
		1.2 No. of New Maps Released (Physical & Web hosting) to support National Missions and User projects	12,000		1.2 No. of Government Schemes/Flagship Programmes/Projects supported	15
		1.3 No. of data/value- added data products hosted for download by the users	5,00,000		1.3 Revenue generated through sale of Remote Sensing data and data products (Rs in Crore)	11
		1.4 No. of unique users for value added data products	28,000		1.4 Number of States/UTs utilizing BHUVAN platform	10
		1.5 No. of downloads of the data/value-added data products	7,20,000		1.5 Number of space technologies transferred for social/commercial/ other purposes	6
		1.6 No. of Ground Stations to be established for NavIC	2		1.6 No. of Sectors enabled for utilising NavIC services through industry standardisation.	2

<sup>4</sup> % of Major Disaster Events Provided Disaster Support = (Number of Events where information support was provided/ Total number of events occurred) \*100