



CELEBRATION OF WORLD METEOROLOGICAL DAY 2012

Every year, on 23rd of March, World Meteorological Organization (WMO) and the international meteorological community celebrate the World Meteorological Day traditionally focused on a selected key subject. The theme for World Meteorological Day 2012 is “Powering our future with weather, climate and water” in particular to illustrate the benefits provided by weather, climate and water. The international meteorological community stressed upon the four Sectors-disaster risk reduction, water, health and food security-as priority sector to be addressed. In this context, the emphasis were also given upon other emerging societal problems like Farming, Transport, Trade and Tourism, Energy and Sustainable Cities.



Dr. Y. E. A. Raj, DDGM Chennai addressing the gathering

On this occasion, India Meteorological Department, (H. Q.), New Delhi, and all regional/sub-offices of RMCs, MCs, MOs and AMOs remained open for the public and students. With reference to main theme exhibitions were arranged and posters depicting the tectonic structure of the earth, earth quake zones, Tsunamis, Cyclonic storms, Thunderstorms, AWS, DWR etc. were also displayed.

Dr. A.K. Barbara, Emeritus Prof., Department of Physics, Guwahati University delivered the Key Note address. He stressed upon the need of meteorological services in every sphere of human activities.



Shri Awadhesh Kumar, DDGM RMC Guwahati and invited dignitaries

Dr. N. K. Ambujam, Prof. Centre for Water Resources, Anna University, Chennai and Shri T. Ramakrishnan, Deputy Chief of News Bureau, The Hindu, Anna Salai, Chennai delivered lectures on the theme during celebration at RMC Chennai. A talk in English and in Tamil on the theme of World Meteorological Day-2012 “Powering our future with weather, climate and water” by Dr. Y. E. A. Raj, DDGM, RMC Chennai was broadcasted in AIR Chennai on 22nd March 2012. Dr. R. Suresh, Sc. ‘E’, also participated in a programme on the theme, at DD Podhigai channel telecasted on 22nd March.

Dr. Medha Khole, Sc. ‘E’ delivered a radio talk on the theme “Powering our future with weather, climate and water”, on 23rd March 2012.

NATIONAL SCIENCE DAY

National Science Day is celebrated in India Meteorological Department on February 28 each year to mark the discovery of the Raman Effect by Indian physicist Sir Chandrasekhara Venkata Raman on 28 February 1928 who was awarded the “Nobel Prize” in Physics in 1930. It is celebrated at H. Q., New Delhi and all sub-offices of the department. On this occasion exhibition were arranged and offices were remained open to popularize among general public, students, and other academicians.



Editorial Team

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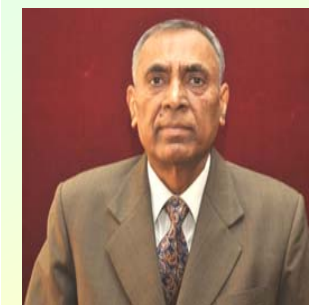
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RELEASE OF PUBLICATION



मौसम सेवाओं की उपयोगिता का विमोचन

AN EMINENT SCIENTIST TAKES OVER IMD



Dr. L. S. Rathore, an eminent Agrometeorologist, has taken over the charge of D.G.M. after superannuation of AVM (Dr.) Ajit Tyagi on 31 January 2012. Dr. Rathore is an alumni of University of Udaipur from where he got his PhD(Ag) degree. He served in various capacities to IMD, Department of Science & Technology and Ministry of Earth Sciences. He has a key role in developing weather based decision support systems for agro - advisories and contributed significantly to set - up Agro - Meteorological Advisory Services in the country. He is Vice President of WMO Commission on Agriculture Meteorology (CAgM). Dr. Rathore has wide experience of more than thirty years in meteorological research and published about fifty research papers in national and international peer-reviewed scientific journals. His scientific vision, leadership qualities and administrative abilities will take the department to new heights.

IMD FOUNDATION DAY

India Meteorological Department established in 1875 has charted an eventful and cherished journey to its 137th year. The relevance of its services has remained as poignant as it was at its inception. It has spread and enlarged in applicability with increasing sophistication of means of production in society-Weather and Climate, being major factors influencing them. IMD foundation day was celebrated with great enthusiasm at H. Q. New Delhi and also at Regional Centres all over India. The function was attended by a large number of distinguished eminent scientists. An exhibition displaying the recent developments & achievements in the modernization programme of the department was also arranged. During celebration at H.Q. New Delhi, Dr. Ashwani Kumar, Hon’ble Minister for MoES was the Chief Guest and the function was presided over by Dr. Shailesh Nayak, Secretary, MoES. Prof. Yashpal, Eminent scientist & Educationist graced the occasion as a special guest. AVM (Dr.) Ajit Tyagi, the then DGM, briefed about achievements made by the department during past year. Prof. Yashpal shared his experiences. On this occasion Dr. P. V. Joseph was felicitated in recognition of his valuable services rendered to the department and contributing towards its developments, growth and image in a significant manner.



Dr. Shailesh Nayak, Secretary, MoES addressing the audience



Dr. Ashwani Kumar, Hon’ble Minister, MoES felicitating Dr. P. V. Joseph

BEST EMPLOYEE AWARDS

On the occasion of IMD's Foundation day, Dr. D.P. Dubey, Sc. 'E', Shri V. R. Durai, Sc. 'C' - Gr. A, Shri M. A. Sunder Singh, Asst. Met. I, Shri S. K. Singh, Asstt. Met. II - Gr. B (Gaz.), Shri H. S. Sisodia S. A., Shri Dinesh Khanna, S. A. - Gr. B (Non-Gaz.), and Ms. V. Joglekar, Junior Translator, Shri K. Gopal, Mech. Grade-I - Group 'C', Shri K. K. Sikdar, Driver and Shri Ramesh Chand, Met Attendant - MTS have been conferred best employees award in their respective cadres.



Shri Dinesh Khanna receiving Award from Hon'ble Minister

IMD Foundation day was celebrated at other IMD offices also. This occasion was, celebrated at Pune on 25th January 2012 and Shri S. P. Joshi, A.M. I, Smt. B. S. Sabade, S.A. and Shri P. S. Balkawade, M. A. were conferred upon the Best Employee Award of IMD, Pune by AVM (Dr.) Ajit Tyagi, DGM

NATIONAL GEOSCIENCE AWARD



Shri G. Suresh, Scientist-E has been conferred with National Geoscience Award – 2010 by the Ministry of Mines on 16th February 2012, in recognition of his significant contribution in the field of Disaster Management related to the establishment of Tsunami Warning System.

BIENNIAL MAUSAM AWARD



Dr. M. Mohapatra, Sc. 'E' receiving Award from Hon'ble Minister

On the occasion of IMD Foundation day, Dr. M. Mohapatra, Sc. 'E', Shri H. R. Biswas, Met. Gr. I, Shri G. K. Sawaisarje, Met. Gr. I, were conferred 25th Biennial Mausam Award (2008-09) for their research paper entitled 'Daily summer monsoon rainfall over northeast India due to synoptic scale system', published in MAUSAM in January 2008 (Vol. 59, No.1). This award consists of Rs.50,000/- (Rs. Fifty Thousand) only to be shared by the authors and a citation to each author.

FIGHTING CORRUPTION



Smt. M. Anuradha receiving certificate

A slogan competition on topic 'Fighting corruption in the country or civil society was organized during Vigilance awareness week. Shri Sanjeev Sharma, A.M. II, Shri R.H. Sharma, S. A. and Smt. M. Anuradha, Hindi Translator was adjudged 1st, 2nd and 3rd prize winners respectively. A certificate and cash prize was given to them on IMD Foundation day.

MUSIC COMPETITION

Smt. Suma Eldho, S. A. got 2nd consolation prize in Music (female) competition organised by the Town Official Language Implementation Committee, Thiruvananthapuram during the observance of Joint Hindi Fortnight Celebrations 2011-12.

FOUNDATION STONE FOR DWR



Foundation Stone ceremony at Dehradun

- The foundation stone of DWR, Dehradun was laid by AVM (Dr.) Ajit Tyagi, DGM in the presence of Dr O. P. Singh, DDGM, RMC, New Delhi and Shri Anand Sharma Scientist-E, M.C., Dehra Dun on 09th January, 2012. The DGM complimented officer and staff of M.C , Dehra Dun for organizing the function very well.
- AVM (Dr.) Ajit Tyagi, DGM laid foundation stone for construction of DWR building at Hesaraghatta, Bangalore on 19th January 2012 and inaugurated DWR building at CDR Karaikal on 20th Jan 2012.

INAUGURATION OF C-BAND POLARIMETRIC RADAR

IMD has procured two C-band Doppler Weather Radars. The first C-band Doppler radar was installed and inaugurated in Delhi by Shri Ashwani Kumar, Minister of State of Science & Technology and Earth Sciences, on the occasion of IMD's 137th foundation day on 15th January 2012. This C-band Doppler radar goes a step above the S-band Doppler weather radar and gives additional information. It can identify the type of precipitation-whether it's rain, hail or snow. It can also determine the intensity of winds. This will be useful in detecting storms over the Delhi area. It would imply a real time engagement with the dissemination system directly reaching out to the citizens and user groups. Severe weather warning over very specific locations is the target of nowcasting.



Hon'ble Minister inaugurating C-Band Polarimetric Radar

NETWORK OF AWS AND ARG

- The network of 550 AWS under IMD Modernization Programme Phase-I is established. Installation of all 550 AWS has been completed on 15 February 2012. This includes a network of 127 Agro-AWS.
- Total 680 ARG stations have been installed at field sites under the IMD Modernisation programme of 1350 ARG.
- Automatic Rain Gauge at Sathyabama University was commissioned on 29th March 2012 in the presence of Dr. Jeppiar, Chancellor, Sathyabama University and Dr. Y. E. A. Raj, Dy. Director General of Meteorology, Chennai. It is the first ARG site commissioned among the 75 ARGs of Tamil Nadu and those of Chennai metro city.
- Data transmitted by AWS & ARGs are available at GTS and IMD Websites of Pune and Delhi.



Automatic Rain Gauge at Sathyabama University

WEB HOSTING OF CYCLONE eATLAS



A project on software development for web hosting of Cyclone eAtlas-IMD CD was undertaken at CWRC by outsourcing the software development part during 2010-2011. This web based application software, Cyclone eAtlas-IMD (Version 2.0 was posted in the NIC server and declared open to users by the then DGM, AVM (Dr.) Ajit Tyagi on 04th January 2012 during ACR 2012. The software can be accessed at the URL:www.rmchennaieatlas.tn.nic.in

ACR/AMR/ATR-2012



Release of "Climate of Ahmedabad"

ACR/AMR/ATR-2012 was organised by National Weather Forecasting Centre, New Delhi, during 4-6 January 2012, at India International Centre, New Delhi. AVM (Dr.) Ajit Tyagi, DG, IMD, Senior Scientists and Divisional Heads of all the units of IMD participated in the deliberations. A special session for interaction of Dr. Shailesh Nayak, Chairman, Earth System Science Organisation & Secretary, Ministry of Earth Sciences with all the participants was also arranged on 5th Jan, 2012. During this session Retired DGMs and ADGMs also interacted and shared their expertise with the participants.

TRAINING WORKSHOP ON CDO-NOW-2012



Release of Guide book on Nowcast

The three day Training Workshop on "Challenges, Developments and Opportunities in Nowcasting" (CDO-NOW-2012) was organized by National Weather Forecasting Centre, New Delhi from 27-29 Jan, 2012 to give a thrust for development and implementation of a 24 x 7 Monitoring and Nowcasting system for high impact weather events in IMD. The structure of Training Workshop was designed to focus on the application of Observations, Synoptic, DWR, NWP, Satellite techniques in Nowcasting. Lectures were given on various themes by the experts/reowned scientists from IMD, NCMRWF, Indian Air force, Indian Navy, SAC Ahmedabad, IIT Delhi, IITM, Pune, SHAR and Coast Guard. The workshop was attended by about 50 participants from various Institutes/Departments across the country.

NATIONAL SEMINAR ON "CHALLENGES, DEVELOPMENTS AND OPPORTUNITIES IN NOWCASTING"



A two day National Seminar on "Challenges, Developments and Opportunities in Nowcasting" (CDO-NOW-2012) was organized by NWFC during 30-31 January 2012. The inauguration ceremony was held at India Islamic Centre, Lodi Road, New Delhi on 30th January 2012. Shri P. P. Shrivastav, IAS (Retd), Hon'ble Member, Northeast Council was the Chief Guest and Shri T. Nanda Kumar, Hon'ble Member, NDMA was the Guest of Honour. The Inaugural session was presided over by Dr. Shailesh Nayak, Chairman, Earth System Science Organisation & Secretary, Ministry of Earth Sciences. There were six scientific sessions in two days viz. Plenary Session, Satellite Applications in Nowcasting, NWP Aspects in Nowcasting, Radar Applications in Nowcasting, Application and Observational Aspects of Nowcasting. During these sessions there were Invited/Lead Talks and Contributed papers. The lead talks were given by experts/reowned scientists from IMD, NCMRWF, Indian Air force, Indian Navy, SAC Ahmedabad, IIT Delhi, IITM, Pune, SHAR and Coast Guard. A Special session for Interaction with User Organisations and Media was also organized. The Seminar ended with vote of thanks by the convener, Shri B. P. Yadav, Sc. 'E'. The seminar was attended by about 150 participants from different organisations/institutes/departments across the country.

SEISMIC MICROZONATION STUDY OF NCT DELHI

Shear wave velocity evaluation is one of the important parameter in seismic Microzonation study to evaluate shear wave velocity from geotechnical data, empirical relation developed by International agencies are used. Under seismic microzonation project of NCT Delhi, an empirical relationship between shear wave velocity (Vs - m/s) and blow counts, i.e., Standard Penetration Test (SPT - N values) for different types of soils have been derived.

TRAINING COURSE FOR AMFU SCIENTISTS

Training course on 'Agrometeorology towards better advisories for serving end-users requirement' for AMFU scientists, was conducted from 31st January to 20th February, 2012 at CTI, Pashan, Pune by the Agricultural Meteorology Division. Seventeen trainees in the rank of Assistant Professor, Associate Professor from different State Agriculture Universities (SAUs) working as Technical officers, Nodal officers & Advisory Board members in different Agrometeorological Field units (AMFUs) located in different agroclimatic zones participated in the course.

TRAINING ON CROP MODEL SIMULATION

A three day's training programme on crop model simulation was organized during 6-8th February, 2012 at SAMC (State Agromet Centre) Kolkata. Dr. Kripan Ghosh, Sc. 'D' and Shri R. Balasubramanian, Sc. 'C', from D.D.G.M (Ag), Pune delivered their lectures. Nodal officers and SRFs from AMFU Pundibari, Kharagpur and Kalyani were trained.

REFRESHER COURSE ON ASTRONOMY



Refresher course on Astronomy at PAC, Kolkata

PAC Kolkata organised a refresher course on Astronomy during 6 to 10 February, 2012 at the Seminar Hall of PAC Kolkata for Gr. A and Gr. B officers of RMC Kolkata coordinated by Shri S. Sen, Sc. 'E'. Prof. G. M. Ballabh, Retd. Prof. of Osmania University, Hyderabad was the Chief Guest during inaugural function. Shri B. Mukhopadhyay, Sc. 'F' of DGM, New Delhi, Shri D. Pradhan, DDGM RMC Kolkata were also present during the inauguration programme. Shri A. K. Bhatnagar, Retd. ADGM of IMD, Prof U. C. Joshi of PRL Ahmedabad, Prof. Ranjan Gupta of IUCAA, Pune, Dr. D. P. Duari and Prof. Amalendu Bandopadhyay of Birla Planetarium Kolkata were the resource persons.

TRAINING FOR WMO/ESCAP PANEL COUNTRIES



Group photo of Trainees along with IMD officials

The annual training of two weeks duration for Cyclone forecasters from WMO/ESCAP panel countries along with the forecasters from Area Cyclone Warning centre/Cyclone Warning Centre of India Meteorological Department was organised during 20th February to 02nd March 2012. The Cyclone forecasters one each from countries, viz., Srilanka, Maldives and Thailand participated in this training programme.

TRAINING

Shri Jacob Thampan, S. A. and Shri R. A. Pednekar, S.A. both from the office of DDGM (Agrimet), Pune, attended the training on "Retrieving of soil moisture by using satellite images" at Department of Electronics and Computer Engineering, IIT Roorkee, Uttarakhand from 12th January 2012 to 24th January 2012.

Advance Professional Knowledge Course (Satellite Meteorology) was conducted by Satellite Meteorological Division to officials of Air Force Administrative college, Faculty of Meteorology, Coimbatore at New Delhi during 27-28th February, 2012.

Shri Ram Babu Verma, Director and Shri C. S. Tomar, Meteorologist-I attended the Training Need Analysis (TNA) course sponsored by DoPT at DDGM (Training) Pune office during the period from 6th March, 2012 to 16th March, 2012.

Shri B. M. S. Nayal, Director attended TNA Consultancy Skill Training organised by IMD and MoES from 6th March to 16th March, 2012 at IMD Office, Pashan, Pune.

Training on operation and maintenance of seismic equipments for conducting micro earthquake surveys and on site response studies was imparted during 12th - 26th March, 2012 to the scientists and operators of Seismology Division and EREC.

Shri G. Suresh, Sc. 'E', Seismology Division, attended the workshop on "Managing Waveform Data and Metadata for Seismic Networks" organized by Incorporated Research Institutions of Seismology (IRIS), USA during 8-13 January, 2012 at Thai Meteorological Department, Bangkok.

Dr. Rajesh Prakesh, Sc. 'E', Shri R. K. Singh, Sc. 'D' and Shri A. C. Lyndoh, Sc. 'D' were on factory training in operation, maintenance and software in seismic equipments from 1-15th February, 2012 at M/s. GEMPA, Germany and M/s. Reftek Inc. USA under the project "Establishment of seismic telemetry network in North East India".

Dr. K. K. Singh, Sc. 'F' was on tour to Canada during 16-20 Feb 2012 to participate in the Special Symposium on Enhancing Information flow for Global food security & climate change at Annual Meeting of the American Society for advancement of Services (AAAS).



Dr. S.K. Roy Bhowmik, Sc. 'F' at Geneva

Dr. S.K. Roy Bhowmik, Sc. 'F' attended WMO Steering Group Meeting of Severe Weather Forecast Demonstration Project (SWFDP) at Geneva during 28 February to 2 March 2012. The meeting reviewed progress in the implementation of the SWFDP in Southern Africa, South Pacific, Eastern Africa, Southeast Asia and Bay of Bengal (South Asia) and identified issues, including sustainability & training aspects.

Shri B. Mukhopadhyay, Sc. 'F' was on tour to Doha, Qatar from 29 Feb. to 2 March 2012 to participate in the 4th Session of RAI Management Group MG-4.

Shri B. K. Bandyopadhyay, Sc. 'F' was on tour to Myanmar to attend 39th Session of WMO/ESCAP Panel Meeting on Tropical Cyclones from 5 to 9 March 2012.

Shri M. K. Bhatnagar, Sc. 'F' was on tour to Colombo, Sri Lanka from 19 to 22 March 2012 to participate in the Quality Management System Implementation Workshop.

ASTRONOMY AND NIGHT SKY OBSERVATION



Trainees at PAC Kolkata during course on Astronomy

PAC Kolkata organised a course on Astronomy and Night Sky Observation camp in collaboration with Bengal Engineering and Science University (BESU), Shibpur, Howrah under sponsorship of three Science academies at Birbhum Institute of Engineering and Technology, Suri, Birbhum for senior school students during 2 to 5 January, 2012. Shri S. Sen, Sc. 'E' acted as course coordinator of the same. On this occasion Shri Sen and other two officials of PAC, Kolkata delivered lectures. Prof. Ajoy Ray, Vice Chancellor of BESU, Prof. Amitabha Ghosh, INSA Senior Scientist, Prof. Amalendu Bandopadhyay of Birla Planetarium Kolkata was also present during inauguration programme and delivered day time lectures to students.

MOU BETWEEN IMD-AFCL



MoU between IMD-AFCL

Memorandum of Understanding (MoU) between India Meteorological Department (IMD) and Agricultural Finance Corporation Limited (AFCL), Mumbai was signed on 15th February 2012 by Dr. N. Chattopadhyay (DDGM, Agrimet), Pune and Shri S. J. Thote, Deputy General Manager, AFCL on joint collaborative project for providing right, accurate, timely and agro-geographical relevant information to farming community for realization of individual and national prosperity through improved agricultural practices, capacity building and de-risking from weather anomalies.

Dr. M. Mohapatra, Sc. 'E' delivered a lecture on "Early warning on Cyclone" at NIDM on 10th January 2012 to senior Govt. officials.

Shri G. K. Das, Met-I delivered a lecture on "A Climatological feature of temperature & heavy rainfall events over Kolkata and its impact on human being" at a seminar on "Geographical Appraisal of the city of Joy's environmental well being" organized by Sursana College in collaboration with Jadavpur University at Town Hall, Kolkata on 17th January 2012.

Dr. Medha Khole, Sc. 'E' delivered a lecture on "Extreme Weather Phenomena" at NFAI Auditorium, Law College Road, Pune organized by Vishwa Scientific and National Film Archive of India in association with Vigyan Prasar, Govt. of India on 20th-22nd January, 2012.

Dr. Jayanta Sarkar, Scientist 'E' delivered two lectures for the participants of training course on "Agro meteorology towards better advisories for serving end users requirement" held from 31st January to 20th February 2012.

Dr. R. Suresh, Scientist 'E' delivered lectures in the 'Met Officers' course at School of Naval Oceanography (SNOM), Naval Base, Kochi on 2nd and 3rd February 2012.

Dr. S. D. Attri, Scientist 'E' (EMRC), delivered a lecture on "Soil, Water and Nitrogen Dynamics simulated in cropping system models" on 6th Feb, 2012 in the Training course on "Agro meteorology towards better advisories for serving end users requirement" organized by Agrimet, Div. at Pune.

Dr. Y. E. A. Raj, DDGM delivered a key note address at the programme on "Disaster Management" convened by University of Madras on 6th February 2012.

Shri S. B. Thampi, Sc. 'E', DWR Chennai delivered an invited-talk on the topic "Radar for Agriculture meteorology" in the training course on 'Agro meteorology' to the members of "Integrated Agromet Advisory Service Units", at Pune on 7th February, 2012.

Smt. Suman Goyal, Sc. 'E' delivered lecture on Utilization of Satellite Imagery and Products for operational weather forecasting applications in IMD Satellite Imagery Interpretation and Cyclone intensity analyses technique at school of Naval Oceanography & Meteorology during 8th February, 2012 at Kochi.

Dr. A. K. Srivastava, Scientist 'E' delivered a lecture on, "Climate change scenario with reference to IMD data" in the training course on, 'Agrometeorology towards better advisories for serving end users requirements' at Pune on 9th February 2012.

Smt. Sarita Joshi, Senior Translator, delivered a PPT presentation on "Use of Computer Technology in Hindi" in the forenoon of 13th February 2012 for staff members and afternoon for officers of MoES.

Shri Anand Kumar Sharma, Sc. 'E' and Head, Meteorological Centre, Dehra Dun invited and delivered lecture on UNFCCC, Kyoto Protocol, CDM and Carbon credits to post graduate students of Natural resource management, Forest Research Institute University, Dehra Dun on 15, 16 and 22 February, 2012.

Dr. Medha Khole, Sc. 'E' delivered a lecture on the topics, "Science of Weather Forecasting" on 28th February, 2012 on the occasion of National Science Day at Armament Research and Development Establishment (ARDE), Pashan, Pune.

Shri D. Pradhan, DDGM delivered a lecture on 9th March, 2012 at "NBSS & LUP (ICAR)," Salt Lake, Kolkata on "Application of Remote sensing devices in Weather forecasting".

Smt. V.K. Mini, Scientist 'C' gave a lecture on "Cyclone Risk Mitigation & Management" on 15 March, 2012 for a training programme for high level officials organized by the Institute of Land and Disaster Management, Thiruvananthapuram.

Shri P. S. Biju, Scientist 'C' gave a lecture on "Meteorological Observations" in the National Seminar on recent trends in physics organized by Dept. of Physics, University College, Thiruvananthapuram on 22 March 2012.

WOMEN EMPOWERMENT



Shri B. K. Piush receiving bouquet from Dr. (Mrs.) S. Kaur, Sc. 'F'

A talk on Women Empowerment through spirituality by Brahma Kumaris Ishwariya Vishwa Vidyalaya was held on 15th March 2012 at Conference Hall, Mausam Bhawan, Lodi Road, New Delhi. Shri B. K. Piush delivered the lecture. In addition to the lecture audience interaction and guided meditation was also organised.

VISIT OF SECRETARY GENERAL WMO



Dr. Michel Jerraud, Secretary General, W.M.O., Geneva, Switzerland and AVM (Dr.) Ajit Tyagi, DG, IMD



Mr. Michel Jerraud, Secretary General, W.M.O. and Dr. S. D. Attri at MoES, New Delhi

Dr. M. Jerraud, Secretary General, WMO Geneva, Switzerland visited New Delhi on 21 February 2012 and had discussion on various issues with Secretary, MoES and DGM IMD. During this visit he also visited IMD, Pune and was briefed about the activities of IMD, Pune. Dr. Medha Khole, DDGM (WF), participated in the meeting of Secretary General, WMO with IMD officers and made a presentation on Activities of Offices of the DDGM (WF). The Secretary General also visited the Weather Central and INOSHAC Division. Dr. Medha Khole, DDGM (WF) briefed him about the operational activities related to Weather Forecasting, SYNERGIE Workstations and Video Conferencing facility.

VISIT OF HON'BLE MINISTER



Dr. L. S. Rathore, DGM presenting bouquet to the Minister

Hon'ble Minister Shri Shivajirao Moghe, Minister for Social Justice, Government of Maharashtra visited IMD, New Delhi on 13th March 2012. He discussed about lower Penganga Project Tal Ghatanji Dist. Yeotmal with Dr. L. S. Rathore, DGM and senior officers of Hydrology divisions.

PROJECT EVALUATION

EMRC evaluated fifty two (52) Thermal Power, seventy nine (79) Industrial and ninety nine (99) Coal Mine projects referred to this Department by the Ministry of Environment & Forests, New Delhi.

A TEAM OF INTERNATIONAL REINSURERS



International reinsurers team visited AWS Lab, Pune

A team of international reinsurers visited Agrimet Division, Pune on 5th March 2012. The delegates were Mr. Marc Tueller Novae, Switzerland, Mr. Dominic Oldridge, U. K. Mr. Salaheddine Dhouib Liberty France, Ms. Olena Sosenko Scor Re, France, Mr. Ellis Simon Guy Carpenter, U. K., Mr. Timothy Gregory Guy Carpenter, U. K., Mr. P. P. Rao, J. B. Boda India, Mr. Rohit A. Boda, Mr. Ajay Singhal, Mr. D. G. Halve, Mr. Deepak Patil, Agriculture Ins. Company, India. The visitors were explained the various activities of IMD including the present status and future programme on installation of AWS and Agromet Services in India. AWS Lab, Pashan and CAgMO, Pune were also shown to the visitors.

WMO INTERNATIONAL CONFERENCE ON INDIAN OCEAN TROPICAL CYCLONES AND CLIMATE CHANGE



The second WMO International Conference on Indian Ocean Tropical Cyclones and Climate Change (IOTCCC) was held at New Delhi during 14-17 February 2012. The conference was inaugurated by Hon'ble Vice Chairman Sh. M. Shashidhar Reddy on 14th February 2012 and Dr. Shailesh Nayak, Secretary, Ministry of Earth Sciences presided over the inaugural function. About 150 delegates including 32 foreign delegates participated in the conference. There were four plenary sessions, 14 parallel technical sessions, two panel discussions and a concluding session. There were invited talks by the eminent scientists in the field of cyclone and climate change impact on cyclones over the Indian Ocean in the plenary sessions and beginning of each parallel, technical session. The several recommendations have been adopted at the end of the conference for further action. During the inaugural function, two books, i.e., 'Abstracts of Proceedings of Second WMO International Conference on Indian Ocean Tropical Cyclones and Climate Change' and 'Cyclone Warning in India: Standard Operation Procedure' was released.

PRE-MONSOON WEATHER ACTIVITY OVER EASTERN REGION

One day workshop on "Pre-Monsoon Weather activity over Eastern Region" was jointly organized by RMC, Kolkata and IMS, Kolkata Chapter on 21st February, 2012. The objective of the workshop was to have interaction and exchange of knowledge and experience amongst the experts, young scientists and members of IMS. At the beginning, Secretary of IMS Kolkata, Shri D. Pradhan, DDGM cordially welcomed the Chief Guest, Guest of honour and all the guests, dignitaries and participants and offered thanks for joining the workshop.

TECHNICAL PLANNING WORKSHOP



WMO workshop inaugurated by the Secretary, MoES

A WMO Workshop on Technical Planning Workshop on the Severe Weather Forecasting Demonstration Project (SWFDP) for South Asia was held in New Delhi from 23 to 27 January, 2012. Delegates from WMO and representatives from other countries like Sri Lanka, Bangladesh, Maldives, Thailand, Myanmar, Japan, USA and India participated in the workshop. The Workshop was inaugurated by Dr. Shailesh Nayak, Secretary, MoES. Senior scientists of the department including Shri B. K. Bandyopadhyay DDGM(S), Shri B. P. Yadav, Sc. 'E' and Dr. M. Mohapatra, Sc. 'E' attended this workshop.

HINDI WORKSHOP HELD AT RMC KOLKATA

Two days Hindi workshop was held at RMC Kolkata on 6-7th March, 2012. Shri D. Pradhan, DDGM inaugurated the workshop. Twenty officers and staff members participated in this workshop to improve their skill in Hindi for official work. Shri D. Pradhan, DDGM, Shri G. K. Das, Met-I, Shri N. Chaturvedi, Junior Hindi translator and Shri K. K. Gupta, UDC delivered lectures in the workshop.

CAPRA TRAINING



World Bank with assistance of National Disaster Management Authority (NDMA) has organized two days training workshop on CAPRA probabilistic – Hazards and Risk Assessment in IMD, New Delhi. In this connection, 6-member delegation from World Bank and National disaster management imparted above training to IMD officers in Mausam Bhawan, New Delhi during 22- 23 March, 2012. Senior scientists from IMD and NDMA attended the training.

BIHAR STATE DISASTER MANAGEMENT AUTHORITY MEETING

State Government of Bihar is intended to set up Local Seismic Network in the State of Bihar, and constituted a Committee under the Chairmanship of Prof. A. S. Arya, member of Bihar State Disaster Management Authority (BSDMA). Head EREC is the member of the Committee. On request of BSDMA, third meeting of the committee was organized in EREC on Feb. 15, 2012. In absence of Prof. A. S. Arya, the meeting was chaired by Dr. A. K. Shukla, Head EREC.

ANNUAL REVIEW MEETING ON AGROMET ADVISORY SERVICE



RMC Guwahati conducted a state level Annual Review Meeting on Agromet Advisory Service at Guwahati for the state of Assam on 21 March 2012. Hon'ble Shri Kabindra Barkakati, Director of Agriculture, Govt. of Assam inaugurated the meeting. Shri Awadhesh Kumar, DDGM RMC Guwahati presided over the meeting. In his key note address, Shri Barkakati mainly emphasized on the extensive use of AAS for better and effective agricultural practices existing in the state. Shri Awadhesh Kumar stressed on development of fruitful feedback mechanism involving all the stake holders in the state for further improving the services. In the meeting participants from the state Agriculture Department, Nodal officers of AMFUs, Programme Coordinators of KVKs, Agriculture Scientists from Horticulture Department, representatives of AIR, DDK and Progressive farmers were present.

WMO – RIMES PROJECT WORKING GROUP MEETING

A WMO – RIMES (Regional Integrated Multi Hazard Early Warning System) project working group meeting on 'Integrating IMD Forecast Information products into planning and programmes of climate sensitive sectors' was convened on 21st February 2012 at RMC Chennai. 18 delegates from Tamil Nadu State Govt. departments of agriculture, fisheries, public works and disaster management and two experts from RIMES working group, Bangkok participated in the meet. The project involves integrating IMD's forecast information products into planning and programmes of climate sensitive sectors such as agriculture, fisheries, public works and disaster management.

Publications

- "Climatological Table 1971-2000", "Monsoon 2011-A Report" and "Rainfall Atlas of India based on the data for the period 1952-2000"
- Soil responses near Delhi ridge and adjacent region in Greater Delhi during incidence of a local earthquake, Mandal H.S., Khan P.K., Shukla, A.K. (2012) Journal of Natural Hazards, Nat. Hazards DOI 10.1007/s11069-012-0098-4.
- 12 Research Papers and 4 Letters have been published in MAUSAM, 63, 2.

'MAUSAM' EDITORIAL COMMITTEE MEETING



The Editorial Committee Meeting of departmental journal MAUSAM was held on 30th January 2012 at DGM Conference Hall. The Editor of MAUSAM AVM (Dr.) Ajit Tyagi, chaired the Meeting. Dr. S.M. Kulshrestha, Shri D.R. Sikka, Prof. S. K. Dube, Shri R. C. Bhatia and Dr. B. Padmanabhamurthy, all committee members-attended the meeting along with Editorial Office team. After welcome address by DGM, Shri U. P. Singh, Secretary, MAUSAM, briefed the achievements made during the past four years. On this occasion a CD containing bibliography of MAUSAM since 1950 prepared by Editorial office was presented to Committee Members. The Committee members appreciated the efforts made by Editorial office. They gave their valuable suggestions for further improvement of Journal MAUSAM.

INTER-MINISTRY MUSIC/DANCE COMPETITION



Cultural Wing of the department has participated in Inter-Ministry Music/Dance & Short Play Competition 2011-12 which was held from 27 February to 01 March 2012 at Mavalanker Auditorium, New Delhi. The team won Brass & Silver Medal in Hindustani Classical Music & Group Song respectively. The team members were Smt. Jiga Kaul, S/Shri Ashok Kumar, M. R. Kalve, Smt. Neelam Sharma, Smt. Dheeraj Joshi and Smt. Anita Jain.

EXHIBITIONS

Surakshaayanam – 2012 an international workshop & exhibition on "Disaster Risk Reduction and Contingency Planning" was organized by Kerala State Disaster Management Authority during 4th to 10th March 2012. It was inaugurated by Shri Oommen Chandy, Hon'ble Chief Minister of Kerala, at Kanakakkunnu Palace grounds, Thiruvananthapuram. Officers from M. C. Thiruvananthapuram participated in this exhibition.



M. C. Thiruvananthapuram stall at SURAKSHAAYANAM

The exhibition stall was arranged by depicting the pictures and charts specially prepared for the different warnings issued by IMD, Seismological Network and Earth quakes, extreme climatological events and Natural hazards, Doppler effects, Weather Radars to track cyclones, Tsunami, AWS/ARG net work and the upper air wind patterns were also described in the permanent posters. An AWS ground station installed temporarily received good appreciation from the visiting dignitaries.

Aviation Services - A. M. O. Kolkata Airport participated in an exhibition organized by the Aeronautical Society of India, Kolkata Branch at Birla Industrial & Technological Museum, from 9th to 12th February 2012. Shri D. Pradhan attended the inaugural function. Shri Manish Gupta, Minister, Govt. of West Bengal & Chairman of Aeronautical Society of India, Kolkata Branch inaugurated the said exhibition as Chief Guest. The exhibits were demonstrated by IMD Officials to the visitors at the stall about the activity of IMD and also Aviation related activity at Kolkata Airport.



Exhibitions on agricultural weather service

Agricultural Services - Shri J. P. Sable, S. A. and Shri R. A. Pednekar, S. A. of Agrimet Division, Pune participated in exhibition on the occasion of Science day on 28th & 29th February, 2012 at GMRT (Gaint Metre wave Radio Telescope), Khodad, Narayangaon, Pune. Exhibits on weather services to agriculture were shown to the school children who attended the exhibition.

Krishi Vikas 2012 - Shri Jacob Thampan, S. A. and Shri Sanatan Das, A. M. - II of Agrimet Division, Pune participated in Conference of Krishi Vikas 2012, Indore organised by Confederation of Indian Industry (CII) held between 16 – 18th February, 2012 at Agricultural College Ground, Indore. Agromet Exhibits were shown to the rural farmers who visited the conference.



Scientist addressing during Krishi Vikas 2012