

GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
RAJYA SABHA
QUESTION NO 18.11.2010
ANSWERED ON
INFRASTRUCTURE UPGRADATION OF IMD .

1014

Smt. Viplove Thakur

Will the Minister of COALCOALCOALCOAL EARTH SCIENCES be pleased to state :-

- (a) the progress made in the upgradation of the observational infrastructure of the Indian Meteorological Department (IMD) and its computing power to provide better forecasting of the weather and monsoon in the country;
- (b) whether the ability of the IMD to accurately forecast cloudburst well in advance has improved; and
- (c) if so, the details thereof?

ANSWER

MINISTER OF HUMAN RESOURCE DEVELOPMENT, MINISTER OF SCIENCE AND TECHNOLOGY,
MINISTER OF EARTH SCIENCES AND MINISTER OF TELECOMUNICATION AND INFORMATION
TECHNOLOGY

(SHRI KAPIL SIBAL)

(a) Detailed Progress of commissioning advanced observing systems is presented below:

Observational Instrument Number planned for Phase I Achievement till 31st October
2010

Automatic Rain Gauges (ARG)	1350	334
Automatic Weather Stations (AWS)	550	494
Doppler Weather Radar (DWR)	16	2
Wind Profiler	7	In progress
Pilot Balloon	70	65
Aeronautical Instrumentation	28	8
Upgraded RS/RW	25	11

Upgradation of observing system along with its connectivity with high performance computing system, installation of digitised forecasting platform and dissemination in real time to the end users are to be developed by March 2011 under phase-I of the modernization programme.

The salient features of new forecasting system implemented during 2010 include: Global Forecast System for forecast up to 7 days Regional Forecast System for forecast up to 3 days Meso-scale Forecasting System for forecast up to 48 hours Now-casting up to 3-6hrs

(b) While with the help of high performance computing and modern observation systems the capacity of India Meteorological Department (IMD) to predict weather has improved, forecast of cloud burst still remains uncertain with current science.

(c) Does not arise.