

भारत सरकार
केन्द्रीय विद्युत प्राधिकरण
समन्वित संसाधन योजना प्रभाग
सेवा भवन, आर. के. पुरम,
नई दिल्ली - ११००६६



GOVERNMENT OF INDIA
MINISTRY OF POWER
CENTRAL ELECTRICITY AUTHORITY
Integrated Resource Division
SEWA BHAWAN, R.K. PURAM
New Delhi - 110066

No. CEA/PLG/IRP/2/10/2015/

Dated 10.9.2015

OFFICE ORDER

COMMITTEE FOR NATIONAL ELECTRICITY PLAN 2015 in its 1st meeting held on 1.9.2015 decided to constitute 11 No. of subcommittees to deal with the different aspects of power sector. The composition and Terms of Reference of the various sub committees are as follows::

I. Sub-committee- 1: Power For All

Constitution:

- Member, (GO&D), CEA – Chairman
- Chief Engineer (PFA), CEA - Member Secretary

Members

- CEA-CE(DP&D), CE(PSLF)
- Representatives from REC, MNRE, BEE, PFC

Terms of Reference of Sub-Committee

- Assessment in terms of increase in demand (MW&MU) due to “Power for all” schemes
- Measures for making available reliable and quality power to consumers at affordable rates
- Review effectiveness of 12th Plan Schemes like R-APDRP and to suggest modifications and/or give recommendations

II. Sub-committee 2: Demand Side Management, Energy Efficiency & Conservation

Constitution:

- DG (BEE), as Chairman
- Chief Engineer, (TPE&CC), CEA as Member Secretary

Members

- Representatives from EESIL, PCRA, CII, IEEMA, ELCOMA
- CEA-CE(DP&D)

Terms of Reference of Sub-Committee

- Assess Energy Conservation measures implemented and review achievements till 12th Plan.

- Assessment of reduction of energy demand and peak demand through Demand Side Management (DSM) and Energy Efficiency Targets for 2017-22 and measures to be adopted
- Achievements and Plans with respect to Missions of Climate change

III. Sub-committee 3: Demand Projection

Constitution:

- Member, (Planning), CEA – Chairman
- Chief Engineer, (PSLF), CEA - Member Secretary

Members

- CEA- CE(PFA), Member Secretary(RPCs)
- Representatives of BEE, NITI Ayog, POSOCO

Terms of Reference of Sub-Committee

- Demand Assessment in terms of peak and energy requirements for the period from 2017-22 and 2022-2027 considering impact of PFA, DSM and Energy Conservation Measures.

IV. SUB-Committee 4: Review of 12th Plan and Generation Planning

Constitution:

- Member, (Planning), CEA – Chairman
- Chief Engineer (IRP), CEA - Member Secretary

Members

- CEA- Director (IRP), Director (RE), Director (TPM), Director (HPM), Director (OM), Director (TPI), Director HPI), Director(PSLF), Director(GM)
- POSOCO, NPCIL

Terms of Reference of Sub-Committee

- To review the likely achievement vis-a-vis targets during 12th Plan period towards generation including non-conventional sources and R&M/LE. Reasons for shortfalls, if any.
- Assessment of generation capacity addition during 2017-22 from grid connected Renewable Energy Sources
- Recommend optimal mix of additional Generation Capacity for 2017-22 – Listing of Projects & their phasing and advance action for 2022-27 including broad identification of projects
- Assess potential for R&M/LE and formulate plans to maximize benefit (efficiency & capacity utilization)

V. Sub-committee 5: Integration of Renewable Energy Sources

Constitution:

- Member, (PS), CEA as Chairman
- Chief Engineer, (PSP&A-II), CEA as Member Secretary

Members

- CEA- CE(RE), CE(GM), CE(IRP), CE(RA), CE(PSLF)
- Representatives from POSOCO, RPCs, MNRE, PGCIL

Terms of Reference of Sub-Committee

- Issues relating to seamless integration of Renewable Energy Sources into Power System
- Balancing requirement for Renewable
- Flexible Generation

VI. Sub-Committee 6: Technological advancement and research & development

Constitution:

- Director General, CPRI -Chairman
- Executive Director (NETRA), NTPC - Member Secretary

Members

- Representatives from IEEMA, IIT- Kanpur, PGCIL, DST, BHEL
- CEA-CE(R&D),CE(TETD),CE(HETD),CE(SETD)

Terms of Reference of Sub-Committee

- Review of Existing R&D Facilities & Programmes in Power Sector
- Recommendations regarding Science & Technology programmes to be implemented during 2017-22, including identification, transfer and diffusion of technology in various areas of the Power Sector

VII. SUB-Committee 7: Fuel requirement

Constitution:

- Member, (Planning), CEA as Chairman
- Chief Engineer, (FM), CEA as Member Secretary

Members

- Representatives from MoP&NG, MoC, NPCIL,NLC
- CEA- CE(IRP) and CE(TPI)

Terms of Reference of Sub-Committee

- Identify and quantify the different types of fuel required to meet the capacity addition, source-wise fuel availability etc.

VIII. Sub-committee 8: Fund requirement

Constitution:

- Member, (E&C), CEA as Chairman
- Chief Engineer (F&CA), CEA as Member Secretary

Members

- Representatives from MOP, PFC, REC, NTPC, NHPC, PGCIL, NITI Ayog, NPCIL
- CEA- CE(TPI),CE(HPI),CE(PSP&A)

Terms of Reference of Sub-Committee

- Review of financial issues relevant o Power System
- Identify the investment required to meet the capacity addition and associated transmission system , possible sources of funds etc.

IX. Sub-committee 9: Key Inputs for Power Sector

Constitution:

- Director, (Projects), NTPC as Chairman
- Chief Engineer, (TETD), CEA as Member Secretary

Members

- CEA-CE(TPI),CE(PSP&A),CE(SETD),
- Representatives of BHEL, Ministry of Railways, Steel, MOPNG, Shipping, Surface transport, Cement, Private equipment Manufacturers, CII

Terms of Reference of Sub-Committee

- Identify the key inputs required for meeting the capacity addition requirement,
- To assess infrastructural support required for Power capacity addition during 2017-22 & 2022-27
- Land and Water requirement
- Transport (Railways, Roads, Waterways, pipeline, LNG terminals)
- Port Facilities
- Construction & Manufacturing Capabilities specifically erection machinery & erection agencies including Civil & BOP contractors.
- Steel, Cement, Aluminum and other materials

X. Sub-Committee-10: Transmission Planning

Constitution:

- Member, (PS), CEA as Chairman
- Chief Engineer (PSP&A-II), CEA as Member Secretary

Members

- CEA- CE(PSP&A-I), CE(PSPM),CE(SETD) ,RPCs
- Representative of PGCIL,POSOCO,MNRE, Haryana, Orissa, Gujarat, Tamil Nadu , one of the North Eastern state

Terms of Reference of Sub-Committee

- Review of achievement of 12th Plan targets for transmission and reasons of shortfall
- Development of integrated Transmission Plan for the period from 2017-22 and perspective plan for 2022-27
- Explore SAARC integration
- Green Corridor
- Technological development in Transmission

XI. Sub-Committee-11: Human resource requirement

Constitution:

- Director General(NPTI)-Chairman
- Chief Engineer(HRD), CEA- Member Secretary

Members


- Representative of PGCIL, NTPC, NHPC, MNRE, Two state Gencos
- Representative from National Skill Development Corporation

Terms of Reference of Sub-Committee

- Assess the human resource requirement
- Human Resource Development plans.

- i) Sub-Committees may co-opt any expert as may be considered necessary.
- ii) Each Sub-Committee shall adhere to the timeline as shown in the enclosed bar chart.

- iii) The Committee for National Electricity Plan, 2015 shall periodically review the progress made by each sub-Committee. The first review is tentatively scheduled in the first week of November 2015.
- iv) Each Sub-Committee shall submit a Report to the Committee for National Electricity Plan, 2015. Each of the Report shall form an integral part of the Third National Electricity Plan.

 10/9/15

(J. Bandyopadhyay)

Chief Engineer (IRP) &

Member Secretary of NEP, 2015

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Copy to :

1. SA to Chairperson, CEA
2. Chairman of the sub committees