



मौसम विज्ञान विभाग समाचार IMD NEWS

INDIA METEOROLOGICAL DEPARTMENT
(Ministry of Earth Sciences)



Dr. Y.E.A. Raj, DDGM during inauguration of Seminar

VARIABILITY OF MONSOONS IN KERALA

A seminar on "Variability of Monsoons in Kerala" was conducted on 21st August 2012 in the conference hall of M.C. Thiruvananthapuram jointly organized by M.C. Thiruvananthapuram & IMS Thiruvananthapuram Chapter. Dr. Y.E.A. Raj, DDGM inaugurated the seminar and many scientists from various organizations attended. Shri. K. Santhosh, Scientist - E, Smt. V.K. Mini, Scientist-C and Smt. G. Geetha, S.A. of M.C. Thiruvananthapuram attended and presented papers on this occasion.

WORKSHOP FOR HELICOPTER OPERATION SUPPORT

A workshop on Meteorological support for helicopter operation was conducted by CAMD on 23rd August 2012. During inauguration Shri Arun Mishra, DG, Civil Aviation, appreciated IMD's services provided to aviation sector. Dr. L.S. Rathore, DG, IMD emphasized on commitment of Department to provide the Meteorological support to helicopter operations. He emphasized that IMD's ongoing project on Himalayan Meteorology like DWR and AWS will be very useful for aviation sector. Shri M.K. Bhatnagar, DDGM presented the organizational setup of IMD, products available on IMD's website for low level flight operation and future plan of IMD for helicopter operations. About 20 helicopter operators attended the workshop. Central Aviation Meteorological Division has also organized three day workshop at H.Q. New Delhi held from 5-7 September 2012 on "Provision and procedure for issuing SIGMET". Twenty Five (25) participants from different AMOs attended the workshop.



Dr. L.S. Rathore, DG, IMD, Shri Arun Mishra, DG, Civil Aviation along with Shri M.K. Bhatnagar, DDGM, IMD

INDIVIDUAL PARTICIPATIONS

Dr. S. C. Sahu, Scientist 'E', M. C. Bhubaneswar, Dr. Y.V Ramarao Scientist 'E', Shri A. K. Das, Scientist 'C' and Shri Kuldeep Srivastava, Scientist '-C' from H.Q. New Delhi participated on "Advanced Indo-US Training Workshop and Colloquium on Modelling and Data Assimilation for Tropical Cyclone Predictions" during 9-14 July 2012 at Bhubaneswar.

Dr. Medha Khole, DDGM(WF), Pune participated in the brain storming session on "Integration of Automatic Weather Station under national umbrella" on 3rd September 2012 organized by Agrimet Division at IITM, Pune.

Shri Anand Sharma, Scientist 'E', M.C Dehra Dun addressed the participants of the workshop "Himalaya ke liye chunotiyaur samadhan" on 9th September 2012 which was organized by the Hindi Daily newspaper Hindustan.

Dr. S. D. Attri, Scientist 'E' participated in consultation Workshop on "India's 3rd National Communicational Biannual Update Report (BUR)" organized by Ministry of Environment & Forests, and made presentation on "Systematic Observation and Research" during 14-15 September, 2012 at New Delhi.

Editorial Team

S/Shri U.P. Singh, S.C. Sharma, Subhash Khurana, Dinesh Khanna, Gopi Chand, Raj Kumar Verma, Dhan Singh, Brij Bihari

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हिंदी पखवाड़ा एवं हिंदी दिवस का आयोजन

मौसम विज्ञान विभाग के मुख्यालय एवं सभी उप कार्यालयों में हिन्दी दिवस एवं हिन्दी पखवाड़ा का आयोजन पूरे हर्षोल्लास से मनाया गया। मुख्यतः हिन्दी पखवाड़ा का आयोजन दिनांक 1-15 सितम्बर 2012 तक किया गया। इस दौरान विभिन्न प्रतियोगिताएँ जैसे हिंदी निबंध, टिप्पण एवं मसौदा लेखन, टंकण, स्वरचित काव्य पाठ, वाद-विवाद प्रतियोगिता, राष्ट्रीय एकता और राजभाषा हिन्दी विषय पर स्लोगन और मोबाईल का दैनिक जीवन में उपयोग विषय पर कार्टून आदि मुख्य आकर्षण रहे।



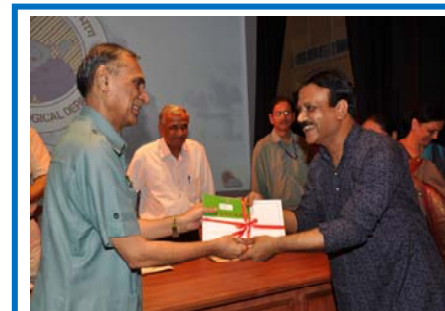
डॉ. एल. एस. राठौर, महानिदेशक द्वारा दीप प्रज्ज्वलन

मुख्यालय में हिन्दी दिवस समारोह दिनांक 21 सितम्बर 2012 को मनाया गया, जिसकी अध्यक्षता मौसम विज्ञान के महानिदेशक डॉ. लक्ष्मण सिंह राठौर ने की। जहाँ महानिदेशक महोदय ने हिन्दी में अधिकाधिक कार्य करने की प्रेरणा दी वहीं डॉ. एल. आर. मीना, अध्यक्ष, हिन्दी पखवाड़ा/दिवस आयोजन समिति ने इतिहास के पन्नों से हिन्दी में किए गए कुछ अहिन्दी भाषी विद्वानों द्वारा राजभाषा के उत्थान के लिए किए गए कार्यों का उदाहरण प्रस्तुत किया।

इस समारोह में हिन्दी पखवाड़ा के दौरान आयोजित विभिन्न हिन्दी प्रतियोगिताओं के विजेताओं को नकद पुरस्कार और प्रमाण पत्र प्रदान किए गए। हिन्दी में सर्वाधिक पत्र भेजने के लिए राजभाषा चलशील्ड वर्ष 2011-2012, डॉ. ओ. पी. सिंह, उपमहानिदेशक, प्रादेशिक मौसम केंद्र, नई दिल्ली को प्रदान की गई। इस अवसर पर हिन्दी गृह पत्रिका "मौसम मंजूषा" के 17वें अंक तथा "निबंध सागर" का भी विमोचन किया गया। इस दौरान कार्यालय के कर्मियों द्वारा विभिन्न प्रकार के सांस्कृतिक कार्यक्रम एवं हास्य नाटिका की प्रस्तुति के साथ मुंशी प्रेमचन्द की कहानी "पंच परमेश्वर" के नाट्य रूपांतरण का सफल मंचन किया गया।



डॉ. एल. एस. राठौर, महानिदेशक डॉ. ओ. पी. सिंह को राजभाषा चलशील्ड प्रदान करते हुए



श्री एम.आर.कालवे महानिदेशक से पुरस्कार प्राप्त करते हुए



मुंशी प्रेमचंद की कहानी "पंच परमेश्वर" के रूपांतरित नाटक एवं सांस्कृतिक कार्यक्रम की झलकियाँ

अखिल भारतीय विभागीय हिंदी निबंध प्रतियोगिता

अखिल भारतीय विभागीय हिन्दी निबंध प्रतियोगिता 2012 का आयोजन किया गया जिसमें श्री एम. आर. कालवे, (मुख्यालय), नई दिल्ली ने प्रथम, श्री संजय ओनील, प्रा. मौ. केन्द्र, गुवाहाटी ने द्वितीय, श्री रामहरि शर्मा, मौ.वि.म.नि. (उ.वा.उ.), नई दिल्ली ने तृतीय, श्री ललित कुमार शर्मा, (मुख्यालय), नई दिल्ली, श्री जयकुमार शर्मा, निदेशक, मौसम केंद्र, अगरतला व श्री मौ. इमरान अंसारी, मौ. वि.-I, मौ.वि.म.नि.(उ.वा.उ.),नई दिल्ली ने प्रोत्साहन पुरस्कार प्राप्त किए। अखिल भारतीय विभागीय हिन्दी निबंध प्रतियोगिता 2012 के दिल्ली स्थित कार्यालयों के विजेताओं को महानिदेशक महोदय द्वारा प्रमाण-पत्र प्रदान किए गए।

PUBLICATIONS

A research paper titled "Estimating tsunami potential of earthquakes in the Sumatra – Andaman Region based on broadband seismograms in India" by Dr. R S Dattatrayam, Sci. 'F', Shri G Suresh, Sci. 'E' and Shri P. R. Baidya, Sci. 'E' was published in an international Journal "Natural Hazards".

An article titled "Southwest Monsoon in India and its Forecasting System" by Shri S.C. Bhan, Sci. 'E' was published in Yojana July 2012 issue.

A research paper titled "Forecast of Rice (Oryza Sativa L.) yield based on the climatic parameter in Srinagar, J & K" by Shri Sonam Lotus, Sci. 'C' has been accepted for Publication in Journal of Agro meteorology, India.

Research papers entitled, "Forecasting and nowcasting convective weather phenomena over southern peninsular India : Part I : Thunderstorm and Part II : Severe Local Storms" by Dr. R. Suresh, Sci. 'E' were published in the Indian Journal of Radio and Space Physics during Aug. 2012.

Climate Diagnostics Bulletin of India for Pre-monsoon season 2012 was brought out.

Two rainfall data products in CD ROM's viz. "Rainfall Atlas of India" and "100 Years (1901-2000) Monthly Rainfall Data Series for Districts, States, Met. Sub-Divisional and all India" were brought out.

12 Research Papers and 3 Letters have been published in departmental quarterly research journal, "MAUSAM", 63, No.3 (July 2012).

MoU BETWEEN IMD AND IITM

An MoU between India Meteorological Department and Indian Institute of Tropical Meteorology, Pune on implementing Dynamical Coupled Model Forecasting System for Long Range Forecasting seasonal mean and extended range forecasting of Active-Break spells was signed on 10th July 2012.

BALLOON RELEASING CEREMONY ON INDEPENDENCE DAY



IMD in coordination with Ministry of Defence participates in the celebration of Independence Day (15 August) for the last 40 years. At Red Fort about 5000 tri-color balloons and 16 tri-color flag buntings were released on this occasion. The sky filled with tri-colour balloons & buntings marks the culmination of the ceremony. It was appreciated by the VVIP's, VIP's and general public present during the ceremony.

SADBHAVNA DIWAS



Dr. L. S. Rathore, DG, IMD is administering pledge

The birth anniversary of former Prime Minister of India late Shri Rajiv Gandhi is observed on 20th August every year as Sadbhavna Diwas. The theme is to promote National Integration and communal harmony among the people of all religions, languages and regions. This year Sadbhavna Diwas was observed on 17th August 2012. Dr. L.S. Rathore, DG IMD administered this year Sadbhavna Pledge to all officers and staff members at 11 A.M. on 17th August 2012.

उपकार्यालयों में हिन्दी पखवाड़ा का आयोजन



हिन्दी पखवाड़ा एवं हिन्दी दिवस का आयोजन इस विभाग के सभी उपकार्यालयों में मनाया गया। राजभाषा हिन्दी के अधिकाधिक प्रयोग एवं हिन्दी के प्रति रुचि व जागरूकता बढ़ाने के लिए विभिन्न प्रतियोगिताओं का आयोजन किया गया। इन कार्यक्रमों में अधिकारियों व कर्मचारियों ने बड़-चढ़ कर हिस्सा लिया। प्रादेशिक मौसम केन्द्र, मुम्बई में हिन्दी दिवस के अवसर पर राजभाषा हिन्दी के प्रयोग की प्रगति से संबंधित समाचार पत्रिका का विमोचन उप महानिदेशक, श्री एन. वाई. आपटे द्वारा किया गया। डॉ. इन्द्र जीत सिंह, प्रधानाचार्य, केन्द्रीय विद्यालय, बोरझर, गुवाहाटी द्वारा प्रादेशिक मौसम केन्द्र, गुवाहाटी में दिनांक 13 सितंबर 2012 को एक व्याख्यान दिया गया। प्रादेशिक मौसम केन्द्र, नागपुर में डॉ. रेणु बाली, प्रधान हिन्दी विभाग, मौरिस कॉलेज, नागपुर द्वारा विजेताओं को पुरस्कार प्रदान किया गया। श्री देवकी नन्दन पाठक, हिन्दी शिक्षण योजना मुख्य अतिथि एवं श्री राजेश कुमार तिवारी, वरिष्ठ अभियंता दूरदर्शन केन्द्र, पणजी, विशेष अतिथि के रूप में मौसम केन्द्र गोवा द्वारा आमंत्रित किए गए थे।

INFRASTRUCTURE DEVELOPMENT

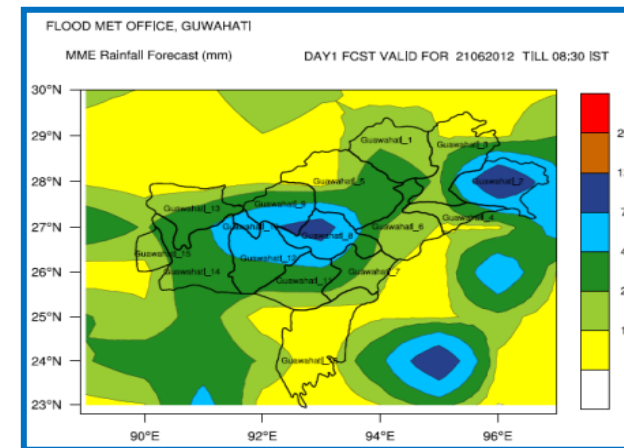
ATP Committee for North East Seismic Telemetry Network, comprising of Shri N. K. Pangasa, Scientist 'F', Dr. Rajesh Prakash Scientist 'E', Shri P. R. Baidya, Scientist 'E' and Shri R. K. Singh, Director conducted acceptance test at CRS, Delhi during the period 17-19 July 2012. They also conducted acceptance test along with committee member Shri A. C. Lyngdoh, Met. Gr.I at CRS, CSO Shillong during the period 25-27th July, 2012 and at a field station Tadong during 28-29 July.

A MBPS line from IMD, Lodi Road, New Delhi to NCMRWF, Sector 62, Noida commissioned on 17th July, 2012 as a part of the project titled "Establishment of VSAT/Terrestrial link to seismic and GPS network stations operated by various national agencies".

Two ARG stations were commissioned at Nilakottai and Dindigul located in Tamil Nadu in August 2012. Dr. Y. E. A. Raj, DDGM, RMC Chennai inaugurated the newly constructed building for FMU Gulbarga on 29th August 2012.

Met. Report display and disseminations system designed and developed by AMO Chennai has been installed and commissioned at AMS Trichy on 12th September 2012.

MODEL BASED QUANTITATIVE PRECIPITATION FORECAST

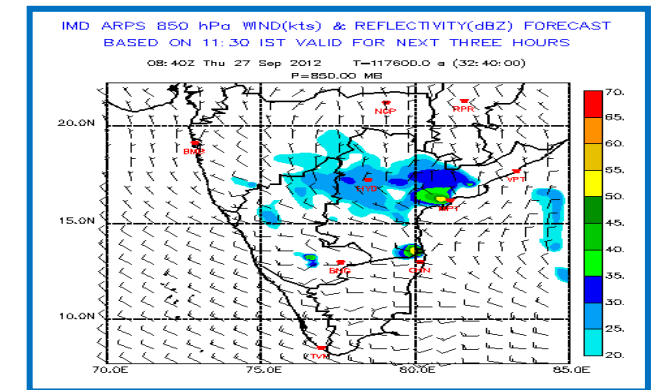


Sub-basin wise Quantitative Precipitation Forecast (QPF) for day-1, day-2, day-3 using NWP model, operational WRF ARW (9 km x 9 km) and Multi-model Ensemble (0.25° X 0.25°), are computed and uploaded on the IMD's website www.imd.gov.in operationally during flood season 2012 for 71 flood prone river sub-basins.

ADVANCED MET. TRAINING COURSE FOR M. TECH. DEGREE

Dr. Somenath Dutta, DDGM (Training) visited Andhra University and held a meeting with the head, department of Meteorology and Oceanography of the above University during 17th and 18th August 2012 for settling the remaining administrative cum technical issues in connection with the recognition of Advanced Meteorological Training Course (General Meteorology) of IMD equivalent to M. Tech. degree. He also delivered a lecture on "Hydrodynamic instability to the M.Sc/M. Tech. students of the department

OPERATIONAL IMPLEMENTATION OF ARPS MODEL



Advance Regional Prediction System (ARPS) Model for North East Monsoon is run using Initial and boundary condition from IMD Global Forecasting System (GFS). The radial velocity and reflectivity data of DWR are assimilated in ARPS Model through ADAS data assimilation package. The assimilation is performed as a sequence of intermittent cycles of 20 minutes. Reflectivity (dBZ) overlaid on wind field (knots) at 850 hPa, is plotted for next 3 hours updated at every hour round the clock. Real time forecast from ARPS Model with Radar Data assimilation are available on http://www.imd.gov.in/section/nhac/dynamic/ARPS_NE_MON.htm.

HUMAN RESOURCES DEVELOPMENT

Shri O. P. Sreejith, Met. Gr. I and Shri Sanjay D. Raskar, S.A. participated in the "GARUDA-NKN Partners Meet 2012" during 20-21, July, 2012 at Bangalore organised by Centre for Development of Advanced Computing (CDAC), Bangalore.

Shri A.K. Das, Scientist 'C' participated in Training course on "Dynamic Data Assimilation – Methods and Algorithms" - organized by NCMRWF during 23rd July to 3rd August 2012.

Shri Lalit Shripad, A.M. II, Shri Sikandar M. Jamadar and Shri Ravindra G. Patil, S.A. and Smt. Smitha Nair S.A. participated in the Training Workshop on "GARUDA –GRID" on 7-8 August, 2012 at Pune organised by Centre for Development of Advanced Computing (CDAC), Pune.

Training on 'Crop Yield Forecasting using statistical and crop simulation model' was organized to the newly joined SRFs under FASAL during 4th to 10th September 2012.

Dr. Ashok Kumar Das, Scientist "C" attended training on 'Application of Remote Sensing and GIS in Hydrology' during 11-13th September, 2012 at NIH, Belgaum.

A Meteorological Instruments, Servicing and Maintenance Training Course for 10 Naval sailors was conducted from 17th to 28th September 2012.

MEETING ON SEISMIC MICROZONATION



Eighth meeting of the Advisory and Monitoring Committee on Seismic Microzonation of NCT Delhi on 1: 10K scale was held on 6 July 2012 at EREC conference Hall, under the Chairmanship of Prof. A. S. Arya, Hon'ble Member, Bihar State Disaster Management Authority to review Seismic Microzonation results/products before finalization. In this meeting reputed structural engineers, planners and officials involved in disaster management were also specially invited to apprise with the Seismic Microzonation products generated for part of NCT Delhi and to further discuss strategy of implementation of seismic microzonation products in land use planning and design of building codes for NCT Delhi.

NATIONAL POLICY FOR DATA SHARING AND ACCESSIBILITY



A Meeting on "National Policy for Data Sharing and Accessibility – Declassification of Secret Stations" was held at H.Q. New Delhi on 12th and 13th July 2012, under the Chairmanship of Dr. (Mrs.) Surinder Kaur, Scientist 'F'. Shri S. C. Bhan, Scientist 'E', Shri S. B. Tyagi, Scientist 'E', Shri U. P. Singh, Scientist 'D', Shri Darshan Kumar, Asst. Met. from HQ New Delhi and Dr. G. Krishnakumar, Scientist 'E', Dr. P. Guhathakurtha, Scientist 'E', from ADGM (R) Pune, Office attended the meeting as committee members. It was concluded in the meeting to co-ordinate with Ministry of Water Resources and Ministry of Defence for declassification of secret/classified weather stations.

USER MEET ON "WEATHER SERVICES"



The User Meet on "Weather Services: Bridging the gap with user communities/stakeholders" was organised by R.M.C, Chennai on 5th September 2012 at I.I.T. (Madras), Campus, Chennai. The programme was sponsored by Govt. of Tamil Nadu under UNDP, Chennai. Dr. L. S. Rathore, DG, IMD, presided over the meet. Shri Jaindra Nath Swain, I.A.S., Principal Secretary, Govt. of Tamil Nadu, the Chief Guest delivered the inaugural address. Dr. Y. E. A. Raj, DDGM, RMC Chennai, Dr. S. R. Ramanan, Scientist 'E' and several other officers participated in the meet. Around 47 delegates from 45 organizations including representatives from the State and Central Government offices participated in this User meet.

INDIVIDUAL PARTICIPATIONS

Shri B. Mukhopadhyay, DDGM(C) attended a Theme Meeting on "Joint Research and Development of Atmospheric Instrumentation for Operational Meteorology under SAMEER" on 24th July 2012 at Mumbai.

Dr. Sunil Peshin, Scientist 'F' attended National Coordination Committee meeting for Polar Programme organized by NCAOR, Goa under the Chairmanship of Dr. Shailesh Nayak, Secretary, MoES on 14th August 2012 at MoES, New Delhi to review the program of the Annual Indian Scientific Expeditions to Antarctica, Arctic and Southern Ocean as well as to finalize the composition of the Indian Scientific teams.

Dr. Medha Khole, DDGM(WF), Pune attended the first meeting of the Technical Expert Committee constituted by Director of IITM, Pune for procurement of "Interactive Voice Response Service System Design for SAFAR, Pune" on 27th August 2012 at IITM, Pune.

Smt. Manorama Mohanty, Met.-I attended the meeting on 3rd August 2012 at Agriculture Office, Gandhinagar and briefed Hon'ble Agriculture Minister Shri Sharad Pawar, Hon'ble Chief Minister of Gujarat, Shri Narendra Modi & other officials about the Rainfall activities over Gujarat Region.

Dr. A.K Sharma, Scientist 'F' attended a meeting related to MOP-3 programme at SAC Ahmedabad on 18-19 Sep. 2012.

Shri Suresh Ram, Scientist 'D' CAMD, New Delhi attended 16th Meeting of Communication/Navigation/ Surveillance and Meteorology Sub-Group at Bangkok, Thailand from 23-27 July 2012.

Ms Latha Sridhar, S.A. participated in the "Targeted Training Activity on El Nino Southern Oscillation - Monsoon in the Current and Future Climate" at ICTP, Trieste, Italy from 30th July to 10th August, 2012 organised by International Centre for Theoretical Physics.

Mr. Hirendra Ashwin Kumar Singh, Director alongwith three other officials was on deputation for four weeks from 20th August to 14th September 2012 for technical training in Hardware and software of Automatic Message Switching System (AMSS) at Paris, France.

Dr. L. R. Meena, Scientist, 'F' attended 15th Session of WMO Commission for Basic System (CBS) held at Jakarta, Indonesia from 10 -15 September 2012.

Dr. L. S. Rathore, Director General of Meteorology attended and chaired the meeting of Governing Board of SMRC from 12-13 September, 2012 followed by the Selection Committee meeting on 14th September at Dhaka, Bangladesh.

Shri Virendra Singh, Director participated in the WMO EUMETSAT workshop on RGB Satellite products Standard Application and opportunities from 17-19 September 2012 in Germany.

Shri A. D. Tathe, Director attended 2nd Bilateral meeting with KMA, Korea from 20-21 September, 2012 as a member of Indian delegation.

INTERNATIONAL GEOLOGICAL CONGRESS (IGC) MEET

Dr. R. S. Dattatrayam, Scientist-'F' (EREC), IMD visited Brisbane, Australia, as part of a 4-member delegation led by Secretary, MoES, for attending the 34th meeting of the International Geological Congress (IGC), during 5-10 August, 2012. As a part of this meeting, India, represented jointly by the Ministry of Mines/Geological Survey of India, the Ministry of Earth Sciences and the Indian National Science Academy (INSA), presented a south Asian bid, on behalf of five countries viz., India, Bangladesh, Nepal, Pakistan and Sri Lanka, for holding the 36th meeting of IGC in India in 2020. India won the bid, with overwhelming response of 128 votes in its favour as against 51 votes for Canada, the only other contender.



Dr. R.S. Dattatrayam (extreme right)



Dr. L.S. Rathore, D.G. IMD - 4th from right at SMRC, Dhaka,



Ms Latha Sridhar (extreme right)



Participants of Surveillance and Meteorology Sub-Group at Bangkok

ACHIEVEMENTS

- **Dr. R. S. Dattatrayam**, Scientist 'F' has been nominated from IMD for Prime Minister's award for excellence in Public Administration for the year 2011-12.
- **Shri S. B. Thampi**, Scientist-'E', DWR Chennai was deputed as an external expert for periodical performance of Review of JRF /SRFs of SDSC SHAR on 14th Jul 2012 at Sriharikota.
- **Dr. Somenath Dutta**, DDGM(Training) has been recognized as a Ph.D. guide of Vidyasagar University, Midnapur, West Bengal.
- **Smt. B. Geetha**, S. A, appeared for viva-voice examination RMC Chennai for awarding Ph. D degree in Atmospheric Science for her thesis entitled, "Indian NE Monsoon as a component of Asian Winter Monsoon and its relationship with large scale global and regional circulation features" under the guidance of Dr. Y. E. A. Raj, which was held on 26th July 2012 at RMC Chennai. Dr. T. R. Sivaramakrishnan, Professor, Sastra University, Thanjavur was the external examiner.



- **Shri Sonam Lotus**, Scientist 'C' was awarded a letter of appreciation by the Chairman of SASB, H.E The Governor of J & K, Shri N. N. Vohra, for issuing accurate weather forecast during Amarnath Yatra 2012 in a function attended by galaxy of state dignitaries on 8th August 2012 at Raj Bhavan, Srinagar.
- **Shri Anand Sharma**, Scientist-E M.C. Dehra Dun was awarded "Uttarakhand Gaurav award" by Shri Dev Vimal Herbal Heritage and Educational Society, Dehra Dun on 9th September 2012. The function was presided over by Shri M.M. Ghildyal, Lokayukt, Uttarakhand Government and former- Justice, High court, Nainital.
- **Shri M.L. Sahu**, Scientist 'E' & Director I/C was member of 3 member technical committee for making product for weather based agriculture insurance scheme for Rabi crop 2012-13 of Chhattisgarh. The product prepared has been notified by state Government.

MoES – 2012 ANNUAL AWARDS



On the occasion of celebration of MoES Foundation day on 27th July 2012, a Certificate of Merit is given to the Scientists/Engineers in Oceanic Science and Atmospheric Science working under the administrative control of the Ministry. The award consists of a cash prize of Rs. 30,000/- in addition to trophy and a citation. Dr. Kripan Ghosh and Dr. Ashok Kumar Das of IMD have been conferred upon certificate for their outstanding contribution in the field of Atmospheric Science & Technology. Shri Debajyoti Bhattacharya, Smt. Bharti Jha, Shri J.M. Sinha have been conferred best employees award in their respective cadre. The award and certificates was given by Shri Ashwini Kumar, the Honorable Minister of State for Earth Sciences on this occasion at Vigyan Bhavan, New Delhi.

MEDIA INTERACTION

Dr. M. Mohapatra, Scientist 'E' participated in live telecast programme of Delhi Doordarshan National Channel on 2nd July 2012. The topic was monsoon rainfall and its prediction.

An interview with **Dr. Medha Khole**, Scientist 'E', DDGM(WF), Pune on the topic 'Monsoon-Current Status and Prediction' was broadcast on 17th July 2012 on All India Radio.

Dr. Y. E. A. Raj, DDGM, RMC Chennai participated in a media programme on monsoon performance by Podhigai, Doordarshan Kendra, Chennai on 20th July 2012, which was subsequently broadcast.

Dr. S. D. Attri, Scientist 'E' participated in live programme on Weather at Doordarshan Kendra on 26th July and 1st August, 2012.

Shri B. Puttanna, Scientist 'E' participated in live programme on Monsoon at All India Radio on 26th July 2012.

Shri Manmohan Singh, Director M.C. Shimla participated in a current affair program "Aajkall" on the topic "Monsoon Aupada Ya Vardan" organized by Doordarshan, Shimla on 17th August 2012.

Shri B. Puttanna, Scientist 'E' gave a presentation on 'Early Warning System in Disaster Management – Karnataka State Experience' to Group A & B level Officers of Government of Karnataka at Administrative Training Institute, Mysore on 3rd July 2012.

Dr. P. Khare, Director delivered lecture regarding 'Technical aspects of Meteorology' in Hindi on Hindi Karyashala in the O/o ADGM (R), Pune on 4th July 2012.

Dr. Ashok Kumar Das, Scientist-'C' delivered a lecture on 'QPF and Rainfall Monitoring' on 6th July, 2012 at Central Training Institute, Pashan, Pune for Advance Met. Training Course.

Dr. M. Mohapatra, Scientist 'E' delivered lecture on the Indo-US training workshop and colloquium on modeling and data assimilation for tropical cyclone prediction during 9-14 July 2012 at IIT Bhubaneswar.

Shri Anand Sharma, Scientist-E, M.C. Dehra Dun delivered lectures on General Circulation, Radiation balance, Stability and instability of atmosphere etc. to M. Sc. students of Forest Research Institute University from 16 to 20 July, 2012.

Shri Manmohan Singh, Director, M.C. Shimla, attended a Training Program for the public relation officers of State on "Media Role in disaster Management" and delivered a lecture on the topic "Early warning for Hydro-Meteorological Disasters & Earthquakes" at Mashobra on 30th July 2012.

Dr. Medha Khole, DDGM(WF), Pune delivered an invited lecture on the topic 'Science of Weather Forecasting' at the meeting of Rotary Club of Poona Midtown on 22nd August 2012.

Shri S. C. Bhan, Scientist 'E' delivered lecture on "Modern Techniques in Agrometeorological Forecast" in the training programme on "CROP – Weather Dynamics" on 27th August, 2012 at CRIDA, Hyderabad.

Shri M. L. Sahu, Scientist 'E' delivered a lecture in a training of Chhattisgarh administrative academy at Secretariat, Raipur on 3rd September 2012 on "Rainfall and monsoon weather forecast".

Dr. Jayanta Sarkar, Scientist 'E' attended State Level Consultation Meeting on "Towards Urban Climate Change Resilience" at Surat on 12th September 2012 arranged by Surat Municipal Corporation & delivered a talk on "Climate Change Scenario over India."

Dr. R. Suresh, Scientist 'E' participated as Chief Guest in the 45th Engineers day celebrated by Institution of Engineers (India), Chennai chapter on 15th September 2012 and delivered a thematic address on 'Appropriate climate Responsive Technologies for inclusive Growth and sustainable Development'.

Dr. A. K. Srivastava, Scientist 'E', **Dr. D. S. Pai** Scientist 'E' and **Dr. P. Guhathakurta**, Scientist 'E' delivered lectures on 'Climate Science' to Forecasters Training Course at National Meteorological Training Institute (NMTI) at Pashan, Pune.

MONSOON MISSION INTERNATIONAL MEET



Participants of meeting at IITM, Pune

MoES, Govt. of India is launching 'National Monsoon Mission' (NMM) with a vision to develop a state-of-the-art dynamical prediction system for monsoon rainfall on different time scales, which is being co-ordinated by IITM. The National Monsoon Mission International Consultancy Meeting was held in IITM, Pune during 11-12 September to discuss the proposals received from national and international scientists/organizations. **Dr. S. K. Roy Bhowmik**, Scientist 'F' and **Dr. D. R. Pattanaik**, Scientist 'D' participated in this meeting and delivered talks on Operational Challenges of Short & Medium Range Weather Prediction and Operational Challenges of Extended Range Weather Prediction respectively.

PROJECTS EVALUATION

EMRC evaluated sixty one (61) Thermal Power, forty two (42) Industrial and fifty six (56) Coal Mine projects referred to this Department by the Ministry of Environment & Forests, New Delhi. Design storm studies for Ten (10) hydraulic projects have been completed and a revenue of approx Rupees Six Lacs has been generated.

TELECONFERENCE

Secretary, MoES convened a teleconference meet on 18th July 2012 with officials of IMD, Pune and New Delhi, NCMRWF and INCOIS. The conference was in connection with the development of National Climate Data Centre at Pune. **Dr. G. Krishnakumar**, Scientist 'E', **Shri A.K. Jaswal**, Scientist 'E' and **Shri U.R. Joshi**, Director attended the teleconference.

DISTINGUISHED VISITORS

Dr. Vivekanandan, scientist from UCAR, USA visited DWR Chennai on 20th September 2012 on his way to IITM, Pune. He discussed and suggested certain collaborative works with UCAR on DWR related matters.

Shri Anand Singh Khati, Joint Secretary, MoES visited IMD Pune on 27th September 2012. **Dr. Medha Khole** DDGM(WF) briefed him about the activities of the section. **Dr. Khole**, alongwith **Shri Anand Singh Khati**, Joint Secretary MoES, participated in the meeting with Heads of the other Division of IMD Pune on that day.