

**Central Electricity Authority**  
**System Planning & Project Appraisal Division**  
**Sewa Bhawan, R.K. Puram, New Delhi – 110066.**

**No. 51/4/SP&PA-2008/**

**Date: June 06, 2008**

**To**

1.The Member Secretary, Southern Regional Power Committee, 29, Race Course Cross Road, <b>Bangalore 560 009.</b> <b>FAX : 080-22259343</b>	2.The Director (Projects), Power Grid Corp. of India Ltd. “Saudamini”, Plot No.2, Sector-29, <b>Gurgaon 122 001, Haryana.</b> <b>FAX : 95124-2571932</b>
3.The Director (Transmission), Transmission Corp. of Andhra Pradesh Ltd., Vidyut Soudha, <b>Hyderabad – 500 082.</b> <b>FAX : 040-66665137</b>	4.The Director (Transmission), Karnataka State Power Transmission Corp.Ltd., Cauvery Bhawan, <b>Bangalore 560 009.</b> <b>FAX : 080 -22228367</b>
5.The Member (Transmission), Kerala State Electricity Board, Vidyuthi Bhawanam, Pattom, P.B. No. 1028, <b>Thiruvananthapuram - 695 004.</b> <b>FAX : 0471-2444738</b>	6. Member (Distribution), Tamil Nadu electricity Board (TNEB), 6 <sup>th</sup> Floor, Eastern Wing, 800 Anna Salai, <b>Chennai - 600002.</b> <b>FAX : 044-28516362</b>
7.The Director (Power), Corporate Office, Block – I, Neyveli Lignite Corp. Ltd., <b>Neyveli , Tamil Nadu – 607 801.</b> <b>FAX : 04142-252650</b>	8.The Superintending Engineer –I, First Floor, Electricity Department, Gingy Salai, <b>Puducherry – 605 001.</b> <b>FAX : 0413-2334277/2331556</b>
9. Director (Projects), National Thermal Power Corp. Ltd. (NTPC), NTPC Bhawan, Core-7, Scope Complex, Lodhi Road, <b>New Delhi-110003.</b> <b>FAX-011-24360912</b>	10. Director (Operations), NPCIL, 12 <sup>th</sup> Floor, Vikram Sarabhai Bhawan, Anushakti Nagar, <b>Mumbai – 400 094.</b> <b>FAX : 022- 25991258</b>

**Sub: 26<sup>th</sup> meeting** of the Standing Committee on Power System Planning of Southern Region  
- Additional Agenda, Contact Person and Venue of the meeting.

**Sir,**

**26<sup>th</sup> meeting** of the Standing Committee on Power System Planning of Southern Region has been scheduled **to be held at 1100 Hrs on 13<sup>th</sup> June 2008 at ITC Hotel Kakatiya, Begumpet, Hyderabad.** Agenda note of the meeting was sent by our earlier letter dated 22-05-2008.

Details of contact person of NTPC in Hyderabad and place of meeting are given at Annex-I.

**Additional Agenda for the meeting is given at Annex-II.**

Yours faithfully,

(Pardeep Jindal)  
Director (I/c) (SP&PA-III)  
(Telephone No. 011 26732325)



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**Additional Agenda Note for 26<sup>th</sup> Meeting of  
Standing Committee on Power System Planning in Southern Region (SCPSPSR)**

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**A.0 Transmission System for Evacuation of Power from Generation Projects in North Chennai /Chennai area in Tamil Nadu**

Further to the discussions in the 25<sup>th</sup> meeting of the Standing Committee on Power System Planning of Southern Region held on March 28, 2008 at Hyderabad, system studies were carried out in CEA during 27-29 May 2008 with participation of officers from CEA, POWERGRID and TNEB, for evolving transmission system for evacuation of power from following generation projects:

- Vallur JV TPS(3x500 MW) of NTECL (JV of NTPC and TNEB)
- North Chennai Stage-II (1x600 MW) of TNEB, and
- Ennore Expansion (1x600 MW) of TNEB.

**The transmission systems that have emerged from these joint studies are given below:**

**A.I. Transmission System for Vallur JV TPS (3x500 MW)**

For evacuation of power from Vallur TPS of M/s NTPC Tamilnadu Energy Company Ltd(NTECL), LILO of Alamathy- Sriperumbudur 400kV D/C line at Vallur TPS was planned. This system requires four number of 400kV circuits to be taken out from the generation switchyard. The capacity of Vallur TPS has now been increased to 3x500 MW and the of transmission system with increased generation capacity is required to be evolved. PGCIL have informed that due to ROW problem in execution of LILO of Sriperumbudur – Alamathy 400 kV D/C at the proposed Vallur JV project, the four number of 400kV circuits emanating from Vallur would be built on multi-circuit towers from Vallur JV project up to LILO point of Sriperumbudur – Alamathy D/C line. Considering ROW constraint, studies were revised and following transmission system have been evolved:

1. LILO of one of the circuits of Sriperumbudur – Alamathy 400 kV D/C line at Vallur JV TPS (instead of LILO of both the circuits of Sriperumbudur – Alamathi D/C as earlier planned)
2. Termination of other two 400kV circuits from Vallur JV TPS in such a way that one circuit will be terminated at Sunguvarchatram (TN) and other circuit will be connected to Melakottaiyur (Kalivanthapattu) 400 kV S/S of PGCIL by utilizing the LILO segment of Kolar – Melakottaiyur – Sunguvarchatram - Sriperumbudur 400 kV S/C line. With this arrangement the Kolar – Sriperumbudur 400kV S/C link will be restored as direct line between Kolar and Sriperumbudur.

(Refer Exhibit-I, and Exhibit-II for load flow cases corresponding to - with wind and without wind generation scenarios in Tamil Nadu. Under with wind generation scenario, a wind dispatch of about 2000 MW is considered with corresponding increase in load.)

**A.2 Transmission System for North Chennai Stage-II TPS (1x600 MW)**

Following transmission system has emerged from the studies (refer Exhibit-I, and Exhibit-II for load flow with wind and without wind generation in Tamil Nadu):

1. LILO of one circuit of Sriperumbudur – Alamathy 400 kV D/C line at NCTPS Stage-II  
(This LILO would be on the second circuit of Sriperumbudur – Alamathy 400 kV D/C line. The first circuit would have LILO at Vallur TPS, as explained above)

### **A.3 Transmission System for Ennore Expansion TPS (1x600 MW)**

The Ennore Expansion TPS may be stepped up to 230kV level and evacuated by following system upto Manali 230kV S/S of TNEB:

1. Ennore Expansion – Manali 230kV 2xD/C lines built for higher temperature (could be built using multi-circuit towers if there is a ROW constraint). The power could be dispersed at Manali and Chennai metro area. TNEB shall design an evacuation system at 230 kV level with high temperature conductor.

### **A.4** Members may discuss and finalize the above transmission systems.

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**Central Electricity Authority**  
**System Planning & Project Appraisal Division**  
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**No. 51/4/SP&PA-2008/**

**Date: May 28, 2008**

**To**

1.The Member Secretary, Southern Regional Power Committee, 29, Race Course Cross Road, <b>Bangalore 560 009.</b> <b>FAX : 080-22259343</b>	2.The Director (Projects), Power Grid Corp. of India Ltd. “Saudamini”, Plot No.2, Sector-29, <b>Gurgaon 122 001, Haryana.</b> <b>FAX : 95124-2571932</b>
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**Sub: 26<sup>th</sup> meeting** of the Standing Committee on Power System Planning of Southern Region  
- Notice for the meeting.

**Sir,**

**26<sup>th</sup> meeting** of the Standing Committee on Power System Planning of Southern Region has been scheduled to be held at 1100 Hrs on 13<sup>th</sup> June 2008 in Hyderabad. Agenda note of the meeting has been sent by our earlier letter dated 22-05-2008.

Exact venue/place of meeting and the contact person in Hyderabad would be informed by NTPC.

Yours faithfully,

(A.K Asthana)  
Chief Engineer, SP&PA  
(Tel. No. 011 26732305)  
Tel./FAX 011 26102045)