No. 07/02/CEA/PFAM(RI)/2017/1897-1899   **Dated: 18-09-2017**

सेवा मे ,

सूची के अनुसार

Subject: नेशनल इलेक्ट्रि सटी पा लसी के अनुपालन में सीएए द्वारा रिलायबि लटी इंडेक्स का प्रकाशन संशो धत प्रारूप में डेटा जमा करने के संबंध में

Sir,

As you are aware that the reliability of power has been a part of Consumer Protection under Standards of Performance(SOP) which has been specifically dealt in the Electricity Act, 2003 under section 57 to 59. As per Section 57(1) – "The Appropriate Commission may, after consultation with the licensees and persons likely to be affected, specify standards of performance of a licensee or a class of licensees" and according to Section 59(2), "the Appropriate Commission shall at least once in every year arrange for the publication, in such form and manner as it considers appropriate, of such of the information furnished to it under sub-section (1)."

In compliance of Clause 5.13.1 and 5.13.2 of National Electricity Policy (NEP), the Appropriate Commission should regulate utilities based on pre-determined indices on quality of power supply and the parameters should include, amongst others, frequency and duration of interruption also. The Clause 5.13.2 of NEP also stipulate that "***Reliability Index (RI) of supply of power to consumers should be indicated by the distribution licensee. A road map for declaration of RI for all cities and towns up to the District Headquarter towns and also for rural areas, should be drawn by up SERCs. The data of RI should be compiled and published by CEA***".

Most of SERCs/JERCs have notified SOP covering monitoring of indices on quality of power supply, parameters (frequency and duration) thereof for rural and urban areas. The SOP of SERCs/JERCs specify to monitor the reliability indices either consumers interrupted on the feeders or load interrupted on the feeders for various duration of sustained interruption viz. >3min, >5 min or >10 min and some SERCs/JERCs have included Momentary interruptions in addition to above parameters.

In view of above, the earlier format of CEA for compiling the reliability indices are proposed to be discontinued and new formats have been devised by CEA to align with the criterion adopted by all SERC/JERCs. Parameters viz. SAIFI, SAIDI, CAIDI, MAIFI have been included in the new

---

formats designed i.e. Format-1:consumer interruption basis & Format-2: Load interruption basis so that all the distribution licensees are covered in the common format.

It is, therefore requested that appropriate directions to Discoms/Power Departments may be issued to submit the monthly/quarterly/half yearly/yearly data starting from the year 2017-18 in the appropriate formats(as applicable as per SOP) enclosed herewith. The soft copy of the report may be directed to submitted through email to ce.pfam.cea@gov.in for convenience of compilation at CEA.

भवदीय

Encl: As above

(एम एम धकाते)
निदेशक
Alternate E mail: cepfacea@rediffmail.com

To :

1. Secretary, Forum of Regulators (FOR), C/O Central Electricity Regulatory Commission (CERC), 3rd Floor, Chanderlok Building, 36, Janpath, New Delhi 110001   Fax: 91-11-23753923
2. Secretary, SERCs/JERCs of all States (as per the list attached)

Copy to:

1. CMD/MD of all Discoms(as per the list attached)

Format-1 : Consumer affected/interrupted basis on the feeder Reliability Indices (SAFI, SAIDI, CAIDI & MAIFI) for Urban/Rural areas for the period _____ in respect of _____

Targets as per SOP(urban)			SAIFI	SAIDI	CAIDI	MAIFI		Targets as per SOP(rural)			SAIFI	SAIDI	CAIDI	MAIFI
					Calculation for SAIFI, SAIDI, CAIDI						Calculation for MAIFI			
Discom	Name of Circle/ Area	Type of Circle/Areas(Rural /Urban)	Total No of feeders(U/R) in the circle/are	Total Nos of consumers(U/R) in the feeders in the circle/area	Nos of Interruptions(>3min/5min /10min)@	Duration of Interruption considered (>3min /5min /10min)	Nos of consumers in the affected feeders	SAIFI	SAIDI , Minutes	CAIDI , Minutes	Nos of momentary Interruptions(<3min/5min/10min)@	Nos of consumers in the interrupted feeders	MAIFI	
				Ct	Ni	Ti	Ci	ΣNi*Ci/Ct	ΣTi*Ci/Ct	SAIDI/SAIFI	Mi	Ci	ΣMi*Ci/Ct	
		A. Urban Areas												
		B. Rural Areas												

* For information purpose only

Notes

1. Discoms to select the applicable Format (Format-1:consumer interruption basis) or (Format-2: Load interruption basis) while submitting the data as specified in respective SOP order.
2. Targets as fixed by respective SERCs/JERCs may be indicated. If not fixed/available, it may be clearly mentioned.
3. These data formats are required to filled up separately for rural/urban areas/circle or as mentioned in respective SOP.
4. By default, the frequency of data submission is on quarterly basis.
5. Sum of all the interupptions in the feeders should be given in above columns.
6. @Strikeout whichever is not applicable.

Format-2 : Load affected/interrupted basis on the feeder Reliability Indices (SAFI, SAIDI, CAIDI & MAIFI) for Urban/Rural areas for the period _____ in respect of _____

Targets as per SOP(urban)			SAIFI	SAIDI	CAIDI	MAIFI		Targets as per SOP(rural)		SAIFI	SAIDI	CAIDI	MAIFI
				Calculation for SAIFI, SAIDI, CAIDI							Calculation for MAIFI		
Discom	Name of Circle/Area	Type of Circle/Areas(Rural/Urban)	Total No of feeders(U/R) in the circle/area	Total Nos of consumers(U/R) in the feeders in the circle/area*	Total connected load (KW) in the feeders(U/R) in the circle/area	Nos of Interruptions(>3min/ 5min /10min)@	Duration of Interruption considered (>3min	Affected load(KW) in the feeders	SAIFI	SAIDI , Minutes	CAIDI , Minutes	Nos of momentary Interruptions(<3min/5min/10min)	Affected load(KW) in the feeders	MAIFI
				Ct	Lt	Ni	Ti	Li	ΣNi*Li/Lt	ΣTi*Li/Lt	SAIDI/SAIFI	Mi	Li	ΣMi*Li/Lt
		A. Urban Areas												
		B. Rural Areas												

* For information purpose only

Notes

1. Discoms to select the applicable Format (Format-1:consumer interruption basis) or (Format-2: Load interruption basis) while submitting the data as specified in respective SOP order.
2. Targets as fixed by respective SERCs/JERCs may be indicated. If not fixed/available, it may be clearly mentioned.
3. These data formats are required to filled up separately for rural/urban areas/circle or as mentioned in respective SOP.
4. By default, the frequency of data submission is on quarterly basis.
5. Sum of all the interupptions in the feeders should be given in above columns.
6. @Strikeout whichever is not applicable.