

B. E. S. & T. UNDERTAKING

Annexure - IV

Performance Report regarding Reliability Indices

Format for Quarterly (April-2019 to June-2019) Returns to be submitted to the Commission by the Distribution Licensee

(i) System Average Interruption Duration Index (SAIDI)

Sr. No.	Month	Ni = No. of Consumers who experienced a sustained interruption on i th Feeder	Ri = Restoration Time for each interruption event on i th Feeder	Nt = Total No. of consumers of the Distribution Licensee area	Sum (Ri X Ni) for all Feeders excluding agri. Feeders	SAIDI = (6) / (5)
	2	3	4	5	6	7
1	Apr-19	333371	27.82	1036422	9275268	8.95
2	May-19	339296	26.72	1036422	9064982	8.75
3	Jun-19	320547	28.38	1036422	9097282	8.78
TOTAL		993214	27.64	1036422	27437532	26.47

(ii) System Average Interruption Frequency Index (SAIFI)

Sr. No.	Month	Ni = No. of Consumers who experienced a sustained interruption on i th Feeder	Sum of Consumers of i th feeder which had experienced interruptions = Sum Ni	Nt = Total No. of consumers of the Distribution Licensee area	SAIFI = (4) / (5)
	2	3	4	5	6
1	Apr-19	333371	333371	1036422	0.32
2	May-19	339296	339296	1036422	0.33
3	Jun-19	320547	320547	1036422	0.31
TOTAL		993214	993214	1036422	0.96

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
	2	3	4	5
1	Apr-19	8.95	0.32	27.82
2	May-19	8.75	0.33	26.71
3	Jun-19	8.78	0.31	28.38
TOTAL		26.47	0.96	27.62

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Performance Report regarding Reliability Indices

Format for Quarterly (Jan-2019 to March-2019) Returns to be submitted to the Commission by the Distribution Licensee

(i) System Average Interruption Duration Index (SAIDI)Mar-
19

Sr. No.	Month	Ni = No. of Consumers who experienced a sustained interruption on i th Feeder	Ri = Restoration Time for each interruption event on i th Feeder	Nt = Total No. of consumers of the Distribution Licensee area	Sum (Ri X Ni) for all Feeders excluding agri. Feeders	SAIDI = (6) / (5)
	2	3	4	5	6	7
1	Jan-19	190208	28.19	1026337	5362418	5.22
2	Feb-19	207103	27.12	1026337	5616542	5.47
3	Mar-19	231288	25.15	1026337	5817075	5.67
TOTAL		628599	26.82	1026337	16796036	16.37

(ii) System Average Interruption Frequency Index (SAIFI)

Sr. No.	Month	Ni = No. of Consumers who experienced a sustained interruption on i th Feeder	Sum of Consumers of i th feeder which had experienced interruptions = Sum Ni	Nt = Total No. of consumers of the Distribution Licensee area	SAIFI = (4) / (5)
	2	3	4	5	6
1	Jan-19	190208	190208	1026337	0.19
2	Feb-19	207103	207103	1026337	0.20
3	Mar-19	231288	231288	1026337	0.23
TOTAL		628599	628599	1026337	0.61

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
	2	3	4	5
1	Jan-19	5.22	0.19	28.20
2	Feb-19	5.47	0.20	27.12
3	Mar-19	5.67	0.23	25.15
TOTAL		16.37	0.61	26.72

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Performance Report regarding Reliability Indices**Format for Quarterly (Oct.18. - Dec.18) Returns to be submitted to the Commission by the Distribution Licensee****(i) System Average Interruption Duration Index (SAIDI)****Dec-18**

Sr. No.	Month	Ni = No. of Consumers who experienced a sustained interruption on i th Feeder	Ri = Restoration Time for each interruption event on i th Feeder	Nt = Total No. of consumers of the Distribution Licensee area	Sum (Ri X Ni) for all Feeders excluding agri. Feeders	SAIDI = (6) / (5)
	2	3	4	5	6	7
1	Oct.2018	331240	24.43	1026337	8091186	7.88
2	Nov.2018	155269	24.82	1026337	3853156	3.75
3	Dec.- 2018	183592	29.25	1026337	5370235	5.23
TOTAL		670101	26.17	1026337	17314577	16.87

(ii) System Average Interruption Frequency Index (SAIFI)

Sr. No.	Month	Ni = No. of Consumers who experienced a sustained interruption on i th Feeder	Sum of Consumers of i th feeder which had experienced interruptions = Sum Ni	Nt = Total No. of consumers of the Distribution Licensee area	SAIFI = (4) / (5)
	2	3	4	5	6
1	Oct.2018	331240	331240	1026337	0.32
2	Nov.2018	155269	155269	1026337	0.15
3	Dec. 2018	183592	183592	1026337	0.18
TOTAL		670101	670101	1026337	0.65

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
	2	3	4	5
1	Oct.2018	7.88	0.32	24.43
2	Nov. 2018	3.75	0.15	24.81
3	Dec.2018	5.23	0.18	29.25
TOTAL		16.87	0.65	25.84

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Performance Report regarding Reliability Indices**Format for Quarterly (Jul-18 to Sept. -18) Returns to be submitted to the Commission by the Distribution Licensee****(i) System Average Interruption Duration Index (SAIDI)****Sept.18**

Sr. No.	Month	Ni = No. of Consumers who experienced a sustained interruption on i th Feeder	Ri = Restoration Time for each interruption event on i th Feeder	Nt = Total No. of consumers of the Distribution Licensee area	Sum (Ri X Ni) for all Feeders excluding agri. Feeders	SAIDI = (6) / (5)
	2	3	4	5	6	7
1	Jul-18	300861	28.20	1026337	8483989	8.27
2	Aug-18	166076	29.20	1026337	4849530	4.73
3	Sep-18	269216	22.19	1026337	5974166	5.82
TOTAL		736153	26.53	1026337	19307685	18.81

(ii) System Average Interruption Frequency Index (SAIFI)

Sr. No.	Month	Ni = No. of Consumers who experienced a sustained interruption on i th Feeder	Sum of Consumers of i th feeder which had experienced interruptions = Sum Ni	Nt = Total No. of consumers of the Distribution Licensee area	SAIFI = (4) / (5)
	2	3	4	5	6
1	Jul-18	300861	300861	1026337	0.29
2	Aug-18	166076	166076	1026337	0.16
3	Sep-18	269216	269216	1026337	0.26
TOTAL		736153	736153	1026337	0.72

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
1	2	3	4	5
1	Jul-18	8.27	0.29	28.20
2	Aug-18	4.73	0.16	29.20
3	Sept.18	5.82	0.26	22.19
TOTAP		18.81	0.72	26.23

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**Performance Report regarding Reliability Indices
Format for Quarterly Returns to be submitted to the Commission by the Distribution Licensee**

(i) System Average Interruption Duration Index (SAIDI)

Jun-18

Sr. No.	Month	Ni = No. of Consumers who experienced a sustained interruption on i th Feeder	Ri = Restoration Time for each interruption event on i th Feeder	Nt = Total No. of consumers of the Distribution Licensee area	Sum (Ri X Ni) for all Feeders excluding agri. Feeders	SAIDI = (6) / (5)
	2	3	4	5	6	7
1	Apr-18	331997	25.91	1026337	8601339	8.38
2	May-18	273014	20.86	1026337	5693889	5.55
3	Jun-18	346685	23.68	1026337	8207969	8.00
Total		951696	23.48	1026337	22503197	21.93

(ii) System Average Interruption Frequency Index (SAIFI)

Sr. No.	Month	Ni = No. of Consumers who experienced a sustained interruption on i th Feeder	Sum of Consumers of i th feeder which had experienced interruptions = Sum Ni	Nt = Total No. of consumers of the Distribution Licensee area	SAIFI = (4) / (5)
	2	3	4	5	6
1	Apr-18	331997	331997	1026337	0.32
2	May-18	273014	273014	1026337	0.27
3	Jun-18	346685	346685	1026337	0.34
Total		951696	951696	1026337	0.93

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
	2	3	4	5
1	Apr-18	8.38	0.32	25.91
2	May-18	5.55	0.27	20.86
3	Jun-18	8.00	0.34	23.67
Total		21.93	0.93	23.64

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Performance Report regarding Reliability Indices
Format for Quarterly Returns to be submitted to the Commission by the Distribution Licensee

(i) System Average Interruption Duration Index (SAIDI)

April 2017 to
March 2018

Sr. No.	Month	Ni = No. of Consumers who experienced a sustained interruption on i th Feeder	Ri = Restoration Time for each interruption event on i th Feeder	Nt = Total No. of consumers of the Distribution Licensee area	Sum (Ri X Ni) for all Feeders excluding agri. Feeders	SAIDI = (6) / (5)
	2	3	4	5	6	7
1	Apr-17	254114	27.19	1014753	6908519	6.81
2	May-17	199654	29.78	1015568	5945088	5.85
3	Jun-17	286662	23.90	1015329	6850034	6.75
4	Jul-17	305194	30.16	1014753	9203323	9.07
5	Aug-17	230291	28.48	1014753	6558182	6.46
6	Sep-17	306926	29.77	1014753	9137037	9.00
7	Oct-17	232070	27.08	1014753	6283760	6.19
8	Nov-17	220890	23.48	1014753	5187263	5.11
9	Dec-17	225372	23.63	1014753	5324677	5.25
10	Jan-18	240419	24.71	1014753	5941818	5.86
11	Feb-18	214096	27.70	1014753	5931324	5.85
12	Mar-18	301361	21.96	1014753	6618657	6.52
Total		3017049	317.83	1014753	79889683	78.72

(ii) System Average Interruption Frequency Index (SAIFI)

Sr. No.	Month	Ni = No. of Consumers who experienced a sustained interruption on i th Feeder	Sum of Consumers of i th feeder which had experienced interruptions = Sum Ni	Nt = Total No. of consumers of the Distribution Licensee area	SAIFI = (4) / (5)
	2	3	4	5	6
1	Apr-17	254114	254114	1014753	0.25
2	May-17	199654	199654	1015568	0.20
3	Jun-17	286662	286662	1015329	0.28
4	Jul-17	305194	305194	1014753	0.30
5	Aug-17	230291	230291	1014753	0.23
6	Sep-17	306926	306926	1014753	0.30

7	Oct-17	232070	232070	1014753	0.23
8	Nov-17	220890	220890	1014753	0.22
9	Dec-17	225372	225372	1014753	0.22
10	Jan-18	240419	240419	1014753	0.24
11	Feb-18	214096	214096	1014753	0.21
12	Mar-18	301361	301361	1014753	0.30
Total		3017049	3017049	1014753	2.97

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
	2	3	4	5
1	Apr-17	6.81	0.25	27.19
2	May-17	5.85	0.20	29.76
3	Jun-17	6.75	0.28	23.91
4	Jul-17	9.07	0.30	30.16
5	Aug-17	6.46	0.23	28.47
6	Sep-17	9.00	0.30	29.76
7	Oct-17	6.19	0.23	27.07
8	Nov-17	5.11	0.22	23.47
9	Dec-17	5.25	0.22	23.64
10	Jan-18	5.86	0.24	24.73
11	Feb-18	5.85	0.21	27.73
12	Mar-18	6.52	0.30	21.95
Total		78.72	2.97	26.48