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**Information furnished in conformity with the Convention
on Registration of Objects Launched into Outer Space****Note verbale dated 10 May 2024 from the Permanent Mission of
India to the United Nations (Vienna) addressed to the
Secretary-General**

The Permanent Mission of India to the United Nations (Vienna), in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution [3235 \(XXIX\)](#), annex), has the honour to transmit information concerning Indian space launches and objects, launched from Sriharikota, India (see annex).¹

¹ The data on the space objects referenced in the annex were entered into the Register of Objects Launched into Outer Space on 6 June 2024.



Annex

A. Registration data on space objects launched by India during the period January to December 2023 *

Number	Name of the space object	Appropriate designator of the space object (international designator)	Date and territory or location of launch			Basic orbital characteristics				General function of the space object
			Launch vehicle	Launch date	Launch site	Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
Spacecraft										
1.	EOS-7	2023-019A	SSLV-D2	10 February 2023	SDSC, SHAR	450	440	37.2	93.5	Micro-satellite for Earth observation
2.	Azaadisat-2	2023-019B	SSLV-D2	10 February 2023	SDSC, SHAR	450	433	37.2	93.4	Student satellite for demonstration of amateur radio capabilities, measurement of radiation levels
3.	NVS-01	2023-076A	GSLV-F12	29 May 2023	SDSC, SHAR	35 808	35 763	4.9	1 436.05	Navigation satellite
4.	Chandrayaan-3 Lander Module (Vikram)	2023-098A	LVM3 M4	14 July 2023	SDSC, SHAR	Selenocentric Soft landed in the lunar South Polar region on 23 August 2023 Name of the landing site, as accepted by the International Astronomical Union: Shiv Shakti point Lunar Coordinates: Latitude: 69.373 degrees South; Longitude: 32.319 degrees East				To demonstrate soft landing capability at predesignated site in lunar South Polar region and to deploy the Pragyan rover for in-situ experiments <i>Additional voluntary information:</i> Chandrayaan-3 was launched as a composite module consisting of the Propulsion Module and Lander Module and was inserted into lunar orbit on 5 August 2023 The Lander Module was separated from the Propulsion Module on 17 August 2023 and it soft-landed in the lunar South Polar region on 23 August 2023
5.	Chandrayaan-3 Propulsion Module	2023-098C	LVM3 M4	14 July 2023	SDSC, SHAR	306 503	114 586	27.5	16 757	To carry the Lander Module to lunar orbit <i>Additional voluntary information:</i> The Propulsion Module continued to orbit the Moon until 9 October 2023, and with a series of manoeuvres it entered the Earth’s sphere of influence on 22 November 2023
6.	ADITYA-L1	2023-132A	PSLV-C57	2 September 2023	SDSC, SHAR	Sun-Earth Lagrange point (L1)				Comprehensive studies of the Sun from the Sun-Earth L1 point

* The registration data are reproduced in the form in which they were received.

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			Launch vehicle	Launch date	Launch site	Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
Upper stages of launch vehicles (rocket bodies)										
1.	SS3 stage of SSLV-D2	2023-19D	SSLV-D2	10 February 2023	SDSC, SHAR	448	381	37.19	92.87	Third stage of the launch vehicle
2.	VTM stage of SSLV-D2	2023-19E	SSLV-D2	10 February 2023	SDSC, SHAR	451	387	37.19	92.95	Upper stage of the launch vehicle
3.	LVM 3 M3 cryo stage (C25)	2023-043AN	LVM3 M3	26 March 2023	SDSC, SHAR	456	441	87.47	93.56	Upper stage of the launch vehicle
4.	PS4 of PSLV-C55 (POEM-2)	2023-057A	PSLV-C55	22 April 2023	SDSC, SHAR	618	588	9.93	96.75	Upper stage of the launch vehicle
5.	GSLV-F12 cryo stage	2023-076B	GSLV-F12	29 May 2023	SDSC, SHAR	39 933	180	19.3	712.9	Upper stage of the launch vehicle
6.	LVM3-M4 R/B	2023-098B	LVM3 M4	14 July 2023	SDSC, SHAR	35 825	142	21.3	631	Upper stage of the launch vehicle
7.	PSLV-C57 R/B	2023-132B	SLV-C57	2 September 2023	SDSC, SHAR	19 449	233	19.19	342.6	Upper stage of the launch vehicle

Abbreviations

SDSC, SHAR: Satish Dhawan Space Centre, Sriharikota, India.

B. Space objects that re-entered the Earth's atmosphere

Number	Name of the space object	Appropriate designator of the space object (international designator)	Date and territory or location of launch			General function of the space object	Date of decay/ re-entry
			Launch vehicle	Launch date	Launch site		
1.	PSLV-C29 (PS4)	2015-077G	PSLV-C29	16 December 2015	SDSC, SHAR	Upper stage of the launch vehicle	15 January 2023
2.	Megha-Tropiques	2011-058A	PSLV-C18	12 October 2011	SDSC, SHAR	Tropical climate study	7 March 2023
						<i>Additional voluntary information:</i> Controlled re-entry into the atmosphere	
3.	PSLV-C34 (PS4)	2016-040X	PSLV-C34	22 June 2016	SDSC, SHAR	Upper stage of the launch vehicle	19 May 2023
4.	PSLV-C43 (PS4)	2018-096W	PSLV-C43	29 November 2018	SDSC, SHAR	Upper stage of the launch vehicle	1 June 2023
5.	SDSAT	2021-015V	PSLV-C51	28 February 2021	SDSC, SHAR	Space weather study	18 July 2023
6.	INS-1A	2017-008B	PSLV-C37	15 February 2017	SDSC, SHAR	Earth surface reflectance study	30 October 2023

Number	Name of the space object	Appropriate designator of the space object (international designator)	Date and territory or location of launch				
			Launch vehicle	Launch date	Launch site	General function of the space object	Date of decay/ re-entry
7.	INS-1B	2017-008G	PSLV-C37	15 February 2017	SDSC, SHAR	Deep space observation	12 October 2023
8.	LVM3 M4 R/B	2023-098B	LVM3 M4	14 July 2023	SDSC, SHAR	Upper stage of the launch vehicle	15 November 2023
9.	Azaadisat-2	2023-019B	SSLV-D2	10 February 2023	SDSC, SHAR	Amateur radio communication	5 December 2023
10.	Sindhu Netra	2021-015D	PSLV-C51	28 February 2021	SDSC, SHAR	Automatic ship identification	14 December 2023
11.	SSLV-D2 R/B	2023-019D	SSLV-D2	10 February 2023	SDSC, SHAR	Third stage of the launch vehicle	21 December 2023
12.	Kalamsat V2/POEM	2019-006B	PSLV-C44	24 January 2019	SDSC, SHAR	Upper stage of the launch vehicle	21 December 2023

Abbreviations

SDSC, SHAR: Satish Dhawan Space Centre, Sriharikota, India.