

Department of Space

1. Space Technology (CS)

FINANCIAL OUTLAY  (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicators	Target 2021-22	Outcome	Indicators
10,250.16	1. Gaganyaan – Indian Human Spaceflight Program	1.1 Number of Test Vehicle launches conducted during the year	1	1. Development of human spaceflight capability	1.1 % completion of Qualification and validation of Crew Escape System & Parachute system.	100%
				2. Timely Launch of Manned flight by 2022	2.1 % Readiness for the Indian Human Spaceflight Program <sup>1</sup>	36%
	2. Design, Development and Launch of satellites	2.1 No. of Earth Observation (EO) satellites launched during the year	2	3. Augmentation of Space Infrastructure for providing continuity of EO and Positional Services with improved capability	3.1 No. of Ministries/ Departments supported.	16
		2.2 No. of Navigation satellites launched during the year	1			

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

FINANCIAL OUTLAY  (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicators	Target 2021-22	Outcome	Indicators
	3. Research & Development and realization of Launch Vehicles	3.1 No. of Polar Satellite Launch Vehicles (PSLV) launched during the year	2	4. Ensuring operational launch services for domestic and foreign Satellites	4.1 No. of satellites launched through PSLV during the year	4
		3.2 Number of Geosynchronous Satellite Launch Vehicles (GSLV) launched during the year.	1		4.2 Number of satellites launched through GSLV during the year	1
		3.3 Number of GSLV Mk-III vehicles launched during the year.	0		4.3 No. of satellites launched through GSLV Mk-III during the year.	0
		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	3	5. Usage of Services for other Purposes	5.1 Revenue generated by providing commercial Launch Services (Rs in Crore)	129.35
				6. Technology capabilities and working towards self-reliance	6.1 Number of space technologies transferred for social/commercial/ other purposes	22

FINANCIAL OUTLAY  (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	Output	Indicators	Target 2021-22	Outcome	Indicators	Target 2021-22
2021-22					6.2 % Import Dependency <sup>2</sup>	22%

## 2. Space Applications (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	Output	Indicators	Target 2021-22	Outcome	Indicators	Targets 2021-22
1,476.85	1. Design & Development of Payloads/Applications for EO, Navigation, Communication, Disaster Management support	1.1 No. of EO/Communication/ Navigation Payloads realized	8	1. Information support for management of natural resource, natural disasters, agricultural planning, infrastructure planning and access to basic services in	1.1 % of Major Disaster Events provided Disaster Support <sup>3</sup>	85%
		1.2 No. of New Maps Released (Physical & Web hosting) to support National Missions and User projects	11,000		1.2 No. of Government Schemes/Flagship Programmes/Projects supported	20

<sup>2</sup>Import Dependency % = [(Import – Export)/ (Import + Domestic Production – Export)] \*100

<sup>3</sup> % of Major Disaster Events Provided Disaster Support = (Number of Events where information support was provided/ Total number of events occurred) \*100

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicators	Target 2021-22	Outcome	Indicators
		1.3 No. of data/value- added data products hosted for download by the users	4,80,000	rural areas.	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	1,20,000		1.4 Number of States/UTs utilizing BHUVAN platform	11
		1.5 No. of downloads of the data/value-added data products	7,00,000		1.5 Number of space technologies transferred for social/commercial/ other purposes	15
		1.6 No. of Ground Stations to be established for NavIC	3		1.6 No. of Sectors enabled for utilising NavIC services through industry standardisation.	4

### 3. Space Sciences (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicators	Targets 2021-22	Outcome	Indicators
274.50	1. Undertaking space science and interplanetary	1.1 % Completion Status of Chandrayaan-3	90%	1. Development of indigenous capability for	1.1 No of Space Platforms available for Scientific Observations	4

	missions	1.2 % Completion Status of Aditya-L1	90%	design and development of space infrastructure for better understanding of the Universe	1.2 Volume (in TBs) of Space Science related Data released for Public Utilization	4.1
		1.3 % Completion Status of Xposat	100%		1.3 No. of Publications from Space Science Missions	17
		1.4 No. of Research projects in Academia supported through ISRO programmes across the country	408			
		1.5 No. of Research projects in Academia completed during the year	143			

#### 4. INSAT Satellite Systems (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2021-22			OUTCOMES 2021-22		
	2021-22	Output	Indicators	Targets 2021-22	Outcome	Indicators
329.61	1. Expanding and strengthening the network of communication satellites	1.1 No. of communication satellites successfully launched during the year	2	1. Augment and support the existing services to telecommunication/ television broadcasting, disaster communications, Tele-education and Tele-health services.	1.1 No. of new tele-health nodes added during the current year.	20
		1.2 New ground segments (no of sites) for Satcom applications completed	10		1.2 No. of new tele-education nodes added during the current year	100
					1.3 Revenue generated by providing Satcom services (Rs in Crore)	900

				2. Enhancement of Communication Capacity	2.1 Number of GHz capacity added during the year	29.66
				3. Technology capabilities and working towards self-reliance	3.1 % Import Dependency <sup>4</sup>	38%

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<sup>4</sup>Import Dependency % = [(Import – Export) / (Import + Domestic Production – Export)] \*100