

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

No. 51/4/SP&PA-2009/ 812 - 821

Date: August 20, 2009

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: 29th meeting of the Standing Committee on Power System Planning of Southern Region
- Agenda Note and notice for the meeting.

Sir,

The **29th meeting** of the Standing Committee on Power System Planning of Southern Region would be held on **27th August 2009 (Thursday)** at 10:00 AM in Hyderabad. Venue of the meeting would be conveyed separately.

Agenda note for the meeting is available at CEA’s website, **www.cea.nic.in**.

Please make it convenient to attend the meeting.

Yours faithfully,

(Ravinder)
Chief Engineer (SP&PA)
(Telephone/FAX No. 011 26102045)

Contact Person and Meeting Venue Details

29th Meeting of Standing Committee on Power System Planning in Southern Region (SCPSPSR)

Meeting Time: 10:00 AM. Date: August 27, 2009 (Thursday)

The meeting arrangements are being made by POWERGRID.

Venue:

**Hotel - TAJ KRISHNA
Road no. 1, Banjara Hills,
Hyderabad-500034**

Phone no :91-40-66293508

Contact person (Hotel)- Tanay Baxi , Asst.mgr –sales , 09295028199. Hyderabad

Contact Person:

- **Arrangement coordinator SRTS-1, POWERGRID, Secundrabad**
 1. **S.Ravi DGM-OS
09440908902, 040-27803566 (phone cum fax)**
 2. **D.R.Murty Manager –HR
09490611077, 040-27803231, fax-040-27808481**

**Agenda Note for 29th Meeting of
Standing Committee on Power System Planning in Southern Region (SCPSPSR)**

Time: 10:00 AM. Date: August 27, 2009 (Thursday)

Venue: ..., Hyderabad

1.0 Confirmation of the minutes of 28th meeting of the Standing Committee

- 1.1 Minutes of 28th meeting of the Standing Committee on Power System Planning of Southern Region, held on 15th June 2009 at Koorg, were issued vide CEA's letter number 51/4/SP&PA-2009/ 629-638 dated July 15, 2009.
- 1.2 There has been no observations/comments on the circulated minutes. The Minutes as circulated may be confirmed.

2.0 Status of Under Construction / Approved Schemes:

- 2.1 POWERGRID may inform the progress of the transmission works that are being implemented by them as part of regional schemes.
- 2.2 State utilities may also inform the progress on their transmission works that are necessary to match with the regional schemes by POWERGRID for effective utilization of the system.
- 2.3 APTRANSCO may inform status of their preparedness for transmission requirements for Bhoopalpally and Vijayawada Stage-IV projects.
- 2.4 KPTCL may inform status of the Nagarjuna TPS(UPCL)-Hassan 400kV D/C line and transmission system for Yeramas and Edlapur generating station.
- 2.5 TNEB may inform about status of transmission system for NCTPS Stage-II and Mettur TPS Ext projects.

3.0 Madhugiri – Yelahanka 400kV D/C Quad transmission line:

- 3.1 The Madhugiri – Yelahanka 400kV D/C quad line was agreed in the last meeting of SCPSPSR held on 30-03-2009 as regional transmission system. Implementation of this line, however, could not be agreed in the 10th meeting of SRPC held on 02nd July 2009. This transmission line was evolved for transmitting Karnataka share from new IPP projects being put up in Andhra Pradesh through Gooty-Madhugiri 400kV line and for providing transmission system for evacuation of power from the Torangallu TPS, which had sought LTOA for transmitting their power in Southern region through Torangallu-Gooty 400kV line. Further, this line would also enable Karnataka to draw its share of power under outage of HVDC Talcher-Kolar Bipole and/or GRM operation under single pole contingency.

3.2 Members may discuss and agree for taking up the Madhugiri-Yelahanka 400kV D/C quad line as a regional project.

4.0 The Hosur – Electronic City 400kV D/C line:

The Hosur – Electronic City 400kV D/C line was agreed in the past meeting of this Standing Committee. It was proposed that this line could be built using Right of Way of the existing Peenya-Singarapet 220kV line (presently Yerandahally-Hosur line). This RoW could be used for building multi-circuit towers and/or dismantling part of the line depending upon practicability. PGCIL, was to examine feasibility of using RoW of existing 220kV circuit for implementation of this line with help provided by TNEB and KPTCL. PGCIL may inform status/feasibility of the line. Members may discuss.

5.0 TNEB – Strengthening connectivity of SV Chatram 400kV S/S of TNEB:

5.1 TNEB have informed that they were in the process of acquiring more land for accommodating two more 400kV bays at their SVChatram 400kV S/S. Studies were carried out (Load flow results are given at Exhibit-1 & 2) for connecting SVChatram through LILO of Kolar-SPBudur 400kV S/C line (Alt-I) or through LILO of Neyveli(now via Puducherry)-SPBudur 400kV S/C line(Alt-II). These transmission works would be implemented by TNEB as State sector scheme. From system study considerations, both the alternatives are viable, TNEB may inform their preference on practical/suitability considerations. Members may discuss and agree to TNEB's proposal.

6.0 Transmission system for evacuation of power from Mettur TPS Stage-III(1x500 MW) project:

6.1 TNEB has proposed following transmission system for evacuation of power from Mettur TPS Stage-III(1x500 MW):

1. Mettur TPS - Arasur 400 kV D/C line
2. Mettur TPS - Singarapet 400 kV D/C line
3. Establishment of 400/230 kV S/S with 2x315 MVA ICT at Mettur TPS S/S and associate 230 kV link lines.

6.2 The above system was evolved through joint studies carried out in CEA with TNEB and was also confirmed by PGCIL. The evolved system was placed in the Agenda for discussion in the 25th meeting of SCPSPSR but a final decision in this regard could not be taken. The proposed transmission system would be implemented by TNEB as State sector scheme. Members may discuss and agree for the proposed transmission scheme.

7.0 Transmission system for evacuation of power from wind projects in Tirunelveli/Kayathar area in Tamil Nadu:

7.1 TNEB has proposed following transmission system for evacuation of power from wind projects in Tirunelveli/Kayathar area in Tamil Nadu:

1. Kanarapty (TN Wind) - Kayathar 400 KV, 400 kV D/C line.
2. Kayathar - Karaikudi , 400 kV D/C Quad line
3. Karaikudi - Pugalur 400 kV D/C Quad line
4. Establishment of 400/230-110 kV S/S with 2x315 MVA 400/230 kV ICT, and 2x200 MVA 400/110 kV ICT at Kayathar and associate 230 KV and 110 KV link lines.
5. Pugalur – Sholinganallur (Ottiampakkam), 400 kV D/C Quad line.

7.2 The above system was evolved through joint studies carried out in CEA with TNEB and was also confirmed by PGCIL. The evolved system was placed in the Agenda for discussion in the 25th meeting of SCPSR but a final decision in this regard could not be taken. The proposed transmission system would be implemented by TNEB as State sector scheme. Members may discuss and agree for the remaining proposed transmission works of TNEB.

8.0 Sholinganallur (Ottiampakkam) – Kalivanthapattu(Melakottaiyur) 400kV D/C line

The Sholinganallur 400/230kv s/s of TNEB alongwith Sholinganallur (Ottiampakkam) – Kalivanthapattu(Melakottaiyur) 400kV D/C line and associated 230kV interconnection was agreed in the 23rd meeting of SCPSR.

9.0 Transmission system for evacuation of power from Udangudi TPS (2x800 MW) project:

9.1 TNEB has proposed following transmission system for evacuation of power from Udangudi TPS (2x800 MW):

1. Udangudi TPS - Karaikudi 400 kV D/C Quad line
2. Udangudi TPS - Kayathar 400 kV D/C Quad line .

9.2 TNEB have informed that they were not pursuing implementation of the Tuticorin TPS Stage-IV (2x500 MW) project, as the mandatory clearances for this project could not be obtained. Therefore, the associated transmission lines, i.e Tuticorin TPS - Karaikudi 400 kV D/C Quad line and the Tuticorin TPS - Kayathar 400 kV D/C Quad line, are also not required to be implemented.

9.3 Studies were carried out for evolving transmission system for evacuation of power from the Udangudi TPS considering the same corridor as for the Tuticorin Stage-IV project. The studies were carried out for full wind and reduced wind generation scenarios. Load flow results are given at Exhibit-3&4. The proposed transmission system would be implemented by TNEB as State sector scheme. Members may discuss and agree for the proposed transmission scheme.

10.0 Any other issue with the permission of Chairman.

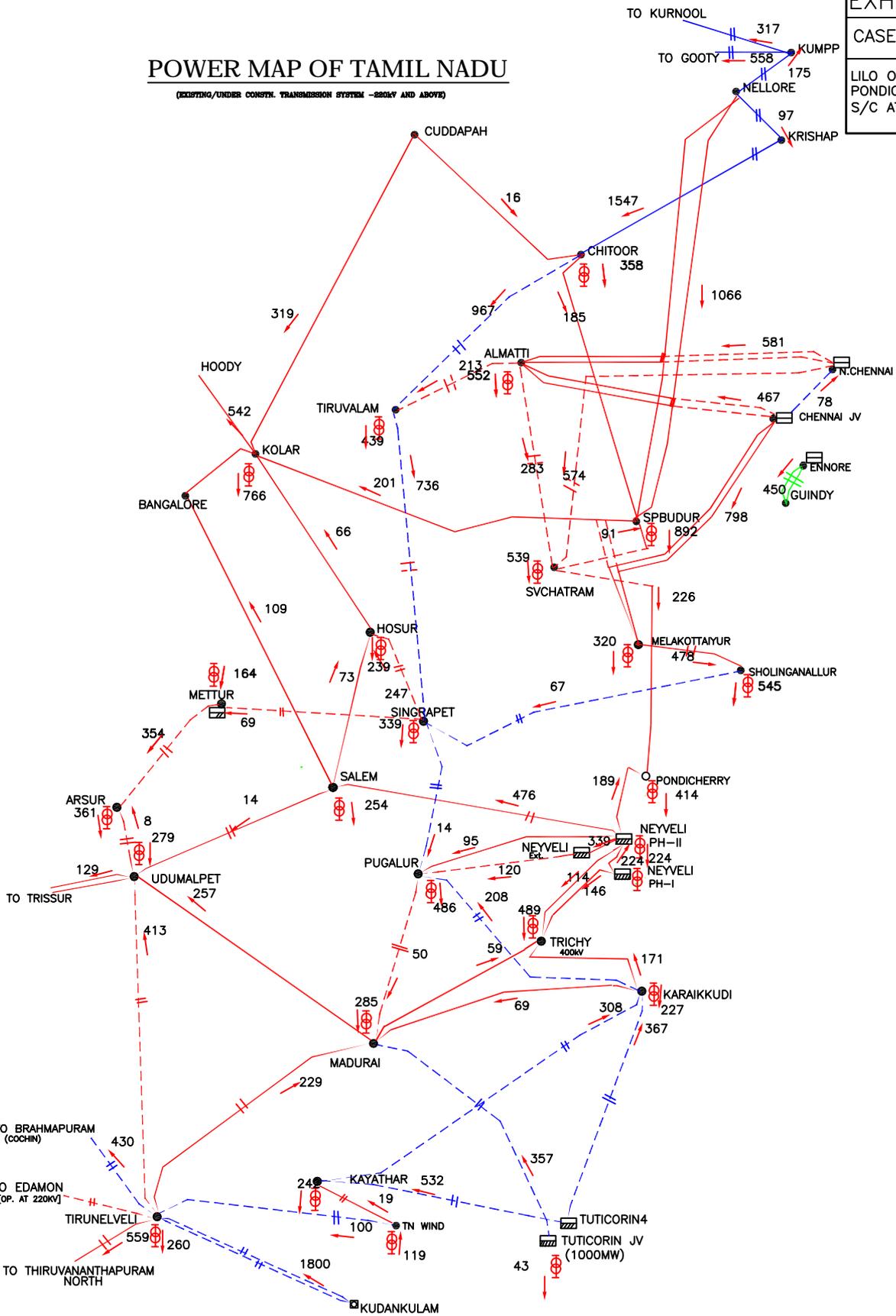
11.0 LTOA Applications Made to CTU for Projects in Southern Region:

POWERGRID may take up the agenda points related to the transmission system requirements for evacuation of power from generation projects.

POWER MAP OF TAMIL NADU

(EXISTING/UNDER CONSTN. TRANSMISSION SYSTEM - 220KV AND ABOVE)

EXHIBIT - 1
 CASE: ALT-I
 LILO OF
 PONDICHERRY-SPBUDUR
 S/C AT SVCHATRAM



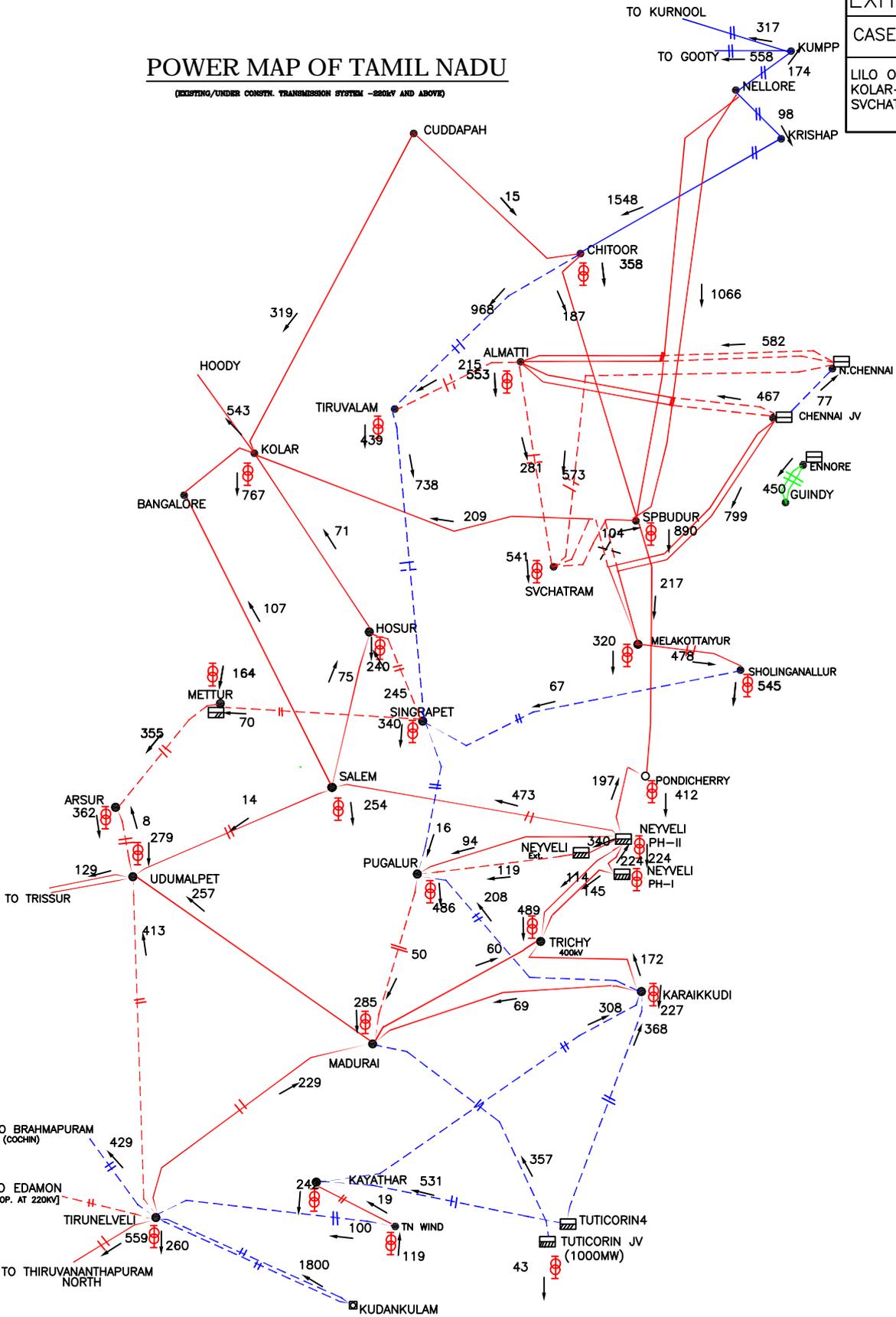
July,07



POWER MAP OF TAMIL NADU

(EXISTING/UNDER CONSTN. TRANSMISSION SYSTEM - 220KV AND ABOVE)

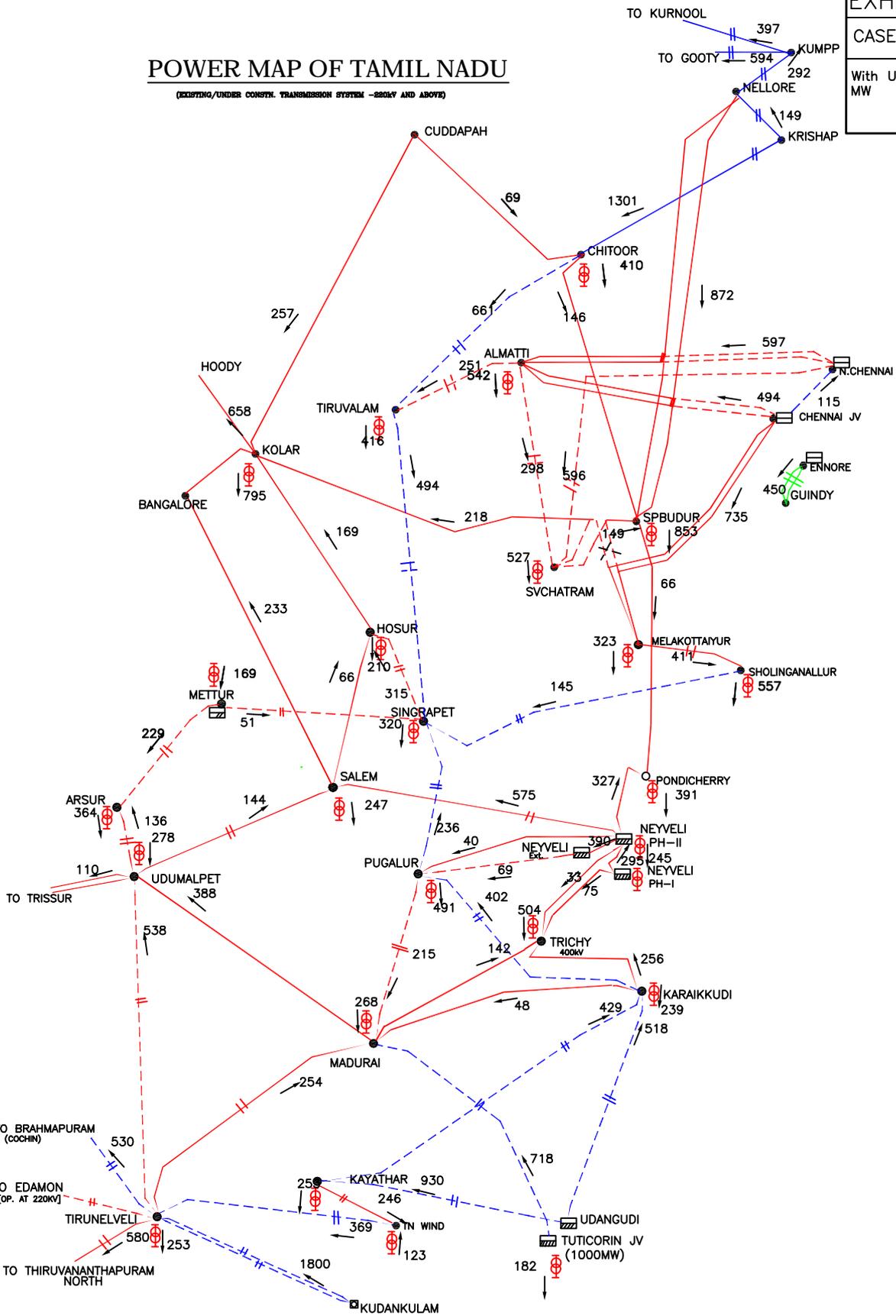
EXHIBIT - 2
CASE:AIT-2
LILO OF KOLAR-SPBUDUR AT SVCHATRAM



POWER MAP OF TAMIL NADU

(EXISTING/UNDER CONSTN. TRANSMISSION SYSTEM - 220KV AND ABOVE)

EXHIBIT - 3
CASE:Alt-3
With Udangudi 2x800 MW



July,07



