



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
नवीकरणीय ऊर्जा उद्भव विकास प्रभाग
Renewable Energy Source Development Division

No. CEA/Plg/RES-30/2017

Dated: 08-06-2017

Meeting Notice (बैठक की सूचना)

विषय: नवीकरणीय ऊर्जा स्रोतों (आर. ई. एस.) के ग्रिड में एकीकरण की सुविधा के लिए विभिन्न प्रकार के संतुलनकारी ऊर्जा स्रोत / ऊर्जा भंडारण उपकरणों के अनुकूलतम स्थापन के अध्ययन के लिए के. वि. प्रा. द्वारा गठित तकनीकी समिति की **चतुर्थ बैठक नई दिल्ली में.**

Subject: **Fourth Meeting** of the Technical Committee constituted by CEA for study of optimal location of various types of balancing energy sources/energy storage devices to facilitate grid integration of Renewable Energy Sources (RES) and associated issues **to be held in New Delhi on 13-06-2017.** – reg.

महोदय/Sir,

CEA had vide Order No. CEA/Plg/RES-30/2017 dated 30th January, 2017 (Copy enclosed for ready reference) constituted a Technical Committee under the chairmanship of Member (Planning), CEA, for study of optimal location of the various types of balancing energy sources /energy storage devices to facilitate grid integration of Renewable Energy Sources (RES) and associated issues. The First meeting of the Committee was held on 23rd February, 2017 at CEA, New Delhi, followed by a meeting of the Sub-group for the Southern Region on 24th March, 2017 at SRPC, Bengaluru which was followed by second technical Committee meeting in Chennai for the Southern Region States on 09.05.2017. Third Technical Committee meeting in respect of the States of the Western Region was held at Vadodara on 05-06-2017.

The Fourth Meeting of the Technical Committee, specifically concerning the **States of Northern Region** will be held on **13th June, 2017 (Tuesday) at 10.30 A.M.** at Northern Regional Power Committee, 18-A, Qutab Institutional Area, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi-110 016. Tel: 011-26511211 (Member Secretary, NRPC Office), 011-26868681(EPABX). However, the States of other regions are also encouraged to attend the meeting.

The Proposed Agenda Items are as under:

- 1) The constituents of **Northern Region** in the Committee **may make a presentation** on adverse effects of variability of Wind and Solar generation and how they tackle the same at present. They may also give an assessment of loss of generation and of revenue, because of backing down of cheaper sources of conventional generation and losses due to Deviation Settlement Mechanism (DSM), purely on account of variability of renewable generation. Month wise data for 2016-17 and **related details** may be given to support the same.
- 2) Whether any **constraints** on transmission or distribution (T&D) system have been faced? If so, necessary augmentation of T&D infrastructure which needs to be undertaken - **scope and financial estimates for the same**, if any, may be given.
- 3) To propose utilization of State's own balancing plants, wherever feasible.
- 4) An assessment of the quantum of electric storage system for balancing, which could be placed near the Renewable Energy (RE) generation sources.
- 5) Details of issues in the Grid Integration of Renewable Energy Generation Sources (RES) in **Northern Region** and the possible solutions.
- 6) Status of **Telemetry and Communication** system for Renewable Energy (RE) generators to SLDCs and data received through the same in a satisfactory manner on regular basis.
- 7) Status of establishment of Renewable Energy Management Centre (REMC) in the state and its linking to SLDC.
- 8) Any other item with the permission of the Chair.

It is requested that the nominated members of the Committee may please make it convenient to attend the above meeting. It is further requested that the concerned States from the **Northern Region may list out the issues, and prepare power point presentation (PPT) for deliberation in the said meeting and e-mail the same to the undersigned so that the same can be circulated before the meeting for a comprehensive discussion.**

Secretary of the Appropriate Commissions and of respective SERCs of the concerned constituents of the Northern Region States are requested to depute a senior officer from the Electricity Regulatory Commission to attend the meeting.

CMDs of M/s THDC, BBMB and SJVN Limited are requested to depute the concerned Officer from their respective Organisations, as special invitees to share their experience and make presentation to the Committee on proposed method of utilization of their Hydro Plants as a balancing source(s) for Renewable Energy (RE) integration.

Kindly confirm your participation. कृपया मीटिंग में भागीदारी सुनिश्चित करें.

भवदीय/ Yours faithfully

अशोक

अशोक कुमार राजपूत/(A. K. Rajput)

Chief Engineer(RES Dev.)

Convener and Member Secretary

Email: ceaopmwind@gmail.com

Phone: 011-26714324 /26732257 (M) – 9868202176

To: As per list – Members of the Technical Committee.

1. Secretary, Central Electricity Regulatory Commission (CERC), Chanderlok Bldg., 3rd & 4th Floors, West Wing, 36, Janpath, New Delhi – 110 001 (Phone: 011-23753915), Fax No.011-23753923 – with a request to depute the concerned officer to attend the meeting as scheduled.
2. Member secretary (NRPC) with a request to attend, make a presentation and to provide the logistics for the meeting.

Copy for kind information to:

- 1) PPS to Secretary (Power), New Delhi
- 2) PPS to Secretary (MNRE), New Delhi
- 3) SA to Chairperson, CEA
- 4) PPS to Member (Planning), CEA

List of Addresses - Members of the Technical Committee and other concerned

Sl. No.	State/Utility	Name of the Nominated Officer	Designation, Address & Contact details	Mobile No.
1.	Karnataka	Sh. Hanumantharayappa	Chief Engineer, Elecyc, (Planning & Co- ordination),Karnataka Power Transmission Corporation Ltd. (KPTCL), Room No.209, 2 nd Floor, Kaveri Bhavan, Bengaluru-560009. Email: ceepnc@gmail.com , Fax.No.080-22292204. Ph.: 080-22210416	9448363092
2.	Telangana	Sh. P. Suresh Babu	Chief Engineer, SLDC & Telecom, Room No:611, A Block , TSTRANSCO, Vidyut Soudha, Khairatabad, Hyderabad- 500 082. Email : cesldctelangana@gmail.com , Ph. : 040-23317645	9440679432
3.	Gujarat	Sh. B.B. Mehta	Chief Engineer ,State Load Despatch Centre, Gujarat Energy Transmission Corporation Limited, 132 kV Gotri Sub Station Compound, Near T.B. Hospital, Gotri Road, Vadodara – 390 021 Email : celd@gebmail.com , Tel.No.0265-2353171	9879200736
4.	Andhra Pradesh	Sh. A K V Bhaskar.	SE, State Load Dispatch Centre, A. P. TRANSCO, Hyderabad Email: akvbhaskar@gmail.com , Ph:040-66175195 Fax: 040-66175194	9490153116
5.	Madhya Pradesh	Sh. P.A. R. Bende	CHIEF ENGINEER (LD) STATE LOAD DESPATCH CENTRE, OFFICE OF MPPTCL, NAYAGAON, RAMPUR, JABALPUR – 482 008 (M.P.) (0761)2970089 Fax: (0761) 2664343/2970119 sldcmpjbp@gmail.com , parbende@gmail.com ,	9425805264
6.	Rajasthan	Sh. A.K. Sharma	Addl. Chief Engineer (LD), Rajasthan Rajya Vidyut Prasaran Nigam Ltd., Heerapura GSS, Ajmer Road, Jaipur Email: ce.ld@rvpn.co.in , aks40aks@gmail.com , Tel. No. 0141-2251601	9414061519

7.	Maharashtra	Dr. S.S. Kulkarni	Chief Engineer (SLDC), Maharashtra State Electricity Transmission Co. Ltd., Mumbai Email: cesldc@mahasldc.in, Tel. No. 022-27601931	9819363329
8.	Tamil Nadu	Er. A. Axilium Jayamary,	Director /Operation, TANTRANSCO directoropn@tnebnet.org ,	044- 28521088
		Sh. P.R. Muralidharan	Superintending Engineer, Renewable Energy Management Centre, SLDC, Chennai-260002 Email: seremc@tnebnet.org,	9445377059
		Sh. P. Rajagunanidhi	P.RAJAGUNANIDHI,, Executive Engineer, Grid, SLDC, TANTRANSCO,CHENNAI. eegrid@tnebnet.org , rajagunanidhi@yahoo.co.in , Chennai-260002	9445857186, 04428586433
		Ms. S. Gomathi	Executive Engineer, Renewable Energy Management Centre, SLDC, Chennai Email: aceremc@tnebnet.org,	9444203708
9.	NHPC	Sh. Manoj Kumar	General Manager (BD&JV), NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad- 121003. Email : mkumar@nhpc.nic.in, Ph. : 0129-2278430	7579455850
10.	SECI	Sh. Atulya Kumar Naik	AGM(Power Systems) Email: aknaik@seci.co.in, Fax No.011-71989235 Ph.No. 011-71989214	9717954896
11.	MNRE	Dr P C Maithani, Adviser & Sh. J.K. Jethani, Scientist-I	Ministry of New and Renewable Energy, 14 th Block, CGO Complex, Lodhi Road, New Delhi-110001 pcmaithani@nic.in , jethani.jk@nic.in , Tel./Fax. 011-24368911	9891184867
12.	Power Grid/CTU	Dr. Subir Sen,	COO (CTU-Plg & SG) Power Grid Corporation of India Limited (PGCIL) Saudamini, Plot No.2, Sector 29, Near IFFCO Chowk, Gurgaon (Haryana) - 122001, INDIA Fax 0124-2571990 Tel: 0124-2571700-719 / 011- 26560072 subir@powergridindia.com ,	9650293185

13.	POSOCO	Sh. G Chakraborty	DGM, National Load Despatch Centre (NLDC), B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110016 gchakraborty@posoco.in , c.goutam62@gmail.com ,	9433041815
14.	NTPC	Sh. S.S. Mishra	AGM (PE-Solar), NTPC Limited, EOC, Sector-24, Noida ssmishra@ntpc.co.in ,	9650991145
		Sh. A.K. Sinha	AGM (OS-SIIS), NTPC Limited, Core-7, Scope Complex, Lodhi Road, New Delhi anjansinha01@ntpc.co.in ,	9650992971

Chief Engineers of CEA, {IRP, SP&PA – I &II, HETD, TETD, GM, FM, F&CA}

Co- opted Members from Regional Power Committees and CERC

<p>Representative from CERC C/o Secretary, CERC Central Electricity Regulatory Commission (CERC), Chanderlok Bldg., 3rd & 4th Floors, West Wing, 36, Janpath, New Delhi – 110 001 (Phone: 011-23753915) Fax No.011-23753923 secy@cercind.gov.in, cerc.ra@gmail.com,</p>	<p>Sh S R Bhatt Member Secretary Southern Regional Power Committee, No. 29 Race Course Cross Road Bangalore-560 009 Tel: 080-22269012 Mob.: 09620184649 Fax : 080-22259343/ 22352616 mssrpc@yahoo.com,</p>
<p>Sh M A K P Singh Member Secretary Northern Regional Power Committee 18-A, Qutab Institutional Area, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi-110 016 Tel: 011-26511211 Mob.: 9968667741 PABX No. 26967842/26868681 Fax : 011-26865206 PABX No. 26967842/26868681 #101 Fax : 011-26865206 msnrpc1@yahoo.com, ms-nrpc@nic.in,</p>	<p>Sh P K Mishra Member Secretary North Eastern Regional Power Committee NERPC complex Dong Parmaw, Lapalang Shilling-793006 Meghalaya Ph: 0364-2534039 Fax:0364-2534040 Mob:9436163419 nerpc@ymail.com, b_lyngkhoi@yahoo.com,</p>
<p>Sh A Balan Member Secretary Western Regional Power Committee, F-3, MIDC Area, Marol, Opp. SEEPZ, Central Road, Andheri (East), Mumbai - 400 093 Mob.: 9483540528 Tel: 022-28221636 Epabx: 022-28200194-95-96#210 Fax:022-2837 0193 ms-wrpc@nic.in, ma_balan@hotmail.com,</p>	<p>Shri A.K. Bandopadhyay Member Secretary EASTERN REGIONAL POWER COMMITTEE 14, Golf Club Road, Kolkata -700 033 Tel: 033-24235016 (direct) Mob.: 9433068533 Fax: 033 24221802, 24171358 mserpc-power@nic.in,</p>

Addresses of SERCs/JERC

<p>Secretary Central Electricity Regulatory Commission (CERC), Chanderlok Bldg., 3rd & 4th Floors, West Wing, 36, Janpath, New Delhi – 110 001 (Phone: 011-23753915) Fax No.011-23753923</p>	<p>Secretary, Delhi Electricity Regulatory Commission Viniyamak Bhawan, C-Block, Shivalik, Malviya Nagar, New Delhi 110 017 (Phone: 011-26673617) Fax No. 011-26673605/08/ 26682147 secyderc@nic.in,</p>
<p>Secretary, Himachal Pradesh Electricity Regulatory Commission, Keonthal Commercial Complex, Khaini, Shimla 171 002 Ph: 0177 – 2621003/9418001253/2627162(fax) Purnima_chauhann@hotmail.com,</p>	<p>Secretary, Haryana Electricity Regulatory Commission Bays 33-36, Sector 4, Panchkula 134 109 Ph. 0172-2582531/2572359 (Fax)/2572359 Secretary.herc@chd.nic.in,</p>
<p>Secretary, Joint Regulatory Commission for Goa and all UTs except Delhi (JERC) 2nd Floor, HSIIDC Office Complex, Udyog Vihar, Phase V Gurgaon (Haryana) Fax No.0124-234853 Ph 0124-2343302/9868186975 Sec_jerc@yahoo.com, secretaryjerc@gmail.com,</p>	<p>Secretary, J&K State Electricity Regulatory Commission, Ambedkar (Panama) Chowk Railway Road, Jammu 180 006 (Nov to April) Ph: 0191- 2470160, 2470183 Fax: 0191-2479367, 2470163 jkserc@hotmail.com, jkserc@gmail.com, H. No. 101, Sector-A, Bagh-I-Hyder, (Hyderpora Chowk (near Fly Over Bridge), Srinagar- 190014 (May to October) Ph; 0194-2434582 Fax 0194-2431817 09419916081</p>
<p>Secretary, Punjab State Electricity Regulatory Commission 220-21, Sector 34-A Chandigarh Fax No.0172-2664758</p>	<p>Secretary, Rajasthan Electricity Regulatory Commission Vidhyut Viniyamak Bhawan, Sahakar Marg, Near State Motor Garage, Jaipur. Phone: 0141-2741091/2740067 Fax: 0141- 2741018 recjpr@yahoo.co.in,</p>
<p>Secretary, Uttarakhand Electricity Regulatory Commission Institution Engineers (India) Building, 1st Floor, Near ISBT Majra, Dehradun 248 006 Ph: 0135- 2643944 / 2641314(Fax) secretaryuerc@indiatimes.com,</p>	<p>Secretary, Uttar Pradesh Electricity Regulatory Commission Kisan Madi Bhawan, 2nd Floor Vibhuti Khand, Gomti Nagar Lucknow – 226 010 Fax No.0522- 2720426/9415023365/ Fax- 2720423, secretary@uperc.org,</p>
<p>Joint Chief (Regulatory Affairs), Forum of Regulators (FOR) C/O Central Electricity Regulatory Commission (CERC) 4th Floor, Chanderlok Building 36, Janpath, New Delhi 110 001 Tel: 91-11-23353503 Fax: 91-11-23753923 , dcra@cercind.gov.in,</p>	

Addresses for Special Invitees

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