



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/PIg/RES-30/2017

Dated: 24-05-2017

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 **तृतीय बैठक** – वदोदरा में.

Subject: **Third 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 Vadodara on 05-06-2017.** – reg.

महोदय/Sir,

CEA had vide Order No. CEA/PIg/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.

The Third Meeting of the Technical Committee, specifically concerning the **States of Western Region** will be held on **05th June, 2017 (Monday) at 10.30 A.M. at State Load Despatch Center, 132 KV Gotri Sub Station Compound, Opp. Kalpvruksh Apartment, Gotri Road, Vadodara – 390021.** However, the States of other regions are also encouraged to attend the meeting.

The Proposed Agenda Items are as under:

- (i) The constituents of Western Region to 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, purely on account of variability of renewable generation. Month wise data for 2016-17 and **related details** may be given to support the same.
- (ii) 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.
- (iii) To propose utilization of State's own balancing plants, wherever feasible.
 - (iv) An assessment of the quantum of electric storage system for balancing, which could be placed near the RE generation sources.
 - (v) Details of issues in the Grid Integration of Renewables in Western Region and the possible solutions.
 - (vi) Status of communication system for RE generators to SLDCs and data received through the same in a satisfactory manner.
 - (vii) Status of establishment of Renewable Energy Management Centre (REMC) in the state and its linking to SLDC.
 - (viii) 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 **Western Region** may list out the issues for deliberation in the said Meeting and e-mail the same to the Nodal Officer mentioned below, with a copy to undersigned so that the same can be circulated before the meeting for a comprehensive discussion.

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

The Nodal officer for the above meeting is Shri S. P. Nayak, Divisional Engineer, Mob No. 9925213188/ Sh A. P. Shah, DE, Mob No. 9925212841 of SLDC Gujarat email celd@gegmail.com, sldcregen@gmail.com, (Phone No. 0265-2353171) Fax No.: 0265 2980278, 0265 2356469, 0265 2352019. The participants may coordinate with SLDC Gujarat officials for attending the meeting, with a copy to the undersigned.

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

भवदीय/ Yours faithfully



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.

Copy for kind information to:

- 1) PPS to Secretary (Power), New Delhi
- 2) PPS to Secretary (MNRE), New Delhi
- 3) 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 nominate a member from CERC for co-option in the Committee and to attend the meeting as scheduled.
- 4) SA to Chairperson, CEA
- 5) 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, Elec, (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: c.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@tnebn.org ,	044-28521088

		Sh. P.R. Muralidharan	Superintending Engineer, Renewable Energy Management Centre, SLDC, Chennai-260002 Email: seremc@tnebnnet.org,	9445377059
		Sh. P. Rajagunanidhi	P.RAJAGUNANIDHI,, Executive Engineer, Grid, SLDC, TANTRANSOCO, CHENNAI. eegrid@tnebnnet.org , rajagunanidhi@yahoo.co.in , Chennai-260002	9445857186, 04428586433
		Ms. S. Gomathi	Executive Engineer, Renewable Energy Management Centre, SLDC, Chennai Email: aceremc@tnebnnet.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 Email: pcmaithani@nic.in, Email: jethani.jk@nic.in, Tel./Fax. 011-24368911	9891184867
12.	Power Grid/CTU	Dr. Subir Sen,	COO (CTU-Plg & SG) Email : subir@powergridindia.com,	
13.	POSOCO	Sh. G Chakraborty	DGM, National Load Despatch Centre (NLDC), B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110016 Email: gchakraborty@posoco.in, & c.goutam62@gmail.com,	9433041815
14.	NTPC	Sh. S.S. Mishra	AGM (PE-Solar), NTPC Limited, EOC, Sector-24, Noida E-mail : ssmishra@ntpc.co.in,	9650991145
		Sh. A.K. Sinha	AGM (OS-SIIS), NTPC Limited, Core-7, Scope Complex, Lodhi Road, New Delhi Email : 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 email: 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>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>	<p>Secretary, Gujarat Electricity Regulatory Commission, 6th Floor, GIFT ONE Road 5 C, Zone 5, GIFT City, Gandhinagar – 382355 (Phone: 079 23602000, /9909943568 Fax No.079-23602054/23602055 gerc@gercin.org, chairman@gercin.org,</p>
<p>Secretary, Madhya Pradesh Electricity Regulatory Commission 4th & 5th Floors, Metro Plaza, E-5, Arera Colony, Bittan Market, Bhopal 462 016 Ph: 0755-2464643/9425005834/2430158(fax) Secretary.mperc@gmail.com,</p>	<p>Secretary, Maharashtra Electricity Regulatory Commission 13th Floor, World Trade Centre No. 1 Cuffe Parade Colaba, Mumbai 400 005 Ph.:022-22163975 / 22163976 (Fax) secretary@mercindia.org.in,</p>