

GOVERNMENT OF INDIA  
MINISTRY OF EARTH SCIENCES  
**RAJYA SABHA**  
UNSTARRED QUESTION No. **2837**  
TO BE ANSWERED ON THURSDAY, DECEMBER 18, 2014

**PREDICTION OF FOG BY METEOROLOGICAL DEPARTMENT IN 2015**

**2837. SHRI S. THANGAVELU:**

Will the Minister of **EARTH SCIENCES** be pleased to state:

- (a) whether it is a fact that Indian Meteorological Department (IMD) has predicted a total of about 100 hours of fog and a couple of freak fog days in December, 2015 in Delhi;
- (b) whether the IMD has also predicted the fog condition in respect of other parts of the country, if so, the details thereof; and
- (c) whether it is also a fact that the IMD is considering sending SMS and e-mailing alerts to passengers with 18 hours forecast before flights, and if so, the details thereof?

**ANSWER**

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

- (a-b) No Sir. Earth System Science organization-India Meteorological Department (ESSO-IMD) does not issue seasonal and monthly forecasts for fog. This is the information generated for IGI Palam Airport based on climatology prepared on the basis of data for the period 1980-2010. The number of days with fog in other cities of northern India during December to February is given in Annexure –I.
- (c) ESSO-IMD disseminates real time updates of possible fog development scenario to Airport Authority of India (AAI) and Airport Operators/Airlines for taking appropriate action further.

## Annexure-I

| Station                    | No. of Days with Fog (Visibility < 1 Km.) |      |      |
|----------------------------|---|------|------|
|                            | Dec.                                      | Jan. | Feb. |
| <b>UTTAR PRADESH</b>       |   |      |      |
| Agra                       | 0.7                                       | 1.2  | 0.1  |
| Lucknow                    | 6.6                                       | 7.2  | 1.2  |
| Baharaich                  | 3.3                                       | 5.3  | 0.9  |
| Gorakhpur                  | 6.1                                       | 10.0 | 1.6  |
| Sultanpur                  | 6.3                                       | 4.9  | 1.5  |
| Kanpur                     | 8.7                                       | 8.9  | 2.4  |
| Allahabad                  | 3.5                                       | 5.1  | 1.1  |
| <b>PUNJAB</b>              |   |      |      |
| Amritsar                   | 9.5                                       | 8.3  | 2.3  |
| Patiala                    | 5.4                                       | 5.1  | 1.3  |
| Ludhiana                   | 5.4                                       | 5.6  | 1.4  |
| <b>UTTARAKHAND</b>         |   |      |      |
| Mukteshwar                 | 1.8                                       | 2.6  | 3.2  |
| <b>HARYANA</b>             |   |      |      |
| Ambala                     | 4.1                                       | 4.7  | 1.0  |
| Rohtak                     | 8.6                                       | 7.8  | 4.3  |
| Gurgaon                    | 4.1                                       | 3.1  | 1.6  |
| Hissar                     | 3.7                                       | 4.5  | 1.3  |
| <b>Jammu &amp; Kashmir</b> |   |      |      |
| Jammu                      | 1.5                                       | 1.2  | 0.1  |
| <b>MADHYA PRADESH</b>      |   |      |      |
| Gwalior                    | 1.2                                       | 2.4  | 0.5  |
| <b>RAJASTHAN</b>           |   |      |      |
| Dholpur                    | 1.2                                       | 1.4  | 0.1  |
| Phalodi                    | 0.3                                       | 1.2  | 0.3  |
| Churu                      | 1.9                                       | 2.4  | 1.0  |
| Pilani                     | 1.8                                       | 2.6  | 1.0  |
| Bharatapur                 | 5.6                                       | 7.8  | 1.7  |
| Jaisalmer                  | 1.0                                       | 0.9  | 0.4  |
| <b>BIHAR</b>               |   |      |      |
| Patna                      | 8.7                                       | 10.1 | 2.8  |
| Purnea                     | 1.1                                       | 3.0  | 0.3  |
| Bhagalpur                  | 0.7                                       | 2.3  | 0.4  |

| <b>JHARKHAND</b>   |     |      |     |
|--------------------|-----|------|-----|
| Daltonganj         | 0.8 | 1.3  | 0.2 |
| Ranchi             | 0.9 | 2.1  | 0.6 |
| <b>WEST BENGAL</b> |     |      |     |
| Jalpaiguri         | 4.0 | 2.7  | 1.0 |
| Coochbehar         | 1.3 | 4.8  | 0.7 |
| Darjeeling         | 2.9 | 7.5  | 5.8 |
| Kolkata            | 2.7 | 4.4  | 1.4 |
| Diamond Harbour    | 1.4 | 2.2  | 2.0 |
| Malda              | 9.7 | 10.9 | 6.4 |
| Midnapore          | 4.0 | 1.7  | 0.7 |
| <b>SIKKIM</b>      |     |      |     |
| Gangtok            | 3.3 | 4.8  | 4.8 |