

## Central Electricity Authority

केन्द्रीयविद्युतप्राधिकरण

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No. CEA/Plg/RES-30/2017

Dated:30<sup>th</sup> January,2017**OFFICE ORDER**

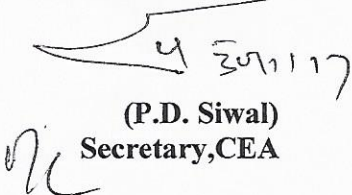
**Subject: Constitution of a Technical Committee for study of optimal location of the various types of balancing energy sources /energy storage devices to facilitate grid integration of Renewable Energy Sources and associated issues – reg.**

Pursuant to the deliberations held in the Ministry of Power (MoP), it has been decided that Central Electricity Authority (CEA) would undertake a Study for identifying optimal locations for balancing energy sources /energy storage in the country, to facilitate grid integration of renewables, keeping in view the impact of variability of renewable generation on system operation and the ongoing plan for massive capacity addition of renewables.

2. Accordingly, the Central Electricity Authority (CEA) hereby constitutes a Technical Committee with the following composition:

(i)	Member(Planning), CEA	-	Chairman of the Committee
(ii)	Representative from MNRE	-	Member
(iii)	Representative from Power Grid	-	Member
(iv)	Representative from POSOCO	-	Member
(v)	Representative from NTPC	-	Member
(vi)	Representative from NHPC	-	Member
(vii)	Representative from SECI	-	Member
(viii)	Representative from Tamil Nadu	-	Member
(ix)	Representative from Gujarat	-	Member
(x)	Representative from Rajasthan	-	Member
(xi)	Representative from Karnataka	-	Member
(xii)	Representative from Maharashtra	-	Member
(xiii)	Representative from Telangana	-	Member
(xiv)	Representative from Andhra Pradesh	-	Member
(xv)	Representative from Madhya Pradesh	-	Member
(xvi)	Chief Engineer (IRP), CEA	-	Member
(xvii)	Chief Engineer (PSP&A-I), CEA	-	Member
(xviii)	Chief Engineer (PSP&A-II), CEA	-	Member
(xix)	Chief Engineer (HE&TD), CEA	-	Member
(xx)	Chief Engineer (TE&TD), CEA	-	Member
(xxi)	Chief Engineer (GM), CEA	-	Member
(xxii)	Chief Engineer (FM), CEA	-	Member
(xxiii)	Chief Engineer (F&CA), CEA	-	Member
(xxiv)	Chief Engineer (RES Dev.),CEA	-	Convener &Member Secretary

3. The Terms of Reference of the Technical Committee will be as under :
- i) To identify optimal locations with respect to pooling stations for balancing energy sources /energy storage in the country for facilitating grid integration of Renewable Sources, considering cost benefit analysis;
  - ii) To consider the availability of storage/pondage hydro power stations including pumped storage generating stations and existing gas based power plants of neighbouring areas/countries as balancing resource; and,
  - iii) Any other issues incidental thereto.
4. The Committee may co-opt any other member, as deemed fit. The Committee shall submit its Report within six(6) months of the receipt of nominations of Members from the respective organizations.

  
 (P.D. Siwal)  
 Secretary, CEA

To:

1.	Member(Planning), CEA	Chairman of the Committee
2.	Secretary, MNRE	with the request for nomination of Member of the Committee at a senior level dealing with the subject, within a week.
3.	Chairman & Managing Director , NTPC	
4.	Chairman & Managing Director , NHPC	
5.	Chief Operating Officer, CTU (PGCIL)	
6.	CEO, POSOCO	
7.	Managing Director, SECI	
8.	Principal Secretary (Energy), Tamil Nadu	
9.	Principal Secretary (Energy), Gujarat	
10.	Principal Secretary (Energy), Rajasthan	
11.	Principal Secretary (Energy), Karnataka	
12.	Principal Secretary (Energy), Maharashtra	
13.	Principal Secretary (Energy), Telangana	
14.	Principal Secretary (Energy), Andhra Pradesh	
15.	Principal Secretary (Energy), Madhya Pradesh	
16.	All concerned Chief Engineers of CEA	

Copy for information to :

1. PPS to Secretary(Power)
2. PPS to Chairperson, CEA
3. PPS to Members of CEA