GOVERNMENT OF INDIA
DEPARTMENT OF SPACE

LOK SABHA
UNSTARRED QUESTION NO. 3051

TO BE ANSWERED ON WEDNESDAY, MARCH 16, 2016

NEMO-AM

3051. SHRI ASADUDDIN OWAISI:

Will the PRIME MINISTER be pleased to state:

(a) whether Space Application Centre (SAC) of ISRO and Space Flight Laboratory (SFL) Institute for Aerospace Studies of Toronto University are working on development of Next Generation Earth Monitoring and Observation and Aerosol Monitoring (NEMO-AM) satellite;

(b) if so, the details thereof;

(c) the main benefits from this satellite after its positioning;

(d) the time by which satellite is likely to be launched; and

(e) the total expenditure likely to be incurred on this project?

ANSWER

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

(DR. JITENDRA SINGH):

(a) Space Flight Laboratory (SFL), Institute for Aerospace Studies of Toronto University is developing a Nanosatellite for Earth Monitoring and Observation – Aerosol Monitoring (NEMO-AM) on a turnkey basis as per the agreement entered with Indian Space Research Organisation (ISRO).

(b) **An agreement was entered into between the Governing Council of University of Toronto represented by the Institute for Aerospace Studies (Space Flight Laboratory) and ISRO for the development of NEMO-AM. The satellite will have a science instrument for recording light reflected from earth surface and atmospheric aerosol in three different spectral channels and in two polarizations from different viewing angles.**

(c) **The main benefits from this satellite include - development of space based aerosol optical thickness retrieval technique, study of spatial variability of aerosol over selected regions, utilisation of aerosol properties in atmospheric correction scheme in land and ocean applications.**

(d) **The launch of NEMO-AM satellite is expected by 2018-19 timeframe.**

(e) **The expenditure likely to be incurred towards NEMO-AM satellite is 2,668,066 Canadian Dollar.**

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