



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
समन्वित संसाधन योजना प्रभाग
Integrated Resources Planning Division

OFFICE ORDER

Preparation of National Electricity Plan (NEP) is a statutory responsibility entrusted to Authority (Central Electricity Authority) under Electricity Act, 2003. Under Section 3(4) of the Electricity Act, 2003, the Authority shall prepare the National Electricity Plan in accordance with the National Electricity Policy and notify such plan once in five years after obtaining the approval of the Central Government.

The National Electricity Plan would include

- i) Short term and long term demand forecast for different regions
- ii) Integration of proposed capacity addition in generation including renewable and integration thereof
- iii) Transmission system and development of National Grid
- iv) Technological options
- v) Key inputs viz. infrastructure requirement, fuel requirement, human resources and investment requirement etc.

The present National Electricity Plan covers the review of 12th Plan, detailed Plan for 2017-22 and perspective Plan for 2022-27 and was notified in the Gazette of India (Vol-I-Generation in March 2018 and Vol-II – Transmission in January,2019)

In order to elicit views of various experts in Power Sector in the work relating to the preparation of the National Electricity Plan for the next five years (2022-2027), a **COMMITTEE FOR NATIONAL ELECTRICITY PLAN** is constituted with following composition:

A. Constitution:

- i) Chairperson, CEA - Chairman of the Committee
- ii) Chief Engineer (IRP), CEA - Member Secretary

Members

- i) Member (Planning), CEA
- ii) Member (PS), CEA
- iii) Member (Thermal), CEA
- iv) Member (E&C), CEA
- v) Member (Hydro), CEA

- vi) Member (GO&D), CEA
- vii) Economic Advisor, MOP
- viii) Representative of MNRE not below the rank of JS, (MNRE)
- ix) Director General, BEE
- x) Advisor (Energy), NITI Aayog
- xi) Director General, CPRI
- xii) Chairman cum Managing Director, NTPC
- xiii) Chairman cum Managing Director, NHPC
- xiv) Chairman cum Managing Director, PGCIL
- xv) Chairman cum Managing Director, PFC
- xvi) Chairman cum Managing Director, (POSOCO)
- xvii) Chairman cum Managing Director, NPCIL
- xviii) Chairman cum Managing Director, REC
- xix) Chairman cum Managing Director, EESL

B. Terms of Reference of the Committee

- i) To review the likely achievements vis-à-vis targets set for the 2017-22 period towards generation from conventional sources along with reasons for shortfalls, if any.
- ii) To assess the peak load and energy requirement for the period 2022-27 and perspective forecast for 2027-32.
- iii) To assess the incremental capacity requirement to meet the projected load and energy requirement after considering retirements, renewable and captive injection and suggest the feasible break up in terms of thermal, hydro, nuclear ,renewables etc.
- iv) To make an assessment of the resource requirement like fuel, land, water, indigenous manufacturing capabilities, infrastructural, human resource for meeting the capacity addition requirements.
- v) To assess investment requirement for generation and transmission capacity addition during 2022-27 and beyond.
- vi) To suggest energy conservation measures through Demand Side Management and suggest a strategy for low carbon growth.
- vii) Review of latest technological development and R & D in the power sector and to assess its suitability for Indian conditions.
- viii) Development of integrated Transmission Plan for the period from 2022-27 and perspective plan for 2027-32 including Grid Security, evacuation of Renewable Energy Sources and exploring SAARC integration.

C. 1. The NEP committee may co-opt any expert as may be considered necessary.

2. NEP committee may constitute separate sub committees on any aspect. The report of the subcommittee(s) shall be submitted to NEP committee for consideration.

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Digitally signed by P. C. KUREEL
Date: 2020.08.18 15:53:05 IST

(P.C. Kureel)
Secretary, CEA