GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURE AND FARMERS WELFARE

LOK SABHA
UNSTARRED QUESTION NO. 1946
TO BE ANSWERED ON THE 01ST AUGUST, 2023

SATELLITE COVERAGE OF AGRICULTURE ACTIVITIES

1946. SHRIMATI RAKSHA NIKHIL KHADSE:

Will the Minister of AGRICULTURE AND FARMERS WELFARE कृषि और किसान कल्याण मंत्री be pleased to state:

(a) whether the Government has installed satellites for coverage of the agriculture activities which can be used for data collection and suggesting remedial solutions for the activities involved and save damages from natural calamities and diseases attacks which covers total area under cultivation across the country;

(b) whether the Government proposes additional satellites with high revisit capabilities to guarantee adequate coverage of the agriculture area across the country as the present satellite is not enough to cover as the crop yield is not happening over a week and happens in few months and;

(c) if so, the details thereof?

ANSWER

MINISTER OF AGRICULTURE AND FARMERS WELFARE
कृषि और किसान कल्याण मंत्री (SHRI NARENDRA SINGH TOMAR)

(a) Indian Space Research Organisation (ISRO) has launched Resourcesat -2A, Radar Imaging Satellite (RISAT) – 1A (Earth Observation Satellite-04) in polar orbits and Indian National Satellite (INSAT) 3D, INSAT-3DR in geostationary orbits to provide data for enabling support for various agricultural activities viz., assess total area under cultivation, assess damages from natural calamities and disease attacks and Agro-met services across the country.

(b) & (c): ISRO has proposed the launch of following satellites:

- Resourcesat-3 & 3A medium resolution satellite with combined repitivity of 2 days,
- Resourcesat-3S & 3SA high resolution satellite with 4 days revisit capability,
- RISAT-1B can image day and night and all-weather conditions. RISAT-1B along with RISAT- 1A will cover same area by around 12 days,
- INSAT – 3DS in geostationary orbit with coarse resolution and daily multiple imaging capability.

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