



IMD NEWS

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In this issue

- ▶ Visit of Secretary, MoES p1
- ▶ Foundation Day of MoES p1
- ▶ Delegates from Thailand p1
- ▶ Indo - US Science Colloquium p1
- ▶ Release of Cyclone e-Atlas p2
- ▶ Joint Meeting of IMD-ISRO p2
- ▶ हिन्दी पखवाड़े का आयोजन p2
- ▶ Future Programmes p3
- ▶ Workshop, Seminar and Lectures p4
- ▶ New Integrated Automatic Met Aviation System at IGI Airport, Delhi p4

Visit of Secretary to IMD



Dr. Shailesh Nayak assumed charge as Secretary MoES on 27th August 2008 and visited IMD on 28th August 2008 for informal interactive discussion with senior officials of IMD. He was given a detailed brief by way of presentation by Senior officers regarding functions and activities of IMD under its modernization plan, during his later visit on 20th September 2008. The Secretary appreciated various activities undertaken by IMD.

Foundation Day of MoES



On the occasion of the MoES Foundation Day celebration on 27th July 2008 at Vigyan Bhawan, New Delhi, Dr. Medha Khole, Director in DDGM(WF), Pune, Shri Anand Kumar Sharma, Director at M.C. Dehradun and Shri Manish R Ranalkar, Met. II in DDGM(SI), Pune, were awarded the Certificate of Merit for their outstanding contributions in the field of atmospheric sciences. Shri M.K. Purohit, Asstt. Met. II, Hydrology Section, DGM's office, Shri Wahid Khan, S.O., M.C. Bhopal and Shri Narendra Mahato, Chowkidar, DGM's Office were also awarded for their meritorious services to the department. The Awards were presented by Smt. Sheila Dikshit, Chief Minister of Delhi.

Delegates from Thailand



About 75 delegates from Department of Disaster Prevention and Mitigation, Thailand, headed by Mr. Anucha Mokkhavesa, visited IMD on 15th July 2008. The objective of the visit was to share the views on disaster preparedness and prevention aspects. In his welcome address, DGM highlighted the cordial relationship between the two countries with respect to disaster management. Both the countries are members of WMO /ESCAP panel on Tropical Cyclone. The RSMC, New Delhi, provides tropical weather outlook and tropical cyclone advisories to all the eight member countries including Thailand.

मौसम शोध पुरस्कार

वर्ष 2004-2005 के लिए द्विवार्षिक तृतीय मौसम शोध पुरस्कार डा. हरी सिंह, निदेशक और श्री राजेन्द्र प्रसाद, सेवानिवृत्त निदेशक को 29 सितंबर 2008 को हिन्दी दिवस समारोह में मौसम विज्ञान के महानिदेशक डा. अजित त्यागी द्वारा प्रदान किया गया।



विभागीय वैज्ञानिको को हिन्दी भाषा में वैज्ञानिक शोध-पत्र लिखने के लिए प्रोत्साहित करने के उद्देश्य से भारत सरकार द्वारा वर्ष 1993 में एक द्विवार्षिक मौसम शोध पुरस्कार की स्थापना की गई थी। यह पुरस्कार विभागीय शोध पत्रिका 'मौसम' में प्रकाशित सर्वश्रेष्ठ हिन्दी शोध-पत्र के लेखको को प्रदान किया जाता है। इस पुरस्कार में प्रशस्ति पत्र व दस हजार रुपये प्रति लेखक दिया जाता है।

Science Colloquium on Earth Observation and Earth Sciences: 11-12 September 2008, New Delhi

The first Indo-US science colloquium was convened in New Delhi during 11-12 September 2008 by Ministry of Earth Sciences (MoES) and the United States National Oceanic and Atmospheric Administration (NOAA) on 'Earth Observations and Earth Sciences for Societal Benefits'. A Memorandum of Understanding (MoU) between MoES and NOAA was signed on 16th April 2008, in response to the recognition of the importance of cooperation on the GEOSS. Topics discussed during the colloquium included enhancing Indian Ocean Observations, improving monsoon and weather forecasting, climate monitoring and prediction. The overarching theme was how best to work together to better the understanding of these phenomena for societal benefits.

Co-chaired by Dr. Shailesh Nayak, Secretary of MoES and Dr. Chet Koblinsky, Director of NOAA's Climate Program Office, the colloquium resulted in the signing of three implementing arrangements (IAs) on Climate Monitoring and Prediction System for the South Asian Region, Climate Model and Ocean Assimilation Analyses for the Indian Ocean Region and Development of the South Asian Regional Reanalysis (SARR) to advance Understanding, Modeling and Prediction of Monsoon Hydroclimate Variability and Change.



Delegates from NOAA, USA

EVENTS

Release of Cyclone e-Atlas-IMD



Director General of Meteorology Ajit Tyagi (centre) handing over the first copy of the Cyclone eAtlas-IMD CD to NIOT Director Dr..S.Kathiroli in Chennai

An electronic version of the cyclone atlas of IMD, titled "Cyclone eAtlas – IMD" was released by DGM at a function held at RMC, Chennai on 26th August 2008 by handing over the first copy of the eAtlas CD to NIOT Director Dr. S.Kathiroli. The function was attended by about 125 invitees, including officers and staff of RMC, Chennai. Digitization of nearly 1500 tracks of cyclones and depressions was carried out. RMC Chennai developed this software to extract the tracks and other climatological details of Cyclones and Depressions that affected Indian seas during the period 1891-2007.

DGM's visits

1. M.C. Shimla

Dr. Ajit Tyagi, D.G.M. visited MC Shimla during 13-15 Aug 2008. He inspected the office and discussed various points related to the office. The progress of site selection for the AWS/ARGs' (Mod) and Hydrology Project Phase –II was also discussed. He addressed the staff there & also granted interview to the electronic media (Door Darshan, Shimla). He made a proposal for the installation of one more Doppler radar in Himachal Pradesh in the district of Chamba in addition to the Radar at Shimla.

2. M.C. Chandigarh



DGM visited M.C. Chandigarh on 15th August, 2008. While addressing the staff he informed about the ongoing modernization plan of the department and prospects of promotions of the staff. He advised all the officers and staff members to be very vigilant, sincere and to give full devotion to their work. He appreciated the work of M.C. Chandigarh especially services provided by the office in respect of non-Aviation Forecast. He also visited the site where construction work of the office complex of M.C. Chandigarh is going on, alongwith Director, AAU. DGM also discussed about the progress of construction of Doppler Weather Radar building at RS/RW Patiala and instructed to expedite the formalities.

Video Conferencing with winter team at Maitri, Antarctica

DGM participated in a video conference which was arranged at NCAOR, Goa with the team of Indian Antarctic scientific expedition at Maitri, on 26 September 2008. The IMD team member has briefed DGM on the existing status of instruments at Maitri station and the requirements for upgradation of IMD instruments. DGM wished them for a successful completion of the Indian Antarctic expedition program and a safe return to India.

Sadbhavana Diwas

The 'Sadbhavana Diwas', commemorating the birth anniversary of Late Shri Rajiv Gandhi was observed in IMD and DGM administered pledge to the employees. The theme of Sadbhavana Diwas was to promote national integration and communal harmony among people of all religions, languages and regions and to eschew violence and to promote goodwill among the people.

हिन्दी पखवाडा 1.9.2008 से 15.9.2008

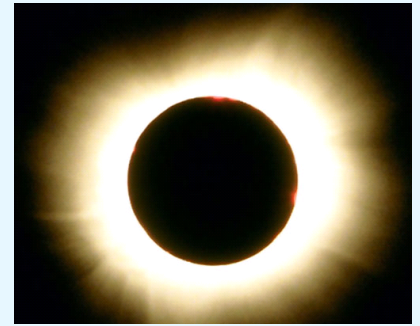


भारत मौसम विज्ञान विभाग में हिन्दी पखवाडा 1.9.2008 से 15.9.2008 तक मनाया गया जिसमें हिन्दी निबन्ध, हिन्दी टिप्पण और मसौदा लेखन, वाद-विवाद, स्वरचित कविता पाठ, पत्र लेखन तथा टंकण प्रतियोगिताएँ एवं सांस्कृतिक कार्यक्रम इत्यादि प्रस्तुत किए गये। प्रथम, द्वितीय व तृतीय पुरस्कार पाने वाले विभागीय कर्मचारियों को मौसम विज्ञान के महानिदेशक ने पुरस्कार प्रदान किए।

Weather Advisory for Amarnath Yatra

The special enroute weather forecast (for both the routes viz. Pahalgam and Baltal) issued by M.O. Safdarjung for the annual Shree Amarnath Ji Yatra 2008 was disseminated on real time basis to various user agencies through Weather Advisory base camps for smooth conduct of Yatra. The special weather forecast was issued during 17 June to 17 August 2008. Our services were appreciated in all circles.

Solar Eclipse



A total eclipse of the Sun occurred on 1st August 2008. The partial phase of the eclipse was visible in India, beginning at 13 hr 34 m and ending at 18 h 08 m (IST). Positional Astronomy Centre, Kolkata had organized an observational program on that day to view the eclipse with aid of 11" and 6" telescopes set up on the roof top of the PAC building. Different electronic and print media were present for coverage of the event. People interested in sky-watching were also present to enjoy the spectacle.

Visit of MFI Team at RMC, Kolkata

Meteo France International (MFI) team led by Mr Herve Grimaud visited RMC Kolkata on 26 August 2008. Dr G. C. Debnath, Director, briefed the visiting team about the present forecasting system of the region in general and the activity of ACWC in particular. The MFI team also demonstrated the synergy & public dissemination system for implementation of MFI under modernization programme. The team also visited M O Kolkata to assess the existing infrastructural facility available there.

Joint Meeting of IMD-ISRO on Meteorological Infrastructure

First meeting of Joint Working Group of IMD-ISRO on Modernization of Meteorological Infrastructure in the country was held on 19th August, 2008 at IMD, New Delhi under the chairmanship of Dr. Ajit Tyagi, DGM. Senior scientists of ISRO and IMD officers attended the meeting. In this meeting the need of the meteorological infrastructure was discussed in detail and various subgroups have been formed on different meteorological equipments e.g. GPS Sonde, Drop Sonde, Satellite Products, Wind Profiler, Automatic Weather Stations and Digital Cyclone Warning Dissemination Systems.

FUTURE PROGRAMMES

Forecast Demonstration Project (FDP) - On Tropical Cyclone

A program on, "Prediction of tracks of Tropical Cyclone over the Bay of Bengal" was marked at the top priority during the delegation level meetings with NCAR, USA in 2005. As follow up action Forecast Demonstration Project (FDP) has been planned on the lines of NOAA-HRD and NCAR'S experience. It will help in minimizing the error in prediction of Tropical Cyclone track and intensity forecast. The program has been divided into three phases

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

During pre-pilot phase (15 Oct-30 Nov 2008) several National and International institutions will participate in joint observational, communicational & NWP activities.

Forecast Demonstration Project (FDP) - on Fog

Accurate forecasting of onset, intensity and duration of Fog is very crucial for aviation services. Recently, Centre for Mathematical Modeling and Computer Simulation (CMMACS), Bangalore developed a dynamical method for fog forecasting that showed promising results. To implement the Fog Forecasting System for operational application at IMD, Secretary MoES constituted a Project Advisory and Management Council (PAMC) with DGM as the Chairman and a project team. The project has two scientific Objectives. (a) *Phase I*: Calibration and testing of CMMACS Fog model for implementation from 1 November, 2008 for four Airports : Delhi, Kolkata, Bangalore and Amritsar and (b) *Phase II*: Multi-institutional joint development work for improving the model resolution and boundary layer physics. For Preparation of the project document, a multi-institutional task team has been constituted. The document would cover climatological, dynamical, physical and operational aspects. Based on this study, the FFS development work would be expanded for other airports.

Future Collaboration with NOAA

Future projects were discussed during the colloquium visit of NOAA scientist on 11-12 September 2008 that includes technical and scientific cooperation related to satellite data applications, greenhouse gas measurements, tropical cyclone forecasting and Tsunami Systems. Both sides have tentatively agreed to hold the joint committee meeting for MoU in 2009 for overall review of the progress and future joint works.

INTROMET 2009

International Conference on "Challenges and Opportunities in Agro meteorology" is planned to be held at New Delhi during 23-25 February 2009.

The global food security has gained the focus of scientific community due to enhanced climate variability, increasing population and dwindling resources. Almost every aspect of agriculture from long term planning to tactical decisions in day-to-day agriculture operations is dependent on climate and weather. It is the responsibility of the agro meteorologists to advise the farming community well in advance to take full advantage of benevolent weather and precautions against malevolent weather to minimize losses. The problem for growth in agriculture should be addressed collectively by scientists, planners and the society as a whole.

The INTROMET-2009 will focus on the above issues and draw attention of global agro meteorological community, administrators and policy makers to debate and devise improved methods and techniques for better prediction, preparedness and mitigation of the adverse weather impacts on agriculture production. It will also make farming community, risk managers and media aware of the possible impacts, consequences and mitigation measure to sustain food security.

Integrated Agromet Services

Annual review meeting of Integrated AAS is scheduled to be held at Anand Agricultural University Anand, Gujarat during 10-12th November 2008. This meeting will be attended by the representatives / scientists / officers from MoES, IMD, Forecaster's from all RMC's / MC's/ Ministry of Agriculture, ICAR and nodal officers/ Tech. Officers of 130 Agromet field unit from different Agro-Climatic Zones. The meeting is aimed to review the progress made during the previous year *i.e.* 2007-2008 and plan for future work as follows.

- (i) Annual progress highlighting quality of agro advisory, farmer feed back, media coverage and economic input assessment.
- (ii) Progress and improvement in dissemination network for better out reach to end users.
- (iii) Verification of bi-monthly district level medium range weather forecast during monsoon 2008.
- (iv) Awareness campaign amongst farming community.

MFI Programms - MIMOSA PROJECT



Honorable Mr. Kapil Sibal, Indian Minister for Science and Technology, Director General Dr. Tyagi and President Patrick Benichou Meteo, France International

A meeting was held between IMD and MFI officials at ADGM(R), Pune during 09 to 11 September 2008. The IMD team was led by Sh. Thakur Prasad, DDGM(C) and the MFI team was led by Sh. J. Boison, Project Manager. The activities discussed during the meeting were Initial System Design Review (ISDR), Climate System (CLISYS) and Presentation of the CLISYS survey scope.

Discussions were also held about CLISYS production, climatology processes and about further training program. Various points related to Met. Data were discussed in the meeting. IMD officials suggested that the Data Entry Software should have the facility to calculate some of the derived parameters like RH and VP etc. automatically. The products generated by other section e.g. district wise rainfall normals, climatological normals, upper air normals, Climate Temp message etc were also discussed during the meeting.

Forecast System for Commonwealth Games, Delhi - 2010

The basic objective is to provide venue specific real time weather information, provide venue/event specific weather forecasts in medium, short and nowcast ranges and to standardize the nowcast techniques for Delhi region and adopt the system as a Metropolitan Weather Information & Forecast System.

The Infrastructure required has been identified as 60 AWS, one C-band Doppler Weather Radar, five Vertical Wind Profilers and five Lightning Detection Systems, one Radiometer, three portable GPS Sonde and one Professional Service Provider to provide and operate the auto-nowcast system; generate visualization products; designs and operates web-site/web portal and arrange for transmission and display of products.

ACTIVITIES

Workshop / Seminar

To setup a Seismic Network at NE region, a training workshop on Telemetry & Design of Seismic Pillar was organized by EREC, IMD, New Delhi & CSO, Shillong during 5-6 August 2008 at Shillong & at Tezpur on 7th August 2008.

During the period from July to September 2008, Dr A. K. Bhatnagar, ADGM EREC, Shri S. K. Banerjee, ADGM(H), Dr. G. Srinivasan, Dir, Dr. N. Chattopadhyay, Dir, Dr. D. S. Pai, Dir, Dr. S. K. Roy Bhowmik, Dir, Shri N. Nigam, Dir, Shri N. T. Niyas, Met-II, Shri Hari Singh Sisodia, S.A. etc. were on foreign deputation for participation in various type of program/seminar/workshop.

A seminar was conducted by SMRC at Dhaka on 20-21 August 2008. Shri D. Pradhan, Dir CDR Kolkata and Dr. Somnath Dutta, Dir participated in SAARC seminar and presented their paper.



Five days training workshop for IAF Officers on "Doppler Weather Radar and product utilization in weather forecasting" conducted during 1-5 September 2008 at CDR Kolkata.

Interactive Voice Response System

IVRS is operational at 25 stations, HSDT at 25/27 stations and VSAT at 13/26 stations. Order has been placed with BSNL, Chennai for the establishment of MPLS VPN connectivity at 6 stations i.e. at DWR Kolkata, DWR Chennai, DWR Visakhapatnam, DWR SHAR (Sriharikota) and new airport at Hyderabad and Bangalore.

Agro-Met Division

Agrimet Division serves as a catalyst in enhancing agricultural production through Agromet services and research. The service aspects include Agromet Advisories, training, agromet observation and data management whereas the research component include R&D on water requirements of crops, pest & disease, dry farming research and crop weather relationship. Integrated agro-meteorological advisory service is essentially a multi-institutional program. IMD has upgraded the Agro-Meteorological Advisory Service from agro-climatic zone scale to district level & started issuing district level (612 districts) weather forecast up to 5 days in quantitative terms.

New Integrated Automatic Met Aviation System at AMO, IGI Airport, New Delhi

Dr. Ajit Tyagi, DGM, IMD during his field visit on 26th July 2008 to the new runway personally supervised all the installations, interacted with chief development officer DIAL and senior officers of AAI and extended all valuable guidelines and decision support in this regard. With this, IGI airport will have seven RVR instrument values (three at old main 28-RWY) available for services round the clock from various locations at the airport an exceptional instrumental supports unique in India to monitor low visibility during bad weather especially during dense fog and dust storms events of winter and summer respectively for which the airport is highly vulnerable. Test flight operations on new RWY 29 was conducted on 21st August 2008 successfully. AMO Palam provided all necessary Met. Guidance successfully on the day of test flight. IMD weather outlook briefed by Dr. R.K. Jenamani, Director in-charge in the DIAL pre-planning coordination meeting of 18th August. The new runway has become commercially operational.

Supply Order

CPU of HQ, New Delhi has placed supply order for AWS-550Nos., DWR-12 Nos. and Tender Notices were issued for Lightning Detection System-10 Nos. and Transmissometer-1 No. during the quarter.

Lectures

Shri Anand Kumar Sharma, Director, Meteorological Centre, Dehradun delivered an invited lecture on "Climatic variability and its impact on drought" in July 2008.

Dr. R. Suresh, Dir delivered a lecture for trainees of TNEB on 'Role of IMD in disaster management' on 14th July 2008.

Shri A. K. Srivastava, Dir delivered a lecture on "Meteorological Drought indices for drought monitoring" held at IIRS during 15-24 July 2008

Shri R. C. Bhatia, ADGM has given a lecture on Weather forecasting – Reality or a Myth organized by FGG-LP foundation on 25th September 2008 at New Delhi.

Seminars conducted at Delhi Office

JULY 2008			
Day	Date	Subject Area	Speaker
Wed	2	Use of GIS in Met., Hydro and Seismo	Dr. R. K. Singh
Wed	16	Procurement Process	Shri S.C. Jain
Wed	23	CTCZ programme	Dr. O.P. Singh
AUGUST 2008			
Day	Date	Subject Area	Speaker
Wed	6	Real time seismic monitoring network as part of Tsunami	Shri G. Suresh
Wed	13	New Developments in Radar Meteorology	Dr. R.K. Datta
Wed	20	Human Resources Development / Management	Shri D.K. Nim
Wed	27	Ozone Monitoring over India	Dr. S.K. Peshin
Fri	29	Monthly Weather of Aug. & Forecast for September.	DDGM(S)
SEPTEMBER 2008			
Day	Date	Subject Area	Speaker
Wed	3	Monthly Weather Review for August & Weather Forecast for September 2008	Shri B.P. Yadav
Wed	17	Cyclone Warning Dissemination System	Shri D.C. Gupta
Wed	24	Monthly and seasonal Forecasting couple model outputs	Dr. D.R. Pattanaik

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HRD & WELFARE

During the quarter July – September 2008

PERSONALIA

DPC/ASSESSMENT

S. No.	For promotion to the Post	Details
1.	Asstt. Met. Gr. II to Asstt. Met. Gr. I	DPC held on 21. April 2008 and promotion order issued on 1 August 2008.
2.	UDC to Admin Asstt.	DPC held on 5 August 2008 and promotion order issued on 8 August 2008.
3.	Met. Gr. I to Director	Assessment board meeting held on 8 August 2008 and Promotion order issued on 19 September 2008
4.	SO/D'man to SA	DPC held on 18 August 2008 and promotion order issued on 25 August 2008.
5.	SA to A.M.-II	DPC held on 20 August 2008 and promotion order issued on 25 August 2008.
6.	Private Secretary to senior Private Secretary	DPC held on 15 September 2008 and promotion order issued on 19 September 2008.
7.	Steno Gr. I to Private Secretary	DPC held on 15 September 2008 and promotion order issued on 29 September 2008.
8.	Private Secretary to senior Private Secretary	DPC held on 24 September 2008 and promotion order issued on 29 September 2008.

PROMOTION

S. No.	Post	Details
1.	Asstt. Met. Gr. I	19 Nos. Asstt. Grade II have been appointed as Asstt. Met. Gr. I on officiating capacity w.e.f. dated 01 August 2008 or from the date they assume charge
2.	Administrative Asstt.	9 Nos. Upper Division Clerks have been appointed as Administrative Asstt. in an officiating capacity w.e.f. dated 8 August 2008 or from the date they assume charge
3.	Scientific Asstt.	413 Nos. Senior Observer/Draughtsman have been appointed as Scientific Asstt. on ad-hoc basis w.e.f. dated 25 August 2008 or from the date they assume charge
4.	Asstt. Met. II	446 Nos. Scientific Asstt. have been appointed as Asstt. Met. Gr. II on adhoc basis w.e.f. dated 25 August 2008 or from the date they assume charge.
5.	Director	6 Nos. Met. Gr. I have been promoted as Director w.e.f. dated 22 September 2008 or from the date they assume charge
6.	Lab. Asstt. Gr. II	24 Lab. Asstt. Gr. III have been appointed as Lab. Asstt. Gr. II in an officiating capacity w.e.f. from 19 September 2008 or from the date they assume charge.

RETIREMENT

July 2008

S.No.	Name	Designation	Office
1.	Shri S.P. Rawat	Asstt. Met. Gr-I	DGM's Office, New Delhi
2.	Shri V. Lakshminarayana	Asstt. Met. Gr-II	MC Hyderabad, RMC Chennai
3.	Shri M.D. Majirana	Asstt. Met. Or-I	MC Ahmedabad, RMC Mumbai
4.	Shri V.G. Gulappanavar	Asstt. Met. Gr-I	MC Goa, RMC Mumbai
5.	Shri K. Subba	Asstt. Met. Or-I	RMC Chennai
6.	Shri M.J. Narasimhalu	Met. Gr- I	AMO Chennai, RMC Chennai
7.	Shri S.K. Sharma	Asstt. Met. Gr- I	DGM's Office, New Delhi
8.	Dr. K. Ananda Rao	Met. Gr-I	CDR Vizag,RMC, Chennai
9.	Shri R.B. Lal	Asstt. Met. Gr- II	MC Patna, RMC Kolkatta
10.	Shri A.S. Chowdhury	Asstt. Met. Gr-I	MO Kolkata, RMC Kolkatta

HRD & WELFARE

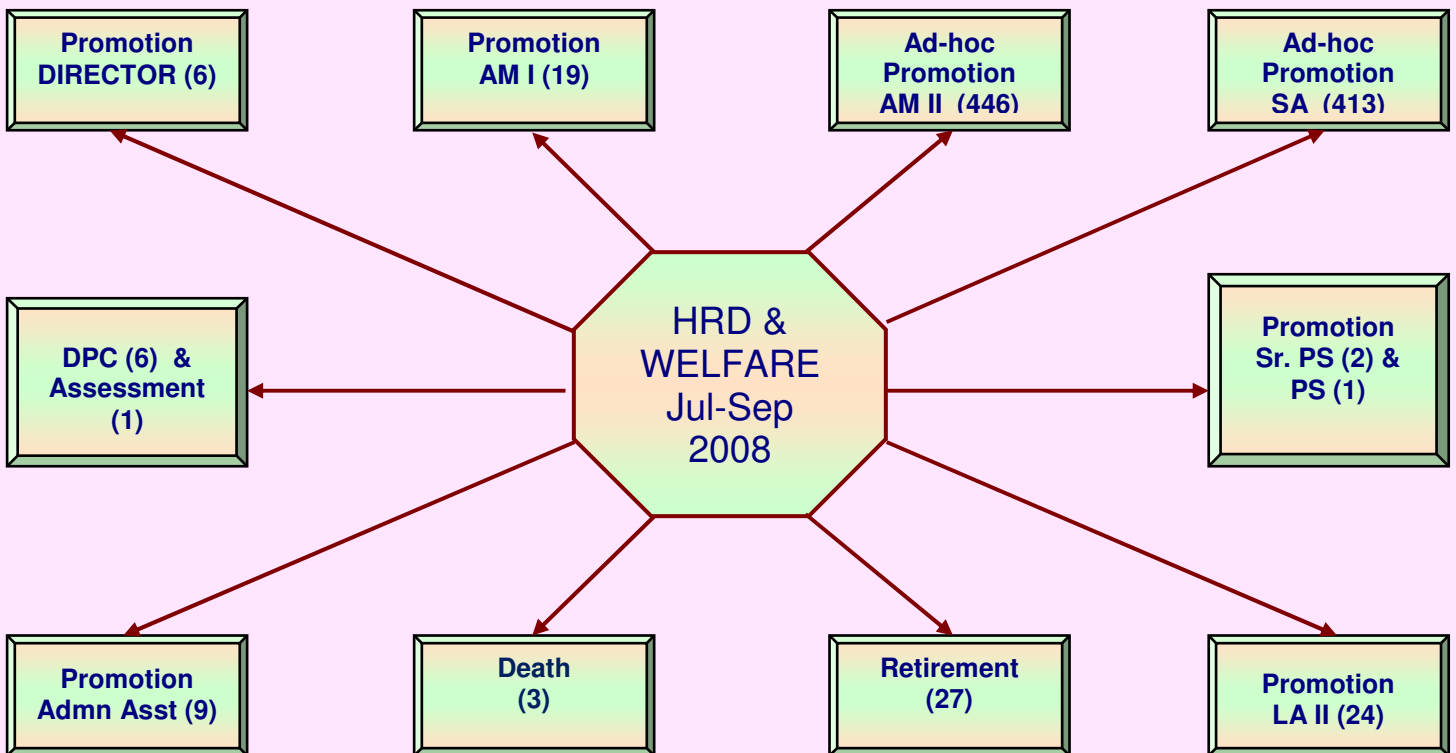
August 2008

11.	Shri S.V. Lambat	Asstt. Met. Gr-I	RMC, Nagpur
12.	Shri Jeet Ram Parwal	Asstt. Met. Gr-II	DGM's Office, New Delhi
13.	Shri Mohd. Sultan Ahmed	Asstt. Met. Gr-I	MC, Bangalore, RMC, Chennai
14.	Shri L.N. Bhamidipati	Asstt. Met. Gr-I	CDR Vizag, RMC, Chennai
15.	Shri O.D. Sharma	Asstt. Met. Gr- I	DGM's Office, New Delhi
16.	Shri B.K. Chakraborty,	Asstt. Met. Gr- I	DGM's Office, New Delhi

September 2008

17.	Shri B.D. Grover	Sr. Private Secretary	DGM's Office, New Delhi
18.	Dr. L.D. Aggarwal	Director	DGM's Office, New Delhi
19.	Shri G.M. Shinde	Asstt. Met. Gr-I	RMC, Mumbai
20.	Shri N.K. Chanchalani	Asstt. Met. Gr-I	MC Raipur, RMC, Nagpur
21.	Smt. A.U. Kale	Asstt. Met. Gr- II (Foreman)Ad-hoc)	ADGM(R), Pune
22.	Shri S. Selvaraj	Asstt. Met. Gr- I	DDGM(UI), New Delhi
23.	Shri B. Praqsad	Asstt. Met.-II	MC Patna, RMC, Koklkata
24.	Shri V.K. Bhosale	Met. Gr. -I	DDGM(WF), Pune
25.	Shri M. Yoosuf	Asstt. Met. Gr-I	CDR Kochi, RMC Chennai
26.	Shri S.V. Padval	Asstt. Met. Gr-I	RMC, Mumbai
27.	Shri S. Chakraborty	Asstt. Met. Gr-I	MO Kolkata, RMC Kolkata

FLOW CHART



O B I T U A R Y

July-September 2008

S.No.	Name	Designation	Date of Death	Office
1.	Shri S.K. Shimpi	Asstt. Met. Gr- II	10 July 2008	RMC, Mumbai
2.	Shri A.D.Dwehare	Asstt. Met. Gr- II	26 July 2008	ADGM(R), Pune
3.	Shri Raj Kumar	Admin. Asstt.	2 September 2008	DGM's Office, New Delhi

Important : The above information are also available on IMD website : <http://metnet.imd.gov.in>