

**GOVERNMENT OF INDIA
SPACE
LOK SABHA**

UNSTARRED QUESTION NO:4107
ANSWERED ON:19.02.2014
LAUNCH OF PRIVATE SATELLITES
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Will the Minister of SPACE be pleased to state:

- (a) whether ISRO has been launching satellites of private companies/universities and foreign countries;
- (b) If so, the details thereof; and
- (c) whether the Government has earned revenue from the said launches and if so, the details thereof during the last three years, year-wise?

Answer

MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG & PENSIONS AND IN THE PRIME MINISTER'S OFFICE (SHRI V. NARAYANASAMY):

(a) Yes, Madam. Indian Space Research Organisation (ISRO) has been launching satellites of Indian universities and foreign countries.

(b) Till date, four satellites from Indian universities and 35 satellites from foreign countries were launched using the Polar Satellite Launch Vehicle (PSLV). The details are as follows:

A. LIST OF SATELLITES FROM INDIAN UNIVERSITIES

SN	University	Number of satellites	Name of Satellite
1.	Anna University, Chennai	1	ANUSAT
	A consortium of 7 Engineering colleges from Karnataka and Andhra Pradesh	1	STUDSAT
3.	SRIM University, Chennai	1	SRMSat
4.	IIT, Kanpur	1	JUGNU
TOTAL		4	

B. LIST OF SATELLITES FROM FOREIGN COUNTRIES

SN	Country	Number of satellites	Name of Satellite
1	Argentina	1	PEHUENSAT-1
2	Algeria	1	ALSAT-2A
3	Austria	2	NLS-8.1, NLS-8.2
4	Belgium	1	PROBA
5	Canada	5	CAN-X2, NLS-5, NLS-6.1, SAPPHERE, NEOSAT
6	Denmark	2	AAUSAT-M, NLS-8.3
7	France	1	SPOT-6
8	Germany	8	DLR-TUBSAT, BIRD, COMPASS-I, RUBIN-B, CUBESAT-1, CUBESAT-2, RUBIN-9.1, RUBIN-9.2
9	Indonesia	1	LAPAN-TUBSAT
10	Israel	1	TECSAR
11	Italy	1	AGILE
12	Japan	3	CUTE-1.7, SEEDS, PROITERES
13	Luxembourg	1	VE3SELSAT-1
14	Netherlands	1	DELFI-C3
15	Republic of Korea	1	KITSAT-3
16	Switzerland	2	CUBESAT-4, NLS-6.2
17	Singapore	1	X-SAT
18	Turkey	1	CUBESAT-3
19	United Kingdom	1	STRAND-1
TOTAL		35	

(c) The satellites built by Indian universities are launched by ISRO as co-passengers with its main satellite. No money is charged for launching the satellites from Indian universities as ISRO is encouraging Indian universities and the student community to build microsatellites to promote and encourage inter-disciplinary technologies.

The satellites from foreign countries are launched by ISRO on a commercial basis under a contract between foreign countries and ANTRIX Corporation Ltd., a Commercial arm of ISRO. The revenue earned by ANTRIX Corporation Ltd. through the launch of satellites for foreign countries during last three financial years (2010-2013) are as follows:

Financial Year	Revenue Earned
2010-2011	2.975 million Euro
2011-2012	1.0 million US Dollar and 0.54 million Euro
2012-2013	21.095 million Euro