

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

No. 51/4/SP&PA-2008/ 176-185

Date: March 26, 2008

To

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

Sub: 25th meeting of the Standing Committee on Power System Planning of Southern Region
- Supplementary Agenda Items .

Sir,

25th meeting of the Standing Committee on Power System Planning of Southern Region is scheduled to be held on March 28th 2008 (Friday) at 10 00 Hrs. at Hotel Marriott, Hyderabad. Agenda note of the meeting has already been sent.

Supplementary agenda items, regarding transmission proposals of Kerala are enclosed.

Yours faithfully,

Encl: As above

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

25th Meeting of the SCPSP SR - Supplementary Agenda

A. Transmission System for Strengthening the Regional Grid for increasing transmission capacity for supply of additional inter-state power to Kerala

A.1 KSEB have sent following transmission proposals to be taken up as regional schemes in Southern Region:

Proposal # 1:

- i) LILO of Udumalpet-Madakathara 400kV D/C line at Chulliar (Palakkad)
- ii) Chulliar (Palakkad) 400/220kV substation, 2x315MVA transformer

KSEB have proposed that these transmission works may be taken up as evacuation scheme of Neyveli-II Expansion project. KSEB have also informed that the load at Thiruvantapuram can be met by the 2x315MVA transformers at Thiruvantapuram and therefore, the 3rd transformer at Thiruvantapuram, which is being temporarily shifted to Madakathara on loan basis, could be finally installed at Chulliar (Palakkad). With this new 400kV substation at Chulliar, the loading at the transformers at Madakathara would get reduced.

Proposal # 2:

- i) Madakathara - Areakode 400kV D/C line

KSEB have proposed that this transmission system may be taken up as System Strengthening Scheme in Southern Region.

A.2 **Proposal#1:**The above proposals have been examined and it is felt that the transmission system of Neyveli-II Expansion has already been firmed up and is under implementation stage and therefore, the Proposal#1 would not be feasible to be included in the ATS for Neyveli-II Expansion as on today. However, for supply of additional inter-state power to Kerala from Simhadri-II and Vallur TPS and as requirement of system strengthening of Southern Region grid, the transmission system at Proposal#1 above may be taken up System Strengthening Scheme in Southern Region with 2x315 MVA transformers at Chulliar as regional project. Members may discuss and concur.

A.3 **Proposal#2:**The requirement of Madakathara - Areakode 400kV D/C line does not appear to be justified based on power flow conditions and may be taken up while firming up the transmission system for Kayamkulam-II generation project. Members may discuss.

B. Power evacuation from Nagarjuna Power Corporation -NPCL - Areakode 400kV DC line, and 400/220kV substation at Mylatty

B.1 KSEB has stated that the generation capacity at Nagarjuna PCL is being increased by 600 MW and that they are in the process of entering into a contract with NPCL for purchase of up to 200MW of power from this project. KSEB has proposed following transmission schemes as part of evacuation system for Nagarjuna

Power Corporation (NPCL generation project in Karnataka) / as system strengthening schemes in Southern Region:

- i) NPCL-Areakode 400kV D/C line.
- ii) LILO of NPCL Areakode D/C line at Mylatty.
- iii) Mylatty 400/220 kV substation.

B.2 The above proposal have been examined and it is felt that these schemes may be considered after confirmation of additional generation capacity at NPCL and its beneficiaries. Members may discuss.
