

**GOVERNMENT OF INDIA
SPACE
LOK SABHA**

STARRED QUESTION NO:23
ANSWERED ON:25.02.2015
INDIGENOUS SATELLITES
Maurya Shri Keshav Prasad

Will the Minister of SPACE be pleased to state:

- (a) the details of satellites which are under operation in the country;
- (b) whether the Government is seeking foreign assistance/ collaboration for satellite operations and if so, the expenditure incurred for use of foreign satellites each year;
- (c) the extent to which indigenous satellites like K-Band satellites are being used; and
- (d) the action plan of the Government to develop indigenous satellites in the country?

Answer

MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG & PENSIONS AND IN THE PRIME MINISTER'S OFFICE
(DR. JITENDRA SINGH)

(a), (b), A Statement is laid on the Table of the House.

(c)&(d)

STATEMENT LAID ON THE TABLE OF THE LOK SABHA IN REPLY TO STARRED QUESTION NO. 23 REGARDING 'INDIGENOUS SATELLITES' ASKED BY SHRI KESHAV PRASAD MAURYA FOR ANSWER ON WEDNESDAY FEBRUARY 25, 2015.

(a) Currently, 27 satellites are operational in the country comprising of,

(i) 11 Communication Satellites namely, INSAT-3A, INSAT-3C, INSAT-4A, INSAT-4B, INSAT- 4CR, GSAT-7, GSAT-8, GSAT-10, GSAT-12, GSAT-14 and GSAT-16.

(ii) 12 Earth Observation Satellites namely, Resourcesat-2, RISAT-1, RISAT-2, Cartosat-1, Cartosat-2, Cartosat-2A, Cartosat-2B, Oceansat-2, SARAL, Kalpana-1, Megha-Tropiques and INSAT-3D.

(iii) 3 Navigational Satellites namely, IRNSS-1A, IRNSS-1B and IRNSS-1C

(iv) 1 Mars Orbiter Mission

(b) No Madam. Government is not seeking any foreign assistance/ collaboration for satellite operations.

(c) Currently, 95 Ku-band (a part of K band) transponders onboard indigenous communication satellites are being utilized for various communication applications.

(d) As part of XII Five Year Plan (2012-17), action has been taken towards developing 26 indigenous satellites, which includes

(i) 6 Communication satellites namely GSAT-15, GSAT-9, GSAT-6, GSAT-6A, GSAT-7A and GSAT-11

(ii) 13 Earth observation satellites namely, Resourcesat-2A, Cartosat-2C, Cartosat-2D, Cartosat- 2E, GISAT-1, GISAT-2, INSAT-3DR, INSAT-3DS, Cartosat-3A, Cartosat-3B, Technology Demonstrator Micro Satellite (TD-MS), Hyperspectral Imaging Satellite and RISAT-2A;

(iii) 4 Navigation satellites namely IRNSS-1D, IRNSS-1E, IRNSS-1F and IRNSS-1G;

(iv) 3 Space science satellites namely Astrosat, Chandrayaan-2 and Aditya.