

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE

RAJYA SABHA
UNSTARRED QUESTION NO. 1244

TO BE ANSWERED ON THURSDAY, DECEMBER 20, 2018

LAUNCHING OF GSAT-29

1244. SHRI ANAND SHARMA:

Will the PRIME MINISTER be pleased to state:

- (a) the salient features of the heaviest satellite GSAT-29, launched recently by ISRO from Sriharikota;
- (b) whether the launch vehicle GSLV MK-III, utilised for the said satellite, would also be used in Chandrayaan-2 and Gaganyaan Mission;
- (c) if so, the details thereof; and
- (d) whether this satellite would be useful for enhancing communication service in Jammu and Kashmir and North-Eastern States due to its KU and KA Bands?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG &
PENSIONS AND IN THE PRIME MINISTER'S OFFICE

(DR. JITENDRA SINGH):

- (a) GSAT-29 is a multi-beam communication satellite launched on November 14, 2018 onboard GSLV MK III from Sriharikota. The satellite is configured around ISRO's 3000 kg spacecraft bus (I-3K Bus) with a lift off mass of 3423 kg. The satellite carries KA and KU high throughput transponders for providing coverage over Jammu and Kashmir and North East Regions including a KA band steerable beam over Indian Mainland. It also carries experimental payloads like Q/V-Band communication payload, optical communication payload and Geo high-resolution camera payload.
- (b) Yes, Sir.
- (c) The development of GSLV Mk-III Launch vehicle has been successfully completed with two developmental flights (GSLV MkIII-D1 & D2). The first operational flight of GSLV Mk-III (GSLV MkIII-M1) has been identified for the Chandrayaan-2 Mission. The Gaganyaan programme will use the GSLV Mk-III in a human rated configuration along with a Crew Escape System.
- (d) Yes, Sir.
