DEPARTMENT OF SPACE Demand No 93

1. Space Sciences(CS)

FINANCIAL OUTLAY (Rs in Cr)		OUTPUTS 2019-20		OUTCOME 2019-20				
2019-20	Output	Indicators	Targets 2019-20	Outcome	Indicators	Targets 2019- 20		
285.8	1 Undertaking space science missions and interplanetar y expeditions	1.1 Realization of Indian Lunar Mission/Chandray aan-II 1.2 Launch of Aditya-L1 Mission 1.3 No. of Publications from Space Science Missions Release of Space Science related Data to Public for Utilization 1.6 No. of Research projects in Academia	1 24 1.5 TB	1 Development of indigenous capability for design and development of space infrastructure for better understandin g of the Universe.	1.1 No. of science missionsundertaken 1.2 Availability of Space Platforms for Scientific Observations.	3		
		supported through ISRO programmes						

2.Space Technology (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2019-20			OUTCOME 2019-20			
2019-20	Output	Indicators	Targets 2019-20	Outcome	Indicators	Targets 2019-20	
8407.59	1 Research & Development design of technologies and realization of space systems for launch vehicles and spacecrafts.	1.1 No. of Earth Observation (EO) spacecrafts ready for launch 1.2 Number of Launches of Polar Satellite Launch Vehicle(PSL V)	4	1 Augmentation of Space Infrastructure for providing continuity of EO Services with improved capabilities	1.1 Introduction of Ocean Colour Monitor with 13 spectral bands 1.2 Sea surface temperature sensor	1	
		1.3 Number of Launches of Geosynchro nous Satellite Launch Vehicle GSLV Mk-	3		1.3 Continuation of Microwave Imaging in C-band.	1	

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2019-20			OUTCOME 2019-20			
2019-20	Output	Indicators	Targets 2019-20	Outcome	Indicators	Targets 2019-20	
		III 1.4 Number of Launches of Geosynchro nous Satellite Launch Vehicle - GSLV Operational Flights	1	2 Ensuring operational launch services for domestic and commercial Satellites. 3 Self-sufficiency in launching 4 Tone class of communication satellites into Geo-synchronous transfer orbit. 4 Self-sufficiency in	2.1 No. of Indigenous launches using PSLV. 3.1 Operational launches of GSLV Mk III 4.1 No of indigenous	3	
				launching 2.5 - 3 Tone class of Communication Satellites into Geosynchronous Transfer Orbit.	launches using GSLV.		

3.Space Applications (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2019-20			OUTCOME 2019-20		
2019-20	Output	Indicators	Targets 2019-20	Outcome	Indicators	Targets 2019-20
1885.45	1 Design & Development of Applications	1.1 No. of EO/Communi cation Payloads	9	1 Information on optimal management of natural resource, natural disasters, agricultural planning,	1.1 Availability of advanced sensors to provide space based information with	9

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2019-20			OUTCOME 2019-20			
2019-20	Output	Indicators	Targets 2019-20	Outcome	Indicators	Targets 2019-20	
	for EO,	realized		infrastructure planning and	improved capability		
	Communicati	1.2 Information	80%	access to basic services in			
	on, Disaster	support for		rural areas.			
	Management	major					
	etc.	disaster					
		events (as %					
		of Total					
		events					
		occurred)					
		1.3 No. of Maps	9,500		1.2 No. of operational	50	
		Released			models, techniques		
		(Physical &			developed and		
		Web hosting)			information services		
		to support			deployed		
		National					
		Missions and					
		User projects					
		1.4 No. of value	4,50,000				
		added data					
		products					
		disseminated					
		to the users					
		(Sales and					
		Free					
		Download)					

4.INSAT Satellite Systems (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2019-20			OUTCOME 2019-20		
2019-20	Output	Indicators	Targets 2019-20	Outcome	Indicators	Targets 2019- 20
884.42	1 Completion and launch of communication satellites	1.1 No. of communication satellites to be launched during the year.	3	1 Augment and support the existing services to telecommunication/ television broadcasting, disaster communications, Tele-education and Tele-health services.	1.1 Augmentation of INSAT/GSAT capacity with launches of communication satellites.	3