

## Fourth National Fog Workshop on

**“IMD’s Fog Monitoring, Forecasting and Dissemination system of 2011-12”  
On 30 Dec, 2011**

**Organized by IMD at Meteorological office, ATC Complex, New Delhi  
at IGI Airport**

During recent years, occurrences of large-scale intense fog conditions over Indo-Gangetic Plains in each winter have been causing very low visibility over most parts of the region. Study shows its development; intensification and persistence are so unique that it may be rare in any other part of the world. During some seasons, it extends for some period from Pakistan to Bangladesh across plains of North India roughly covering 1500 thousand sq KM once it is at its peak of occurrences e.g. as was during many days in Dec of 1997, 1998 and Jan of 2003 and 2010. It affects various sectors of the region severely as noted below and hence been classified as very high impact weather event:

- Aviation, Railway, Highway transport and other transport sector because of absence of desired visibility minima thus severely affecting their operation
- Agriculture as it affects severely many Rabi crops like mustards at flowering stage and vegetable crop by its scorching effect
- Ferry Services in Bihar, Assam, UP etc. by affecting many inland water ways in the Indo-Gangetic region especially those over Ganges, Brahmaputra who have high fog occurrences.
- Power Grid as it affects severely power distribution when it trips due to prevailing of higher moisture in droplet forms and often associated with pollutants having electro-chemically charged particles.
- Human Health is also severely affected as its persistence over most parts of northwestern plains of India till noon of a day keeps day temp very much lower than normal causing problems to old and children of the region.

Region or city wise impact factor shows at IGI Airport, Delhi, it has alone been causing hundreds of flight diversions and cancellations while in the region, it has been also the major cause of railway and road accidents across North India including over NCR Delhi.

For managing fog related problems more effectively, a close co-ordination and discussion among various stake holders and users communities with **meteorological instrument experts, forecasters, observers, and researchers from various offices of IMD and other institutions/Universities of India** are very much need of the hour for conveying new techniques of improvement of

present Fog services of IMD which will help in minimizing the losses of its impact. Hence, it is proposed to organize Fourth National Fog Users interactive Workshop on “Fog Monitoring, Forecasting and Dissemination system of 2011-12” **on 30 Dec, 2011 at Met office, ATC Complex, IGI Airport, New Delhi** . The workshop will provide unique opportunities to both Fog service users and Fog experts to discuss various new issues related to the better fog monitoring and forecasting and their disseminations for the season 2011-2012. The Participants will be flight operational managers from various commercial airlines and Corporate Air Services, IAF, Indian Navy, Terminal managers from airport operator like DIAL, ATS of AAI, Airlines regulator like DGCA, Railways, Highway Transport and urban traffic management authorities, Power Grid of India, Agricultural Departments, etc. and officers from IMD forecasting and research community and researchers of other institutes. The workshop will also discuss about possible implementation various new strategies related to Fog Monitoring, Forecasting and Dissemination services to start during the winter of 2011-12 with special emphasize for IGI airport to manage the season more effectively.

**Mode of outside Participation:** The workshop is open to all researchers/experts who are working in this field and for new users who wish to use this Fog service. However, he has to submit one page abstract summarizing his works in case wish to participate as expert/researcher or one page brief summery about utility of present IMD Fog services in case he likes to participle as an user. They have to be given 10-minute for presenting their Paper at the workshop. There will not be any registration fee. The one day workshop includes a free Lunch/Tea.

**Total Number of Participation outside IMD and its regular users has been fixed as 32 in numbers.**

### **Convenor**

**All communication including suggestion about the Fog Workshop including submission of abstract may be sent to**

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