



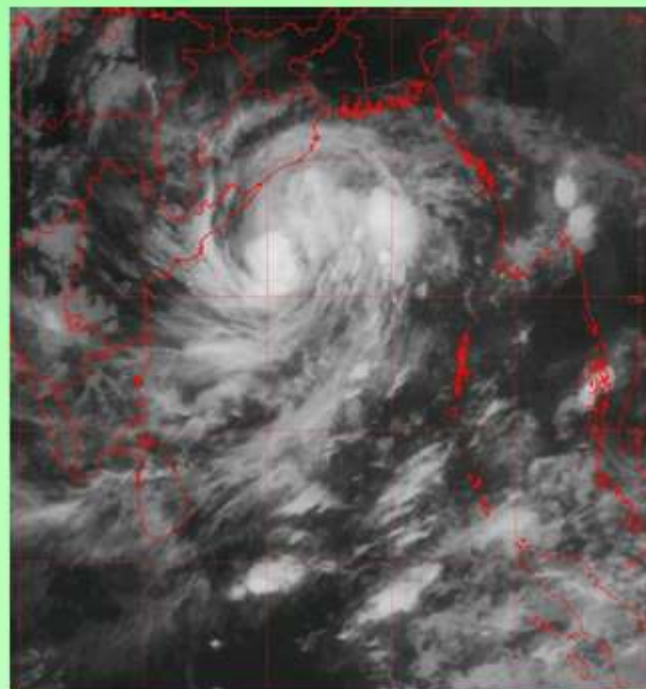
**India Meteorological Department**



**Ministry of Earth Sciences**

# **National Conference on Bay of Bengal Tropical Cyclones Experiments (BOBTEX-2011)**

**New Delhi  
(1-2 November 2011)**



**Organised by  
India Meteorological Department,  
Mausam Bhavan, Lodi Road,  
New Delhi-110003 (India)**

## Background

During the past few years huge technological advancements have been achieved elsewhere in the world to observe the inner core of the cyclone. Accordingly a programme has been evolved for improvement in prediction of track and intensity of tropical cyclones over the Bay of Bengal resulting in planning of the Forecast Demonstration Project (FDP).

FDP programme is aimed to demonstrate the ability of various NWP models to assess the genesis, intensification and movement of cyclones over the north Indian ocean with enhanced observations over the data sparse region and to incorporate modification into the models which could be specific to the Bay of Bengal based on the in-situ measurements and following the actual track through Satellite and Radar observations. FDP Programme is scheduled to be implemented in three phases.

- (i) Pre- pilot phase : 15 Oct-30 Nov. 2008, 2009, 2010
- (ii) Pilot phase : 15 Oct-30 Nov. 2011
- (iii) Final phase : 15 Oct-30 Nov. 2012

India is planning to take up aircraft probing of cyclones over the Bay of Bengal during 15 Oct.- 30 Nov., 2011 & 2012 with hiring of aircraft and dropsonde experiments.

Several national institutions participated for joint observational, communicational & NWP activities during the pre-pilot phases of FDP campaign. Enhanced observations during Intense Observation Period (IOP) helped in improved monitoring and prediction of cyclonic disturbances. The additional data was collected from Sagar Kanya cruise, enhanced AWS network of the coast, five activated buoy observations from the Bay of Bengal, Oceansat-II observations, and microwave imagery products during 2010.

As a result of above, the cyclone track forecast errors reduced in 2010 compared to previous FDP campaign. It also helped in refining the Standard Operating Procedure and strengthening the multi-institutional mechanism and NWP modelling. Various lessons were also learnt from these FDP campaigns, which will further help in improving the campaign in future.

Various research groups in the country have taken up studies on various aspects of cyclone monitoring and prediction based on field experiments during 2008-2010. Considering these, a two days National Conference is being organised in New Delhi during 1-2 November 2011. The conference will bring together leading experts, both from research and operational meteorological environments. It is intended that the conference will be a first step towards an ongoing focus on impact of surface, upper air and space based observations in operational cyclone forecasting and NWP modelling in the north Indian Ocean. The purpose of the conference is to discuss the science related to field experiments on tropical cyclones and future plans. Topics of the conference will include those related to current status of operational tropical cyclone forecasting and early warning systems, tropical cyclone genesis, structure, intensification, movement and landfall processes based on the field experiments conducted during 2008-10.

### **Conference Theme**

The broad thematic areas of the conference are:

- Observational and climatological aspects of cyclones
- Cyclogenesis, Structure, Intensification and Movement
- NWP modelling
- Recent advances in Operational Tropical Cyclone Forecasting and warning Systems
- Case studies of the cyclones during 2008-10

### **Conference Venue and duration**

The conference will be organised in New Delhi. The conference will begin with an opening ceremony in the morning of Tuesday, 1 November 2011 and conclude in the afternoon of Wednesday, 2 November 2011.

### **Call for Abstracts**

Participants interested in presenting papers should submit extended abstracts, not exceeding 500 words (including diagrams and references, if any) on or before, 17 October, 2011. Abstracts may be submitted through electronic mail in MS

Word format in Times New Roman with 12 pt font and single spacing. The abstract should include title, name(s) of author(s) and affiliation(s), address including e-mail ID, and should include the presenting author. It should be sent to Cyclone Warning Division of IMD (Conference Secretariat) via e-mail [cwdhq2008@gmail.com](mailto:cwdhq2008@gmail.com).

### **Publication Plans**

The abstracts will appear in Conference Proceedings to be published by the IMD. Few selected papers will be published in a special issue of MAUSAM. Potential authors are advised to follow the instructions on the preparation of manuscripts found on the journal MAUSAM.

### **Registration**

There will be no registration fee for the participants. However, the participants are requested to fill up the registration form to enable the organisers to prepare for the conference.

### **Deadlines to Remember**

Last date of submission of abstracts: **17 October, 2011**

Acceptance of Abstracts: **20 October, 2011**

Submission of full paper: **31 October, 2011**

Last date of registration: **20 October, 2011**

### **Travel and Accommodation**

Every effort will be made to arrange transport to the delegates from the airport to the hotel/guest house. Please indicate your flight number, arrival date and time in the registration form. For commuting between the hotel and the meeting venue, transport will be provided by the Organiser (IMD, New Delhi). Participants are requested to make their own arrangement for their hotel accommodation through the hotel. Limited seats are also available in IMD Guest House, which can be provided on request.

## **Climate**

The month of November is the peak tourist month in Delhi. The climatological data during the month of November are given below:

Maximum Temperature	: 28.3 °C
Minimum Temperature	: 12.8 °C
Humidity (mean) at 0830 hrs local time	: 61%
Humidity (mean) at 1730 hrs local time	: 40%
Rainfall (mean)	: 5.0 mm
No. of rainy days (rain $\geq$ 2.5 mm)	: 0.1 days

## **Secretariat**

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### **Contact Persons:**

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## **REGISTRATION FORM**

**National Conference on Bay of Bengal**

**Tropical Cyclones Experiments**

**(BOBTEX-2011)**

**IMD, New Delhi**

**1- 2 November, 2011**

**Name:**

**Position:**

**Institution:**

**Address:**

**Telephone:**

**E-mail:**

**Fax:**

**Do you wish to present a paper?**

Yes

No

**Title of your Paper and Authors**

**Do you intend to present a full paper for the peer reviewed conference volume?**

Yes

No

**Do you need us to arrange transport and accommodation for you at IMD Guest House on payment basis?**

Yes

No

**If Yes, give details of your Travel plan**

**Date and time of Arrival and Airline:**

**Date and time of Departure and Airline:**