



**Committee on the Peaceful
Uses of Outer Space****Information furnished in conformity with the Convention on
Registration of Objects Launched into Outer Space****Note verbale dated 4 April 2019 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 objects and launches relating to the Cartosat, GSAT, Hyperspectral Imaging Satellite, IRNSS, Microsat, GSLV and PSLV missions, launched from the Satish Dhawan Space Centre, Sriharikota, India, and from the Guiana Space Centre, Kourou, French Guiana (see annex).*

* The data on space objects referenced in the annex had been entered into the Register of Objects Launched into Outer Space as at 30 April 2019.



Annex

Registration data on space objects launched by India during 2018*

Number	Name of the space object	Appropriate designator of the space object	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 missions										
1.	Cartosat-2 series satellite	2018-004A	PSLV-C40	12 January 2018	SDSC	511	505	97.44	94.78	Earth observation satellite
2.	Microsat-TD	2018-004T	PSLV-C40	12 January 2018	SDSC	361	352	96.82	91.68	Experimental satellite
3.	GSAT-6A	2018-027A	GSLV-F08	29 March 2018	SDSC	(Mission lost)				Communications satellite
4.	IRNSS-1I	2018-035A	PSLV-C41	12 April 2018	SDSC	35 873	35 696	29.11	1 436.00	Satellite for navigation purposes
5.	GSAT-29	2018-089A	GSLV-Mk-III-D2	14 November 2018	SDSC	35 795	35 777	0.04	1 436.05	Communications satellite
6.	Hyperspectral Imaging Satellite	2018-096A	PSLV-C43	29 November 2018	SDSC	640	627	97.96	97.39	Earth observation satellite
7.	GSAT-7A	2018-105A	GSLV-F11	19 December 2018	SDSC	35 797	35 775	0.05	1 436.06	Communications satellite
8.	GSAT-11	2018-100B	Ariane-5 VA-246	5 December 2018	CSG	35 812	35 761	0.04	1 436.09	Communications satellite
Upper stages of launch vehicles										
1.	PSLV R/B	2018-004U	PSLV-C40	12 January 2018	SDSC	Re-entered on 17 January 2019				Upper stage of PSLV-C40
2.	GSLV R/B	2018-027B	GSLV-F08	29 March 2018	SDSC	22 197	147	20.32	385.64	Upper stage of GSLV-F08
3.	PSLV R/B	2018-035B	PSLV-C41	12 April 2018	SDSC	20 815	230	19.02	364.44	Upper stage of PSLV-C41

* 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)	
4.	PSLV R/B	2018-071C	PSLV-C42	16 September 2018	SDSC	617	574	97.69	96.59	Upper stage of PSLV-C42
5.	GSLV R/B	2018-089B	GSLV-Mk-III-D2	14 November 2018	SDSC	34 111	145	21.49	597.77	Upper stage of GSLV-Mk-III-D2
6.	PSLV R/B	2018-096W	PSLV-C43	29 November 2018	SDSC	487	416	97.41	93.61	Upper stage of PSLV-C43
7.	GSLV R/B	2018-105B	GSLV-F11	19 December 2018	SDSC	23 070	104	19.38	399.40	Upper stage of GSLV-F11

Note: Space objects were launched from the Satish Dhawan Space Centre (SDSC), Sriharikota, India, or from the Guiana Space Centre (CSG), Kourou, French Guiana.