

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE**

LOK SABHA

UNSTARRED QUESTION NO. 189

TO BE ANSWERED ON WEDNESDAY, DECEMBER 07, 2022

SPACE PROJECTS IN LADAKH

189. SHRI JAMYANG TSERING NAMGYAL:

Will the PRIME MINISTER be pleased to state:

- (a) whether the Government has proposed detailed Space Projects in Ladakh, if so, the details thereof;**
- (b) whether the Government has details on the strength and weaknesses of space-related exploration in Ladakh and its impact on the development of Space related projects in India, if so, the details thereof; and**
- (c) whether the Government is planning to open space-related Institutions to pursue space related degrees and research in Ladakh and if so, the details thereof?**

ANSWER

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

- (a) Government of UT – Ladakh has approached the Indian Institute of Remote Sensing (IIRS), a unit of Indian Space Research Organisation (ISRO) for developing “Spatial Data Infrastructure geoportal ‘Geo-Ladakh’ for UT-Ladakh”. The project encompasses spatial database generation (water resources, vegetation and energy potential) using remote sensing, geospatial techniques and the development of a Geo-portal for hosting this database. The project also aims towards training of UT-Ladakh officials on Geospatial techniques and applications. Portal provides geospatial data visualization and analytics for UT-Ladakh, consisting of Spatial viewer, Carbon Neutrality, Geospatial utility mapping and Geo-Tourism. An MoU was also signed between IIRS (ISRO) and UT-Ladakh Administration on January 1, 2022 towards carrying out the above work.**
- (b) The potential of space technology could be used for generating the spatial database on time series snow cover, fresh water availability, sites for renewable energy potential (solar and wind), availability of alpine pastures/grazing lands for natural resource management and change assessment at periodic interval.**
- (c) Presently, ISRO is setting up an optical tele-scope at Hanle for tracking spacecraft and space objects.**
