



भारत सरकार  
Government of India  
विद्युत मंत्रालय  
Ministry of Power  
केन्द्रीय विद्युत प्राधिकरण  
Central Electricity Authority  
विद्युत शक्ति सर्वेक्षण और भार पूर्वानुमान प्रभाग  
Power Survey & Load Forecasting Division

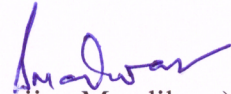
No. CEA/Plg/PSLF/Registry /2017/

dated: 19.07.2017

Subject: Minutes of meeting held at New Delhi on 11.07.2017 regarding maintenance of National Level Data Registry for electricity generating units by CEA.

A meeting to discuss the modalities for devising suitable framework for National Level Data Registry for electricity generating units so as to have easy availability of their generating capacity and other details, was held on 11.07.2017 at Sewa Bhawan, R K Puram, New Delhi, under the Chairmanship of Member (Planning), CEA. The meeting was attended by officers from RPC's, MNRE, CPSU's, SLDC's, State GENCOs, Discom's, IPP's etc.

Minutes of the Meeting is enclosed for kind perusal

  
(Sanjiva Mandilwar)  
Chief Engineer (PS&LF)  
Telefax:011-26105546

To,  
All the participants as per list

**Copy to:**

- 1) MDs of all DISCOMs
- 2) Head of State GENCOs
- 3) Head of SLDC's
- 4) Head of IPPAI & APPs
- 5) Member Secretary of RPC's

**Copy for kind information to:**

- 1) OSD to Hon'ble Minister of State with independent charge for Power, Coal, New & Renewable Energy and Mines
- 2) PPS to Secretary (Power), New Delhi
- 3) SA to Chairperson, CEA,
- 4) PPS to Member (Planning), CEA

**Minutes of Meeting held in Central Electricity Authority (CEA) on 11.07.2017 at Sewa Bhawan, R K Puram, New Delhi with representatives of RPC's, CPSU's, MNRE, SLDC's, State Genco's, Discom's, IPP's etc. on the proposed National Level Data Registry to be maintained by CEA for all the electricity generating units of the Country**

**List of participants is enclosed as Annexure-I.**

A meeting was held on 11.07.2017 at 15.30 hrs at Sewa Bhawan, R K Puram, New Delhi under the Chairmanship of Member (Planning), CEA with representatives of RPC's, CPSU's, MNRE, SLDC's, State Genco's, Discom's, IPP's etc. on the proposed National Level Data Registry to be maintained by CEA for all the electricity generating units of the Country. Member (Planning), CEA, welcomed the participants and stated that the main objective of the meeting was to devise a suitable mechanism for assigning a unique registration number, on the line of Aadhar number for Indian citizens, to each electricity generating unit of the country under the proposed National Level Data Registry System to be maintained by CEA. The unique registration number would be mandatory for:

- i) All the conventional electricity generating units (utilities) in the country whether coal based, gas based, liquid fuel based or Hydro Power based, if the total installed capacity of the generating plant (sum of capacity of individual generating units) is 1 MW and above.
- ii) All the generating units of grid-connected captive power plants, if the total installed capacity of the captive power plant (sum of capacity of individual generating units) is 1 MW and above.
- iii) All the generating units of off-grid captive power plants, if the total installed capacity of the captive power plant (sum of capacity of individual generating units) is 1 MW and above.
- iv) Renewable Energy (RE) generators having installed capacity of 1 MW & above whether grid-connected or operating in stand-alone mode.

Member (Planning), CEA, while explaining the background for calling this meeting, stated that despite repeated requests, only about 60% of the captive power plants (in terms of MW Capacity) submit data to CEA. He said that though it is mandatory for all the generating units in the country, including captive power plants of capacity 1 MW & above, to submit data regarding installed generating capacity and electricity generation to CEA, the information is not made available to CEA by some generating units. Even in case of some conventional power generating plants of IPP's, information was only made available to CEA during the time of commissioning of the plant. However, with assigning of proposed unique registration number for each generating unit (utilities as well as captive), the information of all the generating units of the country would be available with CEA in advance, and it will be easy to work out the total installed capacity of power plants in the country.

Thereafter, Chief Engineer (PS&LF), CEA, made a brief presentation (**copy enclosed as Annexure –II**) on the proposed mechanism for assigning a unique registration number to each electricity generating unit of the country under the proposed National Level Data Registry System to be maintained by CEA.

Chief Engineer (PS&LF), CEA, while making his presentation, said that though Section 74 of Electricity Act, 2003 and CEA (Furnishing of Statistics, Returns and Information) Regulations, 2007, mandates all the electricity generating companies to furnish

electricity data to CEA, the information is not coming from them particularly from Captive Power Plants and RE Generators of capacity 1 MW & above. He therefore, emphasized that appropriate changes/provisions would need to be incorporated in the existing regulations of CEA to make it mandatory for all the generating units to get the unique registration number from CEA. While explaining as to how the scheme is proposed to be implemented, he informed that the process of generation of unique registration number would be very simple. The generators would visit CEA's website ([www.cea.nic.in](http://www.cea.nic.in)) and would generate a unique registration number on-line immediately, for each generating unit, by filling in some details/milestones in a specified format on CEA's website. In order to ensure that every generating unit, of capacity 1 MW and above, has this registration number, they would have to quote this registration number while applying for connectivity to the grid, for grid connected generators. Without this unique registration number, application for grid connectivity would not be entertained and if grid connectivity has already been obtained, then in that case, the physical injection of power into the grid would not be allowed without this unique registration number. He also said that the existing generating units, which are already injecting electricity into the grid, would have to obtain the unique registration number within a stipulated time (say 6 months). After the stipulated time, they will not be allowed to inject power in the grid without this unique registration number. He further added that necessary amendments would also have to be made in appropriate Regulations at Central and State level (CERC & SERCs).

Chief Engineer (PS&LF), CEA, further emphasised that some mechanism would have to be evolved so that off-grid captive generators also obtain the unique registration number from CEA and submit information about their installed capacity and electricity generation to CEA. For upcoming captive power plants, Chief Electrical Inspectors of the States may not allow charging their installations without the unique registration number issued by CEA. For existing coal based off-grid captive generating units, one option would be that the Boiler Inspector may not give certificate for operation, if the off-grid captive generating units do not have the unique registration number issued by CEA. For existing off-grid RES generating units, including hydro generating units, suitable mechanism needs to be explored. He then invited the participants to give their suggestions/views on implementing the scheme.

Some of the participants opined that for grid-connected generating units, including grid-connected captive power units, information is available with SLDC's/RLDC's. However, suitable mechanism needs to be evolved to get information from standalone (off-grid) captive generating units. One option was to amend the regulations at State level to make it mandatory for the existing off-grid captive generating units to obtain the unique registration number from CEA, as suggested in the presentation by Chief Engineer (PS&LF), CEA.

Some participants opined that in case of RE generators, PPA is signed prior to applying for grid connectivity. Hence, for RE generators, the unique registration number may be made mandatory for signing of PPA.

Some participants enquired about what would happen if the generating unit retires or changes its category from Captive Power Plant to IPP or vice versa or requires some changes in installed capacity due to deration/uprating. In response thereto, Member (Planning), CEA, explained that provision would be there for making such changes, but the registration number once assigned to any generating unit will remain the same. All such changes would be reflected in the data associated with the unique registration number. Through the unique registration number, one would be able to see the date of such changes. viz. the date of commissioning of the generating unit, date of uprating/deration, date of change of category of plant if any, date of retirement etc.

Some participants enquired whether the existing gas based generating units which are not operating for want of natural gas are needed to be registered. To this, Member (Planning), CEA explained that all the existing generating units are required to get themselves registered under the scheme of proposed National level data Registry to be maintained by CEA. He further explained that some generating units may not be operating at present due to some reason, however, they also would need to obtain the unique registration number. Similarly, the captive generating units, even if they inject power into the grid only for a few months, would also need to obtain the unique registration number.

Concluding the meeting, Member (Planning), CEA, thanked all the participants for giving their preliminary views/suggestions on the proposed national level data registry and informed the participants that the formats for registration would be designed and mailed to the participants for their comments/suggestions. The meeting ended with vote of thanks to the Chair.

## Annexure-I

### List of participants

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**Presentation on Proposed National  
Level Data Registry system to be  
maintained by CEA**



## ASSIGNING UNIQUE REGISTRATION NUMBER TO ALL THE GENERATING UNITS

- A **National Level Data Registry** is to be maintained by Central Electricity Authority for all the Generating Units through which all the Generating Units will get an online generated **Unique Registration Number** from CEA by getting themselves mandatorily registered with CEA.
- The registration number would be automatically generated. Generating units would get this registration number from CEA website after filling in necessary details in a format designed for the purpose on CEA's website ([www.cea.nic.in](http://www.cea.nic.in))
- Once the generating units will get registered with CEA through this unique registration number, Generation Capacity data and other details of Power Plants including Captive Power Plants/Renewable Energy Generators (particularly Wind and Solar) of installed capacity of 1 MW & above would be available with CEA.

# Existing Legal Framework

- **EXISTING PROVISIONS IN ELECTRICITY ACT, 2003**

- Section 74. (Power to require statistics and returns) of Electricity Act, 2003 stipulated as under:

*“It shall be the duty of every licensee, generating company or person generating electricity for its or his own use to furnish to the Authority such statistics, returns or other information relating to generation, transmission, distribution, trading and use of electricity as it may require and at such times and in such form and manner as may be specified by the Authority”.*

- **PUNISHMENT FOR NON-COMPLIANCE UNDER ELECTRICITY ACT, 2003**

- Section 142(Punishment for non-compliance of directions by Appropriate Commission)
- Section 146(Punishment for non-compliance of orders or directions given under Electricity Act, 2003)

## Existing Regulatory Framework

### REGULATION 4 OF CEA (FURNISHING OF STATISTICS, RETURNS AND INFORMATION) REGULATIONS, 2007

*“All licensees, generating companies and person(s) mentioned in the regulation shall furnish to the Authority such statistics, returns or other information relating to generation, transmission, distribution, trading and utilization of electricity at such times and in such form and manner as specified under these regulations”.*

### REGULATION 5 OF CEA (FURNISHING OF STATISTICS, RETURNS AND INFORMATION) REGULATIONS, 2007

*“The entities shall furnish the statistics, returns and information as per the formats annexed to these regulations and the list of format is as per Annexure-I titled “List of formats, frequency (ies) and target date(s)”. These formats can also be obtained from the website of the Central Electricity Authority. The formats may be sent by mail or media, to the source (s) of the statistics, returns or information, as and when required”*

***The existing formats to be filled by the Generators excluding Captive power plants are 6,7,8,9 and formats to be filled for Captive Power plants having electricity demand of 1 MW & above is Format -21 (Formats would need revision for incorporating the provision for unique registration No. to be provided by CEA )***

## **CATEGORIES OF GENERATORS WHO HAVE TO MANDATORILY GET REGISTERED BY CEA**

- 1. Generating units, which are yet to be commissioned- Under construction/ order to be placed.**
- 2. Generating units, which are already commissioned**

**Under both categories, there are two categories:**

- a) All the generating units** of Conventional Generating Plants (utilities) including grid connected Captive Power Plants & Renewable Energy Generators of installed capacity of 1 MW & above.
- b) All the generating units** of Stand alone Captive Power Plants & Renewable Energy Generators of installed capacity of 1 MW & above, which are not connected to Grid

## **GENERATING UNITS YET TO BE COMMISSIONED**

- a) All the generating units of Conventional Generating Plants (utilities) including grid connected Captive Power Plants & Renewable Energy Generators of installed capacity of 1 MW & above.
  - b) All the generating units of Stand alone Captive Power Plants & Renewable Energy Generators, which are not connected to Grid. Total installed capacity of power plant (sum of capacity of all the generating units) should be 1 MW & above.
- All such Generating units would need to obtain an online generated unique registration number from CEA. Without this unique registration number issued by CEA, the application for grid connectivity would not be entertained and if grid connectivity has already been obtained, then in that case , the physical injection of power into the grid without this unique registration number would not be possible .
  - All the generating units of Captive Power Plants (total capacity of the plant~1 MW & above) including those based on Renewables Energy sources, which are stand alone units and which are not connected to grid would also have to get registered with CEA and obtain a unique registration number from CEA before charging their installations. Electrical Inspectors would not allow charging their installations without this registration number issued by CEA.

## **GENERATING UNITS WHICH ARE ALREADY COMMISSIONED**

- a) All the generating units of Conventional Generating plants (utilities) including grid connected Captive Power Plants & Renewable Energy Generators of installed capacity of 1 MW & above.**
  - b) All the generating units of Stand alone Captive Power Plants & Renewable Energy Generators, which are not connected to Grid. Total installed capacity of power plant (sum of capacity of all the generating units) should be 1 MW & above.**
- All such generating stations under both categories would have to obtain a unique registration number from CEA within a specified time period (say within 6 months).
  - Without this unique registration number, existing Generating stations(utilities) including grid interactive Captive Power Plants & Renewable Energy Generators of installed capacity of 1 MW & above shall not be allowed to physically inject their power into the grid.
  - Without this unique registration number, fossils fuel based Captive Power Plants (installed capacity of 1 MW & above), which are not connected to grid shall not get renewal certification from Boiler Inspectors , which is mandatory from safety point of view.

## **MECHANISM FOR OPERATIONALISATION OF THE SCHEME**

- For getting the unique registration number from CEA ,separate formats for registration are to be designed on CEA's website for Thermal/Hydro/Gas based generating units, Captive Power Plants, RES Generators etc. Information filled up in the format designed for a particular category of projects would automatically go to the concerned Divisions of CEA. Unique Registration Number will reflect the types of Generating units and fuel source also.
- Necessary provisions/modifications have to be made in **“General connectivity conditions” of CEA's existing Grid connectivity Regulations**, to make it mandatory for the Generating units to obtain the unique registration number from CEA.
- Necessary provisions/modifications would also have to be made in **Regulation 4 & 5 of CEA (Furnishing of statistics, returns and information) Regulations,2007** to make it mandatory for all the Generating units to obtain the unique registration number from CEA for mandatory furnishing of regular data by upcoming generating projects.
- Provisions would also need to be incorporated in appropriate CERC/SERC's/Other Regulations to make it mandatory for all the Generating units to obtain the unique registration number from CEA.

***Views/Suggestions from  
Esteemed Participants on  
the scheme***



***Suggestions to be e-  
mailed at  
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