भारत सरकार
GOVERNMENT OF INDIA
विद्युत मंत्रालय
MINISTRY OF POWER
केन्द्रीय विद्युत प्राधिकरण
CENTRAL ELECTRICITY AUTHORITY
सेवा भवन, रामाकृष्णापुरम
चज़ए ल्व्एज़्एग, ड.ख़् छ्ठडएग
नई दिल्ली ह्व 110 066
फ़ज़ ग्रख्ख्ख़ ह्व 110066

(आई एस ओ : 9001-2008)

No.CEA/PLG/DMLF/2/18th EPS/2010/633-700 **Dated: 13.04.2011**

All Members of 18th Electric Power Survey Committee

Subject : Minutes of meeting of 2nd meeting of 18th Electric Power Survey Committee (EPSC) held at CBIP, Conference Hall on 29th March, 2011.

Sir/Madam,

The Minutes of Meeting of 2nd meeting of 18th EPSC held on 29th March,, 2011 are enclosed herewith for information & necessary action.

Yours faithfully,

Encl: As above

(Major Singh)
Chief Engineer (DMLF) &
Member Secretary (18th EPSC)
Telefax No. 011-26105546
Mb.No.9868818190
e-mail: cedmlfcea@indiatimes.com

Copy for kind information to:

1. Member (E&C), CEA
2. Chief Engineer (GM), CEA
3. Chief Engineer (IRP), CEA
4. Economic Adviser, E&C Wing, CEA
5. Director (PP), Ministry of Power, Sharam Shakti Bhawan, Rafi Marg, N.Delhi
6. Shri V.K. Kanjlia, Secretary, CBIP, Malcha Marg, New Delhi
7. Chief Engineer (IT), CEA – It is requested that the MoM may please be got uploaded on CEA website.

Copy for information and necessary action forwarded to:

1. Deputy Director, RPSO (South**),** Letter Box No.38, 6th Floor, 'F' Wing, Kendriya Sadan, Koramangala, Bangluru-560034, Fax:080-25522353. Email: rpsoscea@kar.nic.in

2. Deputy Director,RPSO (EAST) 201, CGO Compex, 'A' Wing, DF Block, Sector-1, Salt Lake City, Kolkata-700064. Fax033-23217075. Email: ceapser@cal3.vsnl.net.in

3. Deputy Director, RPSO (WEST) WRPC Building, 5th Floor, Plot No.F-3, MIDC Aua Marol, Andheri (East), Mumbai-4000093. Fax: 022-28392399. Email: rpso-west-mop@nic.in

4. Deputy Director, RPSO (North) 14A, Shaheedjit SinghMarg, Katwaria Sarai, New Delhi-16. Fax No. 26510158. Email: rpsonorth@yahoo.com

(Major Singh)
Chief Engineer (DMLF) &
Member Secretary (18th EPSC)

Composition of 18th Electric Power Survey Committee (EPSC)

NORTHERN REGION;

1. **Chairperson &**
   Ex Officio Secy. to Govt. of India
   Central Electricity Authority
   New Delhi

2 **Member (Planning) &**
   Ex Officio Addl. Secy. to Govt. of India
   Central Electricity Authority
   New Delhi

3 **Principal Adviser (Power)**
   Planning Commission
   Yojana Bhawan
   Parliament Street, New Delhi
   Tel.No.23096579 (O)
   Fax No. 23096579
   Email: uma-pc@nic.in

4 **Director General,**
   Bureau of Energy Efficiency,
   Sewa Bhawan, R.K. Puram,
   New Delhi - 110066
   Tel.No.26178316 (O)
   Fax No.26178328
   Email: dg-bee@nic.in

5 **Adviser (Perspective Planning)**
   Planning Commission)
   Yojana Bhawan
   Parliament Street
   New Delhi
   Tel.No.23096763 (O)
   Fax No. 23096763
   Email: bdvirdi@nic.in

6 **Adviser Electrical (RE)**
   Railway Board
   Rail Bhawan
   New Delhi.
   Tel.No.23383343(O)
   Fax No. 23303796
   psadvers@rb.railnet.gov.in

7 **Joint Secretary,**
   Department of Industrial Policy & promotion
   Ministry of Commerce & Industry
   Udhyog Bhawan, New Delhi
   Tel.No.23062983(O)
   Fax. 23061034

8 **Adviser, Projects**
Ministry of Coal
Shastri Bhawan
New Delhi
Tel.No.23386347 (O)
Fax No. 23387738
Email; advp.moc@nic.in

9 **Joint Secretary (PP)**
Ministry of Power
Shram Shakti Bhawan
Rafi Marg
New Delhi
Ph.011-2371-0389
Email: sudhir.k@nic.in

10 **Commissioner (B&B)**
Ministry of Water Resources
Shram Shakti Bhawan
Rafi Marg, New Delhi
Tel. No.23744852,
Fax No. 23747063
Email: commgwhp-mowr@nic.in

11 **Chairman cum Managing Director**
Power Grid Corporation of India Limited.
Corporate Centre, "Saudamini", Plot No.2,
Sector 29, Gurgaon 122 001 (Haryana)
Tel.. No.0124-2571700
Fax No. 0124-2571760
Email: cmd@powergridindia.com

12 **Chairman cum Managing Director**
NTPC Ltd.
NTPC Bhawan, Core-7, Scope Complex
7 Institutional Area, Lodi Road,
New Delhi 110 003,
Tel.. No.24360044
Fax No. 011-24361018
Email: cmd@ntpc.co.in

13. **Chairman & Managing Director**
Rural Electrification Corporation Ltd.,
Core -4, Scope Complex,
7, Lodhi Road
New Delhi – 110 003.
No.24361562
Fax: 24366948
Email: phatakjm@nic.in

14 **Chairman,**
Himachal Pradesh State Electricity Board Ltd.

Vidyut Bhawan
Shimla 171 004
No.0177-2813563,
0177-2803600
Email: cmd@hpseb.in

15 Chairman & Managing Director,
Punjab State Power Corporation Limited
The Mall,
Patiala 147 001
Email: cmd-pspcl@pspcl.in

16. Chairman-cum-MD,
Delhi Transco Ltd.
Shakti Sadan, Kotla Road, ITO
New Delhi 110 002
No.23215198 (O)
Fax: 23234640
Mb. NO.9971748833
Emal; cmd@delhitransco.gov.in

17 Managing Director
Haryana Vidyut Prasaran Nigam Ltd.
Shakti Bhawan, Sector-6,
Panchkula 134 109
No.0172-2560815
Email:mdhvpnl@yahoo.com

18 Chairman & Managing Director
Uttar Pradesh Power Corporation Ltd.
Shakti Bhawan, 14 Ashok Marg,
Lucknow 226 001
No.0522-2287827,
2237028
Fax No.0522-2287785
Email: c_mdutpcl@sify.com

19 Chairman &Managing Director
Rajasthan Rajya Vidyut Prasaran Nigam Ltd.
Vidyut Bhavan, Jyoti Nagar,
Janpath, JAIPUR 302 005
No. 0141-2740118,
Fax No.0141-2740168, 2740794
Emal: cmd_rvpn@rvpn.co.in

20 Managing Director
Power Transmission Corporation of
Uttrakhand Ltd.(PTCUL)

7-B, Lane No.1, Vasant Vihar Enclave
Dehradun 248 0001
No. 0135-2768895
Fax No.2768867
Email: mdupcl@yahoo.com

21 Principal Secretary to Govt. of J&K
Power Development Department
Civil Secretariat, Jammu (J&K)
0191-2546715, 2520864,
0194-2452236, 2452352
Fax No.0191-2545447,
0194-2452352
Email: cspgdjk@gmail.com , cspgd_jk@nic.in

22 Chief Engineer
Electricity Department
UT of Chandigarh
Secretariat office building Sector 9 D
Chandigarh 160 009

23 Director General,
National Council of Applied
Economic Research (NCAER),
Or his representative
11, Indraprastha Estate
Parisila Bhawan, New Delhi.
Tel. No.23379861
Fax No.2337016
Email: sbery@ncaer.org

24 Shri K. Ramanathan,
Distinguished Fellow,
The Energy Resources Institute (TERI),
New Delhi. Darbari Seth Block, IHC Complex, Lodhi Road
Tel.No.24682100, 41504900
Fax No.24682147.
Email: krnathan@teri.res.in

25 President
Confederation of Indian Industry (CII)
23, Institutional Area, Lodhi Road New Delhi.
Tel. No.24629994
Fax N0.011-2468226
Email: hs.bhartia@cii.in

26. Member Secretary
National Capital Region Planning Board
India Habitat Centre,
Lodhi Road, New Delhi -110 003.
Ph. No.011-24642284, 24642287
Fax No.011-24642285, 24642163
Email: n&orm7@gmail.com

Composition of 18th Electric Power Survey Committee (EPSC)

WESTERN REGION:

1. **Director (Technical)**
   Gujarat Urja Vikas Nigam Limited
   Sardar Patel Vidyut Bhawan,
   Race Course,
   Vadodara – 390 007.
   No.(079) 23250601

2 **Chairman &Managing Director**
   Madhya Pradesh Power Transmission Co.Ltd.
   Shakti Bhawan, Ramput, Jabalpur, M.P. 482 008
   No. 0761-2661234
   Fax: 0761-2664141
   Email:cmd-mpptcl@hotmail.com

3 **Chairman &Managing Director**
   Chhattisgarh State Power Transmission Corp.Ltd..
   P.O.Sunder Nagar, Danganiya,
   Raipur 492 013
   No. 0771-4066900,
   2574000
   Fax No.4028882
   Email: chairman@cseb.gov.in

4. **Managing Director**
   Mharashtra State Electricity Transmission Co.Ltd.
   C-19, E Block, Prakashganga,
   Bandra Kulra Complex
   Bandra (E), Mumbai 400 051
   Tel: 022- 26474644
   Fax: 022- 22619499
   Emal: md@mahadiscom.in

5. **Chief Electrical Engineer**
   Electricity Department
   Vidyut Bhawan, 3rd Floor
   Panaji, Goa 403 001
   Tel: 0832-2224680 / 2227009
   Fax: 0832-2222354, 2426986
   Email: nbraganza04@yahoo.co.in

6 **Executive Engineer**
   Electricity Department, Daman & Diu,
   Power House Building, 2nd Floor,
   Daman 396 210
   Tel: 0260-2255103
   Fax: 0260-2250889
   Email:eddaman@rediffmail.com

7 **Executive Engineer**
Electricity Department,
Dadra & Nagar Haveli (UT)
Silvasa 396 230
Tel: 0260-2642338
Email: eeelect_dnh@yahoo.co.in

8. **Secretary (Power)**
Secretariat Fort Area
Moti Daman, Daman – 396220

9. **Managing Director,**
Tata Power Company Limited,
Bombay House, 24, Homi Mody Street,
Fort, Mumbai – 400 001 (Maharashtra)
Tel. No.66658282
Fax NO.66658801
Emial: dolly@tatapower.com

10 **Vice Chairman,**
Reliance Infrastructure Ltd.,
Reliance Energy Centre, Santa Cruz (East)
Mumbai – 400 055 (Maharashtra)
Tel. No.022-30376522
Fax NO.022-30375577

11 **Vice Chairman**
Torrent (Group) Limited
Ashram Road, Torrent House
Ahmedabad – 380 009 (Gujarat)
Tel. No.079-26587651
Fax NO.079-26580048
Email: sekhar@torrentltd.com

Composition of 18th Electric Power Survey Committee
Southern Region:

1. **Chairman,**
   Kerala State Electricity Board,
   Vydhuthi Bhavanam, Pattom,
   Thiruvananthapuram 695 004
   No. 0471-2442125
   09446008002
   Fax No.2441328
   Email: cmkseb@ksebnet.com

2. **Managing Director**
   APTRANSCO.
   Vidyut Soudha,
   Hyderabad 500 082.
   No. 040-23317657
   Fax No.23320565
   Email: cmdaptransco@rediffmail.com

3 **Managing Director**
   Karnataka Power Transmission Corporation Ltd.,
   Kaveri Bhawan P.B No.9990
   Bangalore 560 009.
   No. 080-22244556
   Fax: 22213526
   Email: mdkptcl@gmail.com

4. **Secretary (Power)**
   Govt. of Puducherry, Beach Road
   Puducherry 605 001
   Tel. No.0413-2334484
   Email: Secywel-pon@nic.in

5. **Chairman,**
   Tamil Nadu Electricity Board
   NPKRR Maligai
   No 800 Anna Salai
   Chennai 600 002
   No. 044-28516362 & 28520131, Fax: 28544528
   Int.com 2221
   Email:chairman@tnebnet.org

6. **The Executive Engineer,**
   Department of Electricity,
   Administration of the Union Territory
   of Lakshadweep,
   Kavaratti
   Tele.04896-262363, 262156, 262127
   FAX: 04896-262936
   e-mail: lk-ktelect@nic.in

Composition of 18th Electric Power Survey Committee (EPSC)

EASTERN REGION;

1. **Chairman,**
   Damodar Valley Corporation
   DVC Towers,
   VIP Road,
   Kolkata – 700054.
   No.033-23557935, 23556965
   Fax No. 033-23552129, 23551252
   Email: devendersingh @nic.in

2. **Chairman,**
   Bihar State Electricity Board
   Vidyut Bhawan, Bailey Road
   Patna 800 021
   No. (0612) 2504036, 2504534,2225036
   Fax No. (0612) 2504557, 2530111, 2504968,2504937
   Email: chairmanbseb@yahoo.co.in

3. **Chairman,**
   Jharkhand State Electricity Board
   Engineering Building, HEC, Dhurwa, Ranchi 834 004
   (0651) 2400807, 2400809
   Fax No. (0651) 2400799
   Email: chairmanjseb@gmail.com , Chairmanjseb@yahoo.co.in,

4 **Managing Director**
   West Bengal State Electricity Transmission Co. Ltd.,
   Vidyut Bhavan, 7th Floor, DJ-Block,
   Sector – II, Salt Lake, Kolkata 700 091
   No.(033), 23591915,23371150
   Fax No (033) 23373002
   Email: malaykumarde@hotmail.con

5 **Managing Director**
   Orissa Power Transmission Corporation Ltd.,
   Janpath, Bhubaneswar 751 022
   No.0674-2540098
   Email: cmd@optcl.co.in

6 **PCE-cum-Secretary**
   Energy & Power Department
   Govt. of Sikkim
   Gangtok 737 101
   No. (03592) 202244
   Fax No. (03592) 202927, 201148
   Email: pwangchen@gmail.com

7 **Secretary (Power)**
A&N Administration Secretariat
Port Blair 744 101.
No. 03192-233113
Fax No. 03192- 233250
Email: achlasingh123@yahoo.com , secytolg@and.nic.in

8 **Executive Director,(Corperate Services & System Operation)**
CESC Limited
CESC House, Chowringhee Square,
Kolkata – 700 001 (West Bengal)
Tel. No.033-22368263 Mob. No.9830052954
Fax NO.037-022259714
Email: utpal.bhattacharya@cesc.co.in

MEMBERS OF 18TH ELECTRIC POWER SURVEY COMMITTEE (NORTH EASTERN REGION)

1. **Chairman & Managing Director,**
   Assam Power Distribution Company Ltd.,
   Bijuli Bhawan, Paltan Bazar,
   Guwahati 781 001
   Ph. No.0361-2739528 (o)
   Fax: 2739527 Mb. No. 9864020693

2. **Secretary (Power)**
   Deptt. of Power
   Govt. of Manipur,
   Imphal 795 001
   No. (0385) 2451562
   Fax No. 0385-2440170
   Email: ce_power@man.nic.in

3. **Chairman,**
   Meghalaya State Electricity Board,
   Lumgingshai, Short Round Road
   Shillong 793 001
   No. (0364) 2590367
   09436104858
   Fax No.0364-2590355
   Email:meseb@shillong.meg

4. **Commissioner & Secretary**
   Deptt. of Power
   Govt. of Nagaland,
   Nagaland Civil,
   Secretariat, Kohima 797 001
   No. (0370) 2270110,2223149
   (Mobile No.09436000299)
   Fax No. 0370-2270110,2240178

5. **Chairman & Managing Director**
   Tripura State Electricity Corporation Ltd.,
   Vidyut Bhawan, North Banamalipur
   Agartala,
   Tripura 799 001
   No.0381-2228001
   Fax: 0381-2319427
   Email: cmd.tsecl@rediffmail.com

6. **Secretary (Power)**
   Deptt. of Power
   Govt. of Arunachal Pradesh
   Itanagar 791 111
   No. Mobile No. of PA 09436044711

7. **Chief Secretary & Secretary (Power)**
Electricity Department
Govt. of Mizoram
New Secretariat Complex,
Aizwal 796 001
No.0389-2322411,2326222
Fax No. (0389) 2322745,2318572
Email: cs_miz@rediffmial.com

Shri Major Singh **Member Secretary**
Chief Engineer (DMLF)
Central Electricity Authority
Sewa Bhawan, R.K. Puram
New Delhi - 110066
Telefax No. 011-26105546
Mobile No.9868818190
e-mail: cedmlfcea@indiatimes.com

MINUTES OF MEETING OF 2ND MEETING OF 18TH ELECTRIC POWER SURVEY COMMITTEE (EPSC) HELD ON 29TH MARCH, 2011

The 2nd meeting of 18th Electric Power Survey Committee (EPSC) was held on 29th March, 2011under the Chairmanship of Shri Gurdial Singh, Chairperson, CEA and Chairman, 18th EPSC. The meeting was attended by members/representatives of 18th EPSC from various Ministries/Departments of Govt. of India, State TRANSCOs/SEBs, Power Departments and other concerned organizations.

The list of the participants is given at **Annex.I**.

Inaugurating the meeting, Chairperson, CEA welcomed all the participants and said that the 18th EPS is to be completed by September, 2011. He mentioned that the results of load forecast provides vital input for power planning and facilitates formulating action plan for meeting power demand and development of infrastructure by various states. He added that the Working Group for 12th Plan has already been constituted under chairmanship of Secretary (Power). Therefore, any delay in completing the forecast of electricity requirements could consequentially delay the finalization of 12th Plan. He informed that the results of 17th EPS were well within the reasonable range and variation in energy requirements as per forecast and actual for previous years were between 2% to 3%. During current year, the gap is likely to be slightly higher in the range of 4 to 5% which is primarily due to capacity addition and good monsoon resulting in lowering the power demand. Regarding the methodology being adopted for EPS, Chairperson mentioned that PEUM technique is well proven method and has been adopted for power surveys in past.

He mentioned that the basic aim of 17th EPS was to fulfill the objectives of National Electricity Policy (NEP) like electricity availability for all households in next five years i.e. by 2012, demand to be fully met by 2012 with spinning reserve of at least 5%, per capita availability of electricity to be increased to over 1000 units by 2012, He said that since these objectives have not yet been met, same objectives would be considered for 18th EPS also. He indicated that in the light of the decisions taken during the brain storming session & Ist meeting of 18th EPS, Econometric Model is to be used for validation of results of forecast conducted by PEUM. He indicated that proposals were sought from various organizations/agencies familiar with the work of electric power

survey for carrying out studies using econometric model, but the response has not been very encouraging.

Chairperson added that CEA had received certain suggestions/views of NGOs viz. Sh. Bharat Jhunjhunwala and Shri Shankar Sharma on the results of forecast of 17th EPS, the approach and methodology for conducting 18th EPS and on other issues. There was also a press news item in the Economic Times regarding 18th EPS being done by CEA. Copies of these letters and press news were circulated to all members of 18th EPSC for their views/comments but we have not received any response. He clarified that some of the issues/points raised in letters received from NGOs on the 17th and 18th EPS are not under the purview of EPS. He said that the summary of main issue/points raised in above letters and clarifications would be discussed by the Committee.

Member (Planning), CEA in his remarks requested the members to actively participate and give their suggestions on various issues and urged the States which have yet to furnish the data to submit the same immediately so that work of preparing preliminary forecast could be completed and the draft reports could be discussed in the next EPSC meeting to be held in June, 2011. He indicated that the data from the states like UP, Maharashtra, West Bengal, Delhi is yet to be received. He mentioned that the data of 18th EPS received from the states has been scrutinized and modified for the preparation of preliminary forecast. The comments on preliminary forecast of various states have been sought and would be discussed in the meeting. He stressed that the programme/schedule of EPS is very tight as the forecast is to be completed by September, 2011. He again requested all the states representatives (who are yet to submit its data) to send the data in time and also sought their cooperation for the successful completion of 18th EPS in time.

Member Secretary, 18th EPSC & Chief Engineer (DMLF) made a presentation on the present status of various activities and progress and programme of completing the 18th EPS. He outlined the key issues involved in EPS and touched upon various aspects related to input data compilation, preliminary forecast reports of the States. He discussed various aspects taken into consideration and the limitations regarding availability of adequate & reliable data for some of the states which was not sufficient to carry out studies for forecast. He indicated that Haryana was the first state to submit the input data of 18th EPS to CEA and the preliminary forecast was sent to the State & HERC for their comments/views in October, 2010. He mentioned that some of the states like, Maharashtra, Karnataka and West Bengal (DISCOM-wise) have sent

their data very recently which would need to be scrutinized before utilizing the same for preliminary study.

Comparing the power demand projections of 17th EPS forecast with the actual, Member Secretary pointed out that variations are reasonable for the initial forecast period and, however, in the year 2010-11, there was a deviation of around 5%. This deviation was attributed to states which were not able to achieve the pace of growth and their vision and development of distribution network & infrastructure etc. He informed that as far as forecast for mega cities and NCT is concerned, the same would be taken up after the completion of power survey of all the states/UTs.

As per revised schedule of completion of various activities, the draft reports of all the states is programmed to be completed by June, 2011 and the same are to be discussed in the next EPS meeting. He requested the states which have so far not submitted data to coordinate with DISCOMs and furnish the same immediately. He informed that the preliminary forecast for 15 States/UTs has been carried out and the same has been sent to concerned State TRANSCOs. These State TRANSCOs are requested to convey their views/suggestions for incorporating the same in the draft report. In addition to State TRANSCOs, SERCs have vital role in advising the States on programme for reduction in T&D losses and moderation of Load Forecast, therefore, views of SERCs have also been sought and are awaited. Member Secretary explained the need for availability of urban-rural segregated data. He mentioned that the rapid growth of urbanization and its effect on power demand would be taken care of in 18th EPS. He explained the methodology/procedure followed by CEA in the preparation of preliminary forecast in the presentation by taking the example of Madhya Pradesh forecast, wherein he explained various parameters such as additions of consumers, specific consumption, connected load, hours of operation, household size, etc.

Member Secretary in his presentation described clarifications and the views on various points raised in the representations received by CEA from Shri Jhunjhunwala, Sh. Shankar Sharma and news item on 18th EPS. He mentioned that some of the issues cited in the representation were not in the purview of EPS. He informed that inputs have been sought from Bureau of Energy Efficiency (BEE) regarding state wise details of the impact of implementation of various measures for improvement of energy efficiency and avoiding of capacity addition as envisaged under P.A.T programme. He explained that the econometric model would be used for validation of the results of forecast made by PEUM technique for which necessary interaction would be done with reputed agencies/organizations having expertise in this field and proposal would be formulated by CEA.

Chairperson, CEA mentioned that the draft report of forecast is to be finalized in the month of May, 2011, and discussions for finalization would be made in the next meeting in June, 2011. He, therefore, requested all the states to submit the comprehensive input data of 18th EPS at the earliest. He also requested that comments on preliminary forecast may also be sent to CEA at the earliest for modifications (if needed) which could be incorporated after one to one discussions. He stressed that states are free to seek advise & guidance of CEA in preparation of their data. He added that as expertise in CEA to take up the econometric model is not available for the comparison and the validation of the results obtained by using Partial End Use Method (PEUM), this task would need to be assigned to an external agency. Member (Planning) CEA informed that consultation process would be undertaken with each state before finalizing the draft report (Volume – I). He added that since SERCs have vital role in T&D losses reduction programme their opinion would also be taken for considering the same for incorporating in draft report. Chairperson then requested for comments & views on various agenda items from members/representatives of 18th EPSC.

The points/items discussed with members of 18th EPSC are outlined below:-

Planning Commission:

Adviser (Power) Planning Commission indicated that studies for 17th EPS made by Econometric Model were basically rudimentary work and detailed analysis is required to be done for conducting studies by this model. He stated that industrial sector demand is being under estimated as latent demand is not being captured correctly. The projections of Industrial sector is thus much low as industries are also using captive generation. He pointed out that the Econometric Model is a complex exercise requiring scrutiny of voluminous data and this detailed exercise can be completed in realistic time frame. He opined that T&D losses also form part of demand and needs to be accounted for.

TERI

Shri Ramanathan, Distinguished Fellow, TERI complimented the work being done by CEA. He said that Mega Cities are part of States, it is not clear as to how their projections would be adjusted. Similarly, NCR region covers areas spread in more than one state it need not be clubbed with Delhi. Chairperson, CEA clarified at this juncture and informed that Delhi being a separate State, the forecast would be done separately and

forecast for NCT Delhi would form Volume III of report. He mentioned that due to introduction of open access, the data furnished by utilities may not be correct and opined that econometric model is best suited for forecast. While clarifying this point, Member(Planning) mentioned that the open access transactions are very meagre in volume and will not have significant impact on the projections as the PEUM also considers actual energy requirements and peak demand for projections. The actual values of electricity requirements and peak load will take care of the open access transactions, as its accounting will be reflected by TRANSCOs. Shri Ramanathan mentioned that capacity requirement is different from demand. He said that sustainable development aspects need not be mixed. He gave views on suggestions/points raised by Shri Jhunjhunwala in his representation to CEA and opined that commercial & domestic category forecast is done separately and has not been clubbed as pointed out by Shri Jhunjhunwala. He suggested that CEA may have dialogue with potential institutes for conducting the study by econometric model. Member (Planning), CEA clarified that CEA is already working on this line and we had approached IIT, Delhi which have shown inability to take up this work due to preoccupation with other assignments.

Thereafter, views/observations of states on various points/issues on agenda items were discussed. The brief on the same is given below:

Maharashtra: The representative of Maharashtra informed that all the four DISCOMs have submitted their data to Maharashtra State Electricity Transmission Company and the same has to be consolidated. He assured to submit the same to RPSO(West)/ CEA in the first week of April, 2011.

Delhi: The representative stated that the data has been received from BSES- Rajdhani, BSES-Yamuna, NDPL by Delhi TRANSCO but the data from MES and NDMC is still awaited. The complete data from all the DISCOMs will be collected and forwarded to CEA within a week. CEA would also appropriately take up with MES & NDMC to expedite the data submission.

Chattisgarh: Representative of the state agreed to provide the rural/urban break up of data by 10.4.2011.

Dadra & Nagar Haveli: The representative mentioned that they are in the process of compiling the data and on completion of the same, it would be sent to CEA by 10th of April, 2011. RPSO (South) would pursue and render necessary assistance to DNH authorities in this regard.

Jharkhand: CE, Planning JSEB stated that urban-rural segregated data has not been compiled so far and the same would be submitted by 15th April, 2011.

Orissa: It was informed that the data submitted so far was incomplete and assured that comprehensive data would be submitted by 7th April, 2011.

West Bengal: The representative of WBPTCL indicated that Urban-rural segregated data is not readily available as capturing the data has been difficult. RPSO (East) would coordinate and take necessary action in this regard. They also submitted soft copy of compiled data except rural/urban divide and also agreed to send it by email.

Gujarat : The Discomwise data has been received very recently, the comprehensive compiled data will be submitted to RPSO (West) by GSEC in the first week of April**.**

Andhra Pradesh: The representatives informed that in respect of domestic & commercial category, they have proposed to take unrestricted demand (i.e., six hours of load shedding) into account w.e.f. 2011-12 due to which there will be a jump in the specific consumption of these categories in rural areas of about 200 MUs. They also propose to take a huge addition in the category of Lift Irrigation for the years 2013-14 and 2014-15 due to which the load factor would come down from 75% to 65%.

Under open access, 2600 MUs is to be taken into account for the year 2009-10 and the growth rate to be continued for the ensuing years. They assured to submit the data of open access transactions and other details by 2nd week of April, 2011 to RPSO (South).

Tamil Nadu: The representative stated that as 10702 MW was actual load on 17-2-11 and 20% of HT power cut (3 hours per day rural load shedding), 750 MW would be taken into account as compensation that sums up to 11452 MW during the year 2010-11. Henceforth, 8% uniform growth rate may be considered.

Madhya Pradesh: Representative of Madhya Pradesh submitted that their forecast is on the lower side and in this regard, they submitted their written views which would be examined and incorporated in the revised report on the basis of justification.

Goa: The representative was requested for sending the preliminary forecast at the earliest. He indicated that requirement is based on sustainable development.

Bihar: The representative of Bihar submitted the data in the meeting which would be scrutinized for considering the same for EPS.

Kerala: The representative assured to provide the rural/urban break up shortly. He also indicated that they will comment on the preliminary forecast after study. CEA requested Kerala to furnish their comments early.

Sikkim: The representative agreed to submit the data shortly.

A&N Islands: Representative of A&N Islands had furnished their clarifications on the irrigation category projection. It was informed that this matter has been taken up with SE, A&N Islands.

Himachal Pradesh: The representative indicated that they agree with the preliminary forecast and the same would be formally conveyed to CEA.

Railway Board: Representative of Railway Board, informed that they have provided the data. It was informed that the state wise break up for NTPC & DVC load needs to be furnished by Railways. The representative informed that Railway is introducing its captive generation. The programme/details of the same would be submitted by Railways.

Assam: The representative accepted the preliminary forecast. She pointed out some corrections in the actual peak demand (provisional) occurred in the current year. She also indicated that Assam State does not have any HT>1MW Industry category.

Punjab: The representative of Punjab accepted the preliminary forecast in principle. He was requested to convey the same so as to prepare the draft report.

Haryana: The representative informed that state acepted the preliminary forecast. Haryana had also submitted the data for rural/urban for 15 circles. They confirmed that the data for the balance one circle will be provided shortly. The representative agreed to send the complete data by e-mail.

Rajasthan: The representative of Rajasthan stated that their forecast is in the lower side and he requested CEA for giving them the category wise projections for their study so as to enable them to give their comments/suggestions.

After the deliberations the following decisions were taken:-

- The states of Delhi, Maharashtra, Gujarat, Sikkim, DNH to ensure submission of data by the 2nd week of April, 2011. **(Action concerned State TRANSCOS/Power Departments).**

- The segregation of rural/urban data (wherever available) may be provided by Ist week of April, 2011. **(Action concerned State TRANSCOS/Power Departments).**

- The comments/views on preliminary forecast in respect of 15 Nos. States/UTs to be communicated to CEA by 10th April, 2011. **(Action concerned State TRANSCOS/Power Departments).**

- The following revised schedule of completion of 18th EPS works was approved. **(Action concerned State TRANSCOS/Power Departments/CEA).**

Volume I		
State wise/Region wise/All India18th EPS	-	September, 2011
Volume II		
Electric Power Survey of Mega Cities	-	February, 2012
Volume III		
Electric Power Survey of NCR, Delhi	-	June, 2012
Volume IV		
18th EPS of India [by econometric model	-	Oct., 2012

- To carry out studies by Econometric Model, CEA to take up with reputed organizations/agencies and formulating the proposal for EPS. **(Action CEA)**

- Consultation with States/SERCs to be done in April-May, 2011 to prepare state wise draft report. **(Action CEA)**

- Draft report to be put up to 18th EPSC in 3rd meeting planned in June, 2011. **(Action CEA)**

The meeting concluded with vote of thanks to chair.

ANNEX.I

LIST OF PARTICIPANTS

2nd Meeting of 18th Electric Power Survey Committee (EPSC) held on 29.03.2011 at Central Board of Irrigation & Power (CBIP), New Delhi.

CENTRAL ELECTRICITY AUTHORITY

1 Shri Gurdial Singh
Chairperson & Chairman of 18th EPSC

2. Shri A.S. Bakshi,
Member (Planning)

3. Shri Major Singh
Chief Engineer (DMLF) & Member Secretary of 18th EPSC

PLANNING COMMISSION:

4 Shri Somit Dasgupta
Adviser (Power)

MIN.OF COMMERCE & INDUSTRIES
DEPTT. OF INDUSTRIAL POLICY & PROMOTION

5 Shri Shyamal Misra
Director

RAILWAY BOARD

6 Shri Sushil Kumar
Director (Elect.)

APTRANSCO

7 Shri D.R. Vishwanath Rao,
Divisional Engineer (Plg.)

8 Shri L. Paroha Saratih
Assistant Divisional Engineer

MPPTCL, JABALPUR

9 Shri R.K. Harde
Associate Consultant (Plg.)

10 Shri A.K. Alung
Executive Engineer (Plg.)

WBSETCL

11 Shri A Karmakar
Superintending Engineer (E)

DELHI TRANSCO

12 Shri V.K. Gupta
D.G.M

MSETCL MUMBAI

13 Shri N.N. Wankhede
Executive Engineer

GUJARAT URJA VIKAS NIGAM LTD. BARODA (GUJARAT)

14 Shri D.R. Shah
Addl. Chief Engineer

ORISSA POWER TRANSMISSION CORPN. LTD

15 Shri N.R. Mandhata
Sr. GM

16 Shri S.K. Bahera
Asstt. Manager (Elect.)

ELECTRICITY DEPARTMENT. GOA

17 Shri P.K. Madhavan
Asstt. Executive Enginner

18 Shri B.N. Galye
Asstt. Executive Engineer (IPM)

BSEB PATNA

19 Shri C.L. Prakash
Chief Engineer (Planning)

20 Shri Radhey Shyam
EEE (Planning)

Kerala State Electricity Board, Kerala

21 Shri/Smt. K. Valsakumari,
CE, Corp. Planning

22 Shri G. Sreenivasan
Resident Engineer

JHARKHAND STATE ELECTRICITY BOARD, JHARKHAND

23 Shri S.C. Mishra
Chief Engineer (Coml.)

ASSAM STATE ELECTRICITY BOARD (ASEB)

24 Mrs. Utpala Sharma
Chief Engineer

25 Shri H.M. Sharna
Resident Engineer

TNEB, TAMIL NADU

26 Shri A. Balakrishnan,
Superintending Engineer (Plg.)

GOVT. OF SIKKIM

27 Shri P.T. Bhutia
Addl. Chief Engineer

ELECTRICITY DEPTT. DNH

28 Shri R. B. Chaubal
Dy. Engineer

ELECTRICITY DEPTT. ANDAMAN & NICOBAR

29 Mrs. H.K. Pabla
Junior Engineer(Elect.)

DAMODAR VALLEY CORPORATION (DVC)

30 Shri M.M. Kumar
Chief Engineer (Coml.)

PSPCL:

31 Shri Jaspal Singh
Chief Engineer (Plg.)

32 Shri Kuldip Singh
Superintending Engineer

HPSEBL, SHIMLA

33 Shri S.L Sharma
CE (SP)

34 Er. M.L. Sharma
AEE of CE (SP)

UPPCL LUCKNOW

35 Er. V.K. Verma
Chief Engineer

36 Er. Deepak Rajada
Sr. A.E Planning

TATA POWER

37 Shri V.K. Goyal
Sr. Adviser

CGPDCL, RAIPUR

38 Shri S.D. Diwan
ED (OAC)

RVPNL, JAIPUR

39 Shri Ashok Vaidya
Addl. Ex. Engr. (P&P)

POWER GRID (PGCIL)

40 Shri Avinash M Pavgi
AGM

NTPC LTD.

41 Shri O.P. Khorwal
GM (CP)

42 Shri Arun Mehta
DGM (Cropn.Plg.)

TSECL, TRIPURA

43 Shri M. Debbarma,
AGM

MEGHALAYA ENERGY CORPN. LTD.

44 Shri K. Marbaniang
CE (Trans.)

45 Shri E. Slong
ACE (P&D)

HPPC, PANCHKULA

46 Er. A.K. Virdi.
Superintending Engineer

NCR PLANNING BOARD

47 Shri J.N. Barman
Joint Director (Tech.)

CONFEDERATION OF INDIAN INDUSTRY (CII)

48 Shri Sabyasachi Dasmohapatra
Director Energy

49 Shri Sandeep Sarin
Executive (Energy)

NCAER

50 Shri Purna Ch. Parida
Fellow

TERI

51 Shri K. Ramanathan
Distinguished Fellow

CESC

52 Shri B.B. Chakraborti
V.P.(S.O)

REC, NEW DELHI

53 Shri S.K. Gupta
GM (T&D)

54 Shri Fuzail Ahmad
DGM (T&D)

OTHER OFFICERS OF CEA

55 Dr. Jai Pal Singh
Member (E&C)

56 Ms. Padmaja Mehta
Economic Adviser

57 Ms. Neerja Mathur
Chief Engineer (IRP)

58 Shri Alok Saxena
Director (OM)

59 Shri S.Biswas
Director (DMLF)

60 Shri Hardayal Singh
Deputy Director

61 Shri K. Seshadri
Assistant Director

62 Shri Sovaran Singh
Assistant Director

63 Shri K.K. Puri
Assistant Director

64 Shri Deepak Kumar
Dy. Director , RPSO (NORTH)

65 V. Kalyanraman
Dy. Director , RPSO (SOUTH)

66 Shri J.K. Rathore
Deputy Director, RPSO (WEST)

67 Shri M.O. Tekam
Head D'man, RPSO (WEST)

68 Shri D.K. Meena
Assistant Director, RPSO (NORTH)

69 Shri A. Kesavan
Asstt. Director, RPSO (SOUTH)

CBIP

70 Shri A.C. Gupta
Director (WR)

71 Shri C.S. Malik
Director (E)

72 Shri P.P. Wahi
Director

73 Shri S.C. Nakre
Jt. Adviser

74 Shri P. Padmanabhan
Consultant

75 Shri S.S. Alag
Sr Manager (Tech.)