

- (a) the Total number of satellites with sea surface temperature sensors launched in the year 2019-20;
- (b) the Total number of launches of the PSLV and GSLV MK III vehicles during the year 2019-20;
- (c) the Total number of Maps released during the year 2019-20; and
- (d) the Total number of INSAT satellites launched during the budget year 2019-20?

THE MINISTER OF STATE IN THE DEPARTMENT OF SPACE (DR. JITENDRA SINGH): (a) ISRO/Department of Space has not launched any satellite with sea surface temperature sensor in the year 2019-20.

(b) During 2019-20, 4 PSLVs and 1 GSLV MK-III M1 was launched.

(c) As part of National Mission/ User projects, more than 11,000 maps have been released during 2019-20.

(d) GSAT-30 Spacecraft is one communication satellite which launched in the budget year 2019-20. This was launched on 17th Jan 2020.

Progress to launch GISAT-1 and Chandrayaan 3

2193. SHRI B. LINGAIAH YADAV: Will the PRIME MINISTER be pleased to state:

- (a) whether ISRO made progress and preparations to launch GISAT-1 and also for Chandrayaan-3; and
- (b) if so, the details thereof and progress made?

THE MINISTER OF STATE IN THE DEPARTMENT OF SPACE (DR. JITENDRA SINGH): (a) and (b) GISAT-1 satellite is the next immediately planned launch for ISRO. Chandrayaan-3 configuration has been finalized. Hardware realizations are in progress. Launch is planned in the year 2021.

Space crafts launched by the country

†2194. SHRI LAL SINH VADODIA: Will the PRIME MINISTER be pleased to state:

†Original notice of the question was received in Hindi.