

CEA Draft (Deletion and modifications of Formats for furnishing of the Statistics, Returns or Information, its time schedule and periodicity), 2021

The Central Electricity Authority (CEA) notified the (Furnishing of Statistics, Returns and Information) Regulations, 2007 on 19th April, 2007 which consisted of 65 formats for furnishing of the statistics, returns or information by the licensees, generating companies, person(s) generating electricity for its own use and person(s) engaged in generation, transmission, distribution, trading and utilization of electricity to the CEA.

CEA by utilizing the power granted under sub-regulation (2) of regulation 9 of the said regulations, decides for the deletion of thirteen formats among them (namely Format no.30, Format no.39, Format no.40, Format no.45, Format no.46, Format no.47, Format no.50, Format no.52, Format no.55, Format no.57, Format no.61, Format no.62 and Format no.63) and the modification of five formats (namely Format no.21, Format no.49, Format no.51, Format no.53 and Format no.54). The table given below provides the suggested actions for the respective formats:

Sl. No.	Format No.	Title of Format	Proposed title of Format/whether contents are covered in the remaining format or not	Suggested Action
1	30	Daily Data regarding Loss of Generation on account of Shortage of Coal, Gas & Unrequisitioned Liquid Fired Capacity		Deletion
2	39	Report Of Monthly Average Ash Percentage (By Weight)		Deletion
3	40	Report Of Monthly Average Ash Percentage (By Weight)		Deletion
4	45	Fuel - Oil Data		Deletion
5	46	Status Of Progress Of Villages Electrification And Irrigation Pump sets Energisation		Deletion
6	47	District Wise Status Of Progress Of Village Electrification And Energisation Of Pump Sets		Deletion
7	50	Villages Electrified In Various Population Groups And The Population Covered		Deletion
8	52	Details Of Failure Of Distribution & Power Transformers	Not covered further in the Modifications	Deletion
9	55	Financial Turn Around Of DISCOMs	Available in Tariff Order, Not covered further in the Modifications	Deletion



Centre for Energy Regulation



10	57	Fuel Data Of Fossil Fuel Based Thermal Power Stations	Not covered further in the Modifications	Deletion
11	61	Monthly Peak Hours Generation Data By Coal/Lignite Based Or Combined Cycle Gas Turbine (CCGT) Power Stations	Not covered further in the Modifications	Deletion
12	62	Generating Company Data For Financial Study	Available in Tariff Order, Not covered further in the Modifications	Deletion
13	63	Transmission Company Data For Financial Study	Available in Tariff Order, Not covered further in the Modifications	Deletion
14	21	Annual Data Of HV/EHV Industry Having Electricity Demand Of 1 Mw Or Above	Annual Data Of Captive Power Plants (CPP) (Applicable To The Entities Having Electricity Demand/CPP Capacity Of 0.5 MW & Above)	Modification
15	49	District- Wise Monthly Progress Of Energisation Of Irrigation Pump sets	Irrigation Pump sets Energization –Progress	Modification
16	51 (1)	Metering Status For The Month System Metering 11 KV Feeder Metering Distribution Transformer Metering Consumer Metering	Metering Status Of Feeders (w.r.t PSS And Area Wise) In Distribution System	Modification
17	51 (2)	Metering Status For The Month System Metering 11 KV Feeder Metering Distribution Transformer Metering Consumer Metering	Metering Status Of Distribution Transformers (w.r.t PSS And Feeders, Area Wise) In Distribution System	Modification
18	51 (3)	Metering Status For The Month System Metering 11 KV Feeder Metering Distribution Transformer Metering Consumer Metering	Metering Status Of Consumers (PSS Wise And Area Wise-Urban/Rural) Of The Circle In Distribution System	Modification
19	53	Reliability Index At Customer Level For The Month	Reliability Indices (SAFI, SAIDI, CAIDI & MAIFI Etc.) -Consumer Affected/Interrupted Basis On The Feeder	Modification
20	54	Reliability Indices (11 KV Feeders) For The Month	Reliability Indices (SAFI, SAIDI, CAIDI & MAIFI Etc.) For Urban/Rural Areas -Load Affected/Interrupted Basis On The Feeder	Modification

The original Regulation can be accessed [here](#)

The proposed format can be accessed [here](#)

CER Opinion

CER Need for Data – Tool for effective policy and regulatory design:

It is important to highlight that availability of information is very crucial to design effective policy and regulatory framework and also enable various stakeholders including researchers to evaluate the impact of various measures and suggest improvement thereof. It is suggested to retain most of the formats proposed to be deleted. Given change in the sector, additional formats are identified for inclusion as well.

Absence of data would create significant information asymmetry. While the cost of providing such data is not significant to the sector participants, its value to the sector is extremely high.

CEA should reconsider the proposal to drop various data formats and take necessary steps to make data being collected through various formats to be made available through its website.

CER Deletion of Format No. 30 (Daily data regarding loss of generation on account of shortage of coal, gas and un-requisitioned liquid fired capacity):

The information provided through format No. 30 has a significant role in the decision-making by the generators, and by the suppliers & buyers of the electricity. This may also have significant influence on the market discovery of electricity prices. It is suggested that this data format should definitely be retained to ensure that there is proper flow of information to sector stakeholders and market participants.

CER Deletion of Format No. 39 and 40 (Report of Monthly Average Ash percentage & Report of Quarterly/Annual Average Ash percentage (by weight) in coal received respectively):

Power sector and environmental regulators, policymakers as well as researchers need data pertaining to format No. 39 and 40 to understand the impact of ash content in coal and design measures to address its adverse impact. Furthermore, information on ash utilisation should be provided in details to improve understanding of response of potential users of Ash to various support measures. So, it is suggested to retain both the formats.

CER Removal of Format No. 45 (Fuel-Oil Data):

The format for fuel-oil data could be simplified by excluding the details related to source of supply, mode of transportation etc. However, relevant information with relation to the monthly consumption of different types of fuel oil, their calorific value and average cost of fuel should be retained.

CER Modification in Format No. 49 (District-wise Monthly Progress of Energisation of Irrigation Pump sets):

It is suggested that the modification should be made in such a way that it could provide separate details of pump-sets energised based on the solar photovoltaics (PV) by including details about capacity of PV based pumps and PV capacity (including storage, if any) available to support them.

Given that the number of off-grid based electrification projects have been deployed across rural as well as remote areas based Distributed Energy Resources (DER), information about such projects and their performance should be included in format No. 49.

- Number of DER projects
- Technology (PV, Wind, SHP, hybrid with segregation etc) and their capacity including storage, if any
- Total energy supply capacity (annual)
- Number of consumers electrified and total connected load and total energy supplied to consumers (across domestic, IP, commercial load etc)
- Above information should be separately available for public as well as private projects including those setup by NGOs, local bodies etc.

CER Deletion of Format No. 50 (Villages electrified in various population groups and the population covered):

The format no. 50, which currently pertains to the village electrification, may not often provide reliable information as the distribution companies could not have reliable data related to the number of persons residing in the village. However, given the importance of the rural electrification and their impact on the life and livelihood of the people, it is suggested that the data with reference to the following classification may be obtained across electrified villages across number of lifeline consumers, domestic consumers and other consumers. It should also have separate information for new electrified villages, new consumers and load sanctioned. Separate information regarding on-grid and off-grid based electrified villages should also be provided including those by public as well as private projects including those setup by NGOs, local bodies etc.

CER Deletion of Format No. 52 (Details of Failure of Distribution & Power Transformers):

The Format no. 52 provides information on key performance indicators of the distribution licensee and hence this should be retained. This data is extremely important for the Electricity Regulatory Commissions (ERCs) to develop appropriate efficiency benchmark as well as to the policy makers to help design and target programs for improvement of distribution network and its maintenance.

CER Deletion of Format No. 55 (Financial Turn Around of Power Distribution Companies):

The format no. 55 provides crucial information regarding the financial turnaround of DISCOMs. However, this format needs to be modified and expanded to take care of the alternate definitions and detailing of the various sub-components adopted and reported across the distribution companies and regulated by the respective Electricity Regulatory Commissions.

CER Deletion of Format No. 57 (Fuel Data of Fossil Fuel Based Thermal Power Stations):

It is suggested to retain format no. 57 as this will provide information regarding impact on environment as well as role and impact of FGD investment. Moreover, it will also be able to highlight the societal benefits because of the various pollution control measures and

investments undertaken, specifically FGD in the current context.

CER Modification in Format No. 65 (Monthly Abstract of Ash Generation and Utilisation): It is suggested that the revised format may further elaborate ash utilization on the basis of the proposed applications such as cement manufacturing, brick manufacturing, road constructions etc. This would help ascertain impact of support measures and further support required to enhance ash utilisation by different types of usage.

CER Deletion of Format No. 62 & 63 (Generating and Transmission Company Data for Financial Study): These formats should be retained in its current form with all the necessary details. Tariff orders of respective SERCs do not provide adequate details and in a common format. Unavailability of such information would create significant information gap in undertaking benchmarking studies and to suggest improvement in the regulatory and policy framework across the sector.

CER Deletion of Format No. 61 (Monthly Peak Hours Generation Data by Coal/Lignite Based or Combined Cycle Gas Turbine (CCGT) Power Stations): The terms and condition of CERC 2019 provides for incentives for additional availability for peak and off-peak duration. In light of this, data reported in this format is important to ascertain its impact on tariff and thus on final consumers, and also evaluate efficacy of such a regulatory framework. Even otherwise, the value of information is crucial to understand the availability and generation of the plants. This information also has impact on market outcome.

CER New Data Formats:

In the context of various development in the sector, particularly in the power system operation and market development, following additional formats should be included.

- Reference to Unscheduled Interchange should not be replaced with DSM across relevant data formats
- Generators data related to their participation in SCED as well as Ancillary Services including financial aspects thereof
- Biomass blending by thermal power plants, calorific value of fuel, segregation of imported and domestic coal, transit and handling charges of fuel.
- Metering status across the distribution network as well as consumer categories with details on type of metering, e.g. remote metering & Time of Day (TOD) metering etc.,