

SAARC Meteorological Research Centre

PROGRAMME OF SEMINAR

ON

“NOR’WESTERS AND TORNADOES OVER THE SAARC REGION AND THEIR FORECASTING and PREPAREDNESS”

Date: 20-21 August 2008

Venue: Seminar Hall of SMRC, Plot No. E-4/C, Agargaon Sher-E-Bangla Nagar, Dhaka

DAY-1: 20 AUGUST 2008

09:00-09:30 A.M. REGISTRATION

09:30-10:30 A.M. INAUGURATION

10:30-11:00 A.M. T E A B R E A K

TECHNICAL Session-1: OBSERVATION AND FORECASTING TECHNIQUE OF THUNDERSTORMS: PART-1

CHAIRMAN: Dr. Nazrul Islam, SMRC RAP: Mr. Abdul Hameed, SMRC

SL	TIME (BST)	TOPIC	SPEAKER
1	11:00-11:40 A.M.	Keynote Paper: Coordinated Field Experiment on Severe Thunderstorm Observations and Regional Modeling over the SAARC Region	Dr. Someshwar Das, SMRC
2	11:40-12:00 A.M.	Study of Some Sounding Indices before Nor’westers	Mr. Syed Abul Hasanat, BMD, Bangladesh
3	12:00-12:20 A.M.	Thunderstorms in Bhutan	Mr. Tayaba Buddha Tamang MS, DoE, Bhutan
4	12:20-12:40 P.M.	Analysis of Severe Thunderstorms in Gangetic West Bengal Region During Pre-monsoon Period of Year 2008 using DWR Data.	Dr. Devendra Pradhan, IMD, India
5	12:40-01:00 P.M.	Study of Thunderstorms around Kathmandu valley during pre-monsoon season.	Mr. Sudeep P Kayastha, DHM, Nepal

PRAYER AND LUNCH BREAK : 01:00-2:00 P. M.

TECHNICAL SESSION-2: OBSERVATION AND FORECASTING TECHNIQUE OF THUNDERSTORMS: PART-2

CHAIRMAN: Dr. S.D. Pawar, India RAP: Dr. B.R.S.B. Basnayake, SMRC

SL	TIME (BST)	TOPIC	SPEAKER
6	02:00-02:20 P.M.	Tornadoes, Nor’westers and Their Forecasting	Mr. Abdul Hameed, SMRC
7	02:20-02:40 P.M.	An outbreak of Tornado on 28 March 2001: A case study	Mr. Nadeem Faisal, PMD, Pakistan
8	02:40-03:00 P.M.	Tornadoes in Sri Lanka	Mr. P.D. Ananda Perera, Dept. of Meteorology, Sri Lanka
9	03.00-03:20 P.M.	Study of thunderstorm events over Bangladesh during pre-monsoon 2008 using RADAR and TRMM products	Mr. Mizanur Rahman, SMRC
10	03:20-03:40 P.M.	Correlation between stability indices derived from NCEP’s GDAS Data and thunderstorm occurrence in Bangladesh	Md. Abdul Mannan, BMD, Bangladesh

T e a B r e a k : 03:40-04:00 P. M

Continuation of Session-2

11	04:00-04:20 P.M.	Initiation of Nor’westers as derived from METEOSAT-5 images.	Dr. Debasish Lohar Jadavpur University, India.
12	04:20-04.40 P.M.	Environmental parameters associated with outburst of severe local storms over Bangladesh	Yusuke Yamane Kyoto University, Japan
13	04:40-05:00 P.M.	Study of Kinematic and Convective parameters related to Thunderstorms over Bangladesh during March-May 2008	Mr. M.A. Sarker, SMRC
14	05:00-05:20 P.M.	People’s Response to Kal-Baisakhi: A perception study in neighborhood of Satiniketan, West	Ms. Soma Chatterjee Mandal, Visva-Bharati University, India

DAY-2: 21 AUGUST 2008

TECHNICAL SESSION-3: MODELLING AND ELECTRIC FIELD ASSOCIATED WITH THUNDERSTORMS

CHAIRMAN: Dr. Someshwar Das, SMRC, RAP: Md. Ashfaquur Rahman

SL.	TIME (BST)	TOPIC	SPEAKER
1	09:00-09:30 A.M	Characteristics of thunderstorms in pre-monsoon period	Dr. Md. Nazrul Islam, SMRC
2	09:30-09:50 A.M	Electric field changes and lightning characteristics in North Eastern Indian thunderstorms	Dr. S.D. Pawar Indian Institute of Tropical Meteorology, Pune, India
3	09:50-10:10 A.M	Electrical characteristics of Nor'westers at Kharagpur	Dr. V.Gopalakrishnan Indian Institute of Tropical Meteorology Pune, India
4	10:10-10:30 A.M	A pilot study on the role of convective instability on isolated heavy rainfall over Sylhet, Bangladesh	Dr. Somenath Dutta IMD, India

T E A B R E A K : 10:30-10:50 A.M.

TECHNICAL SESSION-4: NUMERICAL SIMULATION OF THUNDERSTORMS

CHAIRMAN: Mr. Abdul Qayoom Khan, SMRC, RAP: Md. Abdul Mannan

SL	TIME (BST)	TOPIC	SPEAKER
5	10:50-11:10 A.M	Composite characteristics of Nor'westers in and around Bangladesh using WRF model	Dr. B.R.S.B. Basnayake, SMRC
6	11:10-11:30 A.M	Characteristics of Nor'westers in and around Bangladesh	Ms. Nazlee Ferdousi, SMRC
7	11:30-11:50 A.M	Impact of Boundary Layer Parameterization scheme on the simulation of Nor'westers	Md. Ashfaquur Rahman, SMRC
8	11:50-12:10 A.M	A Diagnostic Study of Synoptic and Environmental Conditions Associated with Nor'westers in and around Bangladesh using MM5 Model	Mr. M .N. Ahasan, SMRC

PANEL DISCUSSION:

CHAIRMAN: Mrs. Arjumand Habib, Director, SMRC

12:15-01:15 P.M	Group Discussion and Recommendations
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PRAYER AND LUNCH BREAK : 01:15-02:15 P.M.

Group Photo : 02.15-02.30 P.M.

Sight Seeing : 02:30 P.M. onwards

Place to Visit : Parliament House and Lalbag Fort

CLOSING OF DAY-2
