GOVERNMENT OF INDIA

DEPARTMENT OF SPACE

RAJYA SABHA

UNSTARRED QUESTION NO. 1569

TO BE ANSWERED ON THURSDAY, FEBRUARY 12, 2026

USE OF SPACE TECHNOLOGIES FOR ODISHA

1569. SHRI SUBHASISH KHUNTIA:

Will the PRIME MINISTER be pleased to state:

(a) whether space-based technologies are being utilized for disaster management, coastal monitoring and resource mapping in Odisha, and;

(b) if so, the details of ongoing or proposed projects for the State; and

(c) if not, the reasons for not expanding such applications in the State?

ANSWER

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

(DR. JITENDRA SINGH):

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(a) to (c)

Space-based technologies are being utilized in Odisha for disaster management applications such as satellite based tropical cyclo-genesis; track; intensity & landfall prediction, thunderstorm nowcasting, flood hazard zonation & flood inundation mapping and forest fire detection & burnt area mapping.

Towards coastal monitoring, space-based mapping of shoreline using satellite data of 2024-2026 time-frame is planned, including analysis of decadal change.

In the domain of resource mapping, the ongoing projects include in-season crop monitoring, plot-level validation of paddy crop maps, digital crop survey, mapping & survey of forest areas, space inputs for forest working plan preparation, mapping of cultivable command area, integrated irrigation project for climate resilient agriculture, river sand mapping, mining lease area survey for major & minor minerals, ground water prospects mapping, urban waterbody information system and land use land cover (annual & five yearly).

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