

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 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