

B. E. S. & T. UNDERTAKING

Annexure - IV

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 2018 to March 2019

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
4	Jul-18	300861	28.20	1026337	8483989	8.27
5	Aug-18	166076	29.20	1026337	4849530	4.73
6	Sep-18	269216	22.19	1026337	5974166	5.82
7	Oct-18	331240	24.43	1026337	8091186	7.88
8	Nov-18	155269	24.82	1026337	3853156	3.75
9	Dec-18	183592	29.25	1026337	5370235	5.23
10	Jan-19	190208	28.19	1026337	5362418	5.22
11	Feb-19	207103	27.12	1026337	5616542	5.47
12	Mar-19	231288	25.15	1026337	5817075	5.67
	Total	2986549	25.42	1026337	75921495	73.97

(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
4	Jul-18	300861	300861	1026337	0.29
5	Aug-18	166076	166076	1026337	0.16
6	Sep-18	269216	269216	1026337	0.26
7	Oct-18	331240	331240	1026337	0.32
8	Nov-18	155269	155269	1026337	0.15
9	Dec-18	183592	183592	1026337	0.18
10	Jan-19	190208	190208	1026337	0.19
11	Feb-19	207103	207103	1026337	0.20
12	Mar-19	231288	231288	1026337	0.23
	Total	2986549	2986549	1026337	2.91

(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	23.68
4	Jul-18	8.27	0.29	28.20
5	Aug-18	4.73	0.16	29.20
6	Sep-18	5.82	0.26	22.19
7	Oct-18	7.88	0.32	24.43
8	Nov-18	3.75	0.15	24.82
9	Dec-18	5.23	0.18	29.25
10	Jan-19	5.22	0.19	28.19
11	Feb-19	5.47	0.20	27.12
12	Mar-19	5.67	0.23	25.15
	Total	73.97	2.91	25.42