



सत्यमेव जयते

भारत सरकार  
Government of India  
विद्युत मंत्रालय  
Ministry of Power  
पूर्वी क्षेत्रीय विद्युत समिति

**Eastern Regional Power Committee**

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No. ERPC/MS/ 2016-17/

Date: 23<sup>rd</sup> June, 2017

**FAX MESSAGE NO.** 331

To

As per list enclosed.

**Sub: Notice for Workshop cum interactive session on Web Portal for weather information for Power-Sector - reg**

Sir,

NLDC vide letter dated 07.06.2017 informed that an MOU has been signed between POSOCO & IMD on 18.05.2015 to have an effective weather information interface, exclusively for Power System Operation. In pursuance to this MOU, dedicated web portals for all 5 regions have been developed jointly by IMD & POSOCO. The weather locations presently available with IMD in all regions have been mapped with the electrical locations/stations. With a better understanding of this data, various utilities in the concerned region can equip themselves with better preparedness and improved operational planning, thereby enhancing the reliability of Power System Operation. The details of the information available at web portal is given at **Annexure-I**.


The representative from IMD will explain the interpretation of weather data available on web portal to derive the information and knowledge for decision making in the day to day operation of power system through interactive sessions.

Accordingly, ERPC in coordination with NLDC and ERLDC is arranging a **Workshop cum interactive session on Web Portal for weather information** on 7<sup>th</sup> July, 2017 (Friday) at 10.30 hrs at ERPC, Kolkata.

Therefore, you are requested to nominate your officers for the participating in the above **Workshop cum interactive session** positively by 03.07.2017 to mail: [mserpc-power@nic.in](mailto:mserpc-power@nic.in) or by fax (033-2423-9652/53).

Thanking you.

Yours faithfully,

  
(A. K. Bandyopadhyaya)  
Member Secretary

## Information available on the Weather Web Portal

- **Regional Weather Summary** : This provides Weather Outlook for the Region for the current day and upto next 7 days.
- Weather stations of Meteorological department have been mapped to the nearest important Electrical Station/ Power Stations in each State .The Web portal Contains Station wise Now cast, weather Forecast & weather warning.
  - (a) **Now cast**: It is technique to forecast the Weather for a short period ahead. This is updated by Meteorological department every 3 hours.
  - (b) **Weather Forecast**: It is provided for the current day and next few days. It contains parameters such as Maximum/Minimum Temperature, Departure from Normal Temperature, Sunrise and Sunset time, Total Rainfall in mm in the last 24 hours etc.
  - (c) **Weather Warning**: Warning is issued for the next 3 hours. If there is no warning the parameter shows 'Nil'.
- **Radar**: The Doppler Weather Radar generates different displays and derived products of practical utility based on standard algorithms. These displays are updated @ every 10 minutes. Various Products available are :
  - (a) **Plan Position Indicator (PPI)**: A constant elevation surface data is presented as a cloud image around the Radar Station. The data depicted is on the slant range depending on the elevation angle (generally 0.5 degree)
  - (b) **Plan Position Indicator (Max-Z)**: This product is same as conventional Radars. A Display of cloud is generated for the Range on the X-Axis and height of the Cloud Surface on Y-Axis
  - (c) **Plan Position Indicator (Mean Velocity m/s)** : Indicate the mean velocity of cloud & its direction. Cloud moving towards Radar (-ve Mean Velocity), Moving away from Radar (+ve Mean Velocity)
  - (d) **Surface Rainfall Intensity (mm/Hr)** : The SRI gives an image of the Rainfall Intensity at surface layer with constant height above ground.
  - (e) **Precipitation Accumulation (mm)** :The PAC product is a second level product. It takes SRI products and Accumulates the Rainfall at a Time Period of 24 Hours.
  - (f) **Volume Velocity Processing**: This displays the wind velocity and wind direction in a vertical column above the Radar Site
- **Satellite Images**: Satellite makes measurements indirectly by sensing electromagnetic radiations coming from the surface below. INSAT 3D is being used to monitor the Weather of Indian Origin. The image is updated every 30 minutes.
- **Meteogram**- The Meteogram at Web-Portal provides plots for Meteorological variables such as Rainfall, Cloud Cover , Temperature , Humidity , Wind Speed, Sea Level Pressure , Indices for Thunderstorm etc for 10 days with a resolution time of three hours . Each Meteogram Provides information for the 10 km Radius.
- Region Specific Forecast such as Fog Forecast, Cyclone Forecast, Bay area Bulletin etc.

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**Copy to:**

1. Chief Executive Officer, POSOCO, National Load Dispatch Center, B-9 Qutab Institutional Area, Katwaria Sarai, New Delhi-110016.
2. General Manager, ERLDC, POSOCO, 14 Golf Club Road, Kolkata -700 033.

**Copy for kind information to:**

1. Chairperson, TCC & Director (Project), Jharkhand Urja Sancharan Nigam Limited , Engineering Building, HEC, Dhurwa, Ranchi-834004.
2. Chief Engineer (S&D-JBVNL), Jharkhand Urja Vikas Nigam Limited, Engineering Building, HEC, Dhurwa, Ranchi-834004.
3. Chief Engineer (S&D), Jharkhand Bijli Vitaran Nigam Limited , Engineering Building, HEC, Dhurwa, Ranchi-834004.
4. General Manager, Tenughat TPS, Lalpania, Dist- Bokaro, Jharkhand-829149.
5. Director (Project), Bihar State Power Transmission Company Limited, Vidyut Bhavan , Bailey Road, Patna-800021.
6. Chief Engineer (Commercial), Bihar State Power Holding Company Ltd., Vidyut Bhavan , Bailey Road, Patna-800021.
7. Director (Project), South Bihar Power Distribution Company Limited , Vidyut Bhavan , Bailey Road, Patna-800021.
8. Director (Operations), West Bengal State Electricity Transmission Company Ltd., Vidyut Bhavan, 8th Floor, Block-DJ, Sector-II, Bidhannagar, Kolkata-700091.
9. Director (R&T), West Bengal State Electricity Distribution Company Ltd., Vidyut Bhavan, 7th Floor, Block-DJ, Sector-II, Bidhannagar, Kolkata-700091.
10. Director (O&M), WBPDL, Bidyut Unnayan Bhavan, 3C, Block-LA, Sector-III, Bidhannagar, Kolkata-700098.
11. General Manager I/C (Corporate Technical), Durgapur Projects Ltd., Administrative Building, Durgapur-713201, West Bengal.
12. Chief Engineer (HQ), Energy & Power Dept., Govt. of Sikkim, Kazi Road, Gangtok-737101.
13. Chief General Manager (O&M), Odisha Power Transmission Corporation Ltd., Janpath, Bhubaneswar - 751022.
14. Director (Commercial), GRIDCO Ltd., Janpath, Bhubaneswar-751022.
15. Director (Operation), Orissa Power Generation Corporation Ltd, Zone-A, 7th floor, Fortune Towers, Chandrasekharapur, Bhubaneswar-751023.
16. Director (Operation), Orissa Hydro Power Corporation Ltd, Orissa State Police Housing & Welfare Corporation Building, Vanivihar Chowk, Janpath, Bhubaneswar-751022.
17. Executive Director (Commercial), Damodar Valley Corporation, DVC Tower, VIP Road, Kolkata-700054.
18. Regional Executive Director (ER-I), NTPC Ltd., 2nd floor, Lok Nayak Jai Prakash Bhawan, Dak Bunglow Chowk, Patna-800001.
19. Regional Executive Director (ER-II), NTPC Ltd., 3rd Floor, OLIC Building, Plot No.N-17/2, Nayapalli, Bhubaneswar-751012.
20. Executive Director (O&M), NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad-121003.
21. Executive Director (ER-I), PGCIL, Alankar Place, Boring Road, Patna-800001.
22. Executive Director (ER-II), Power Grid Corporation of India Ltd, CF-17, Action Area-I, Newtown, Rajarhat, Near Axis Mall, Kolkata-700091.
23. Executive Director (Marketing), PTC India Ltd., NBCC Tower, 15 Bhikaji Cama Place, New Delhi-110066.
24. General Manager (BD), NTPC Vidyut Vyapar Nigam Limited, SCOPE Complex, Core-3, 7th Floor, Lodhi Road, New Delhi-110003.
25. The Head (Marketing), Tata Power Trading Company Limited, B-12/13, 2nd Floor, Shatabdi Bhavan, Sector-4, Noida-201301, Uttar Pradesh.
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27. Station Head & General Manager (O&M), Maithon Power Ltd., Village-Dambhui, P.O. Barbindia, Dist.- Dhanbad, Jharkhand-828205.
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29. AVP & Head (O&M), GMR Kamalanga Energy Ltd., AT/PO-Kamalanga, PS-Kantabania, Via-Meramundali, Dist.-Dhenkanal, Odisha-759121.
30. Chief Executive Officer, Jindal India Thermal Power Limited, Plot No-12, Sector-B1, Local Shopping Complex, Vasant Kunj, New Delhi-110070.
31. Managing Director, Teesta Urja Limited, 2nd Floor, Vijaya Building, 17 Barakhamba Road, New Delhi-110001.