

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOK SABHA
UNSTARRED QUESTION NO.1856
TO BE ANSWERED ON FRIDAY, FEBRUARY 12, 2021**

DEVELOPMENT OF ENFUSER

1856. SHRI TALARI RANGAIAH :

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether the Government has developed Environmental Information Fusion Service (ENFUSER) and made its services operational for Delhi;
- (b) if so, the details thereof and the manner in which ENFUSER helps to reduce pollution; and
- (c) the other measures being taken by the Government towards abatement of pollution in the country particularly in Delhi?

ANSWER

**MINISTER FOR MINISTRY OF SCIENCE AND TECHNOLOGY AND
MINISTRY OF EARTH SCIENCES
(DR. HARSH VARDHAN)**

- (a) Yes, Sir. India Meteorological Department (IMD) in collaboration with the Finnish Meteorological Institute implemented high resolution model Environmental information Fusion Service (ENFUSER) Air Quality Forecast model for Delhi.
- (b) ENFUSER model for Delhi provides high resolution Air Quality Forecast for Particulate Matter (PM10 and PM2.5) and other gaseous pollutants such as CO, NO₂, O₃ and SO₂ over Delhi. The ENFUSER utilises measurement data such as air quality observations, traffic flow, a detailed description of the road network, buildings, land-use information, high-resolution satellite images, ground elevation and population data. ENFUSER is useful to identify the air pollution hotspots and pollution up to street level. The air pollution forecast is made available on IMD website :www.imd.gov.in .
- (c) Air Pollution Control agencies utilize the air quality forecast generated using various forecast models to control the pollution in Delhi and entire country.
