

Annexure-IV

Performance Report regarding Reliability Indices : Year 2017-2018

(1) System Average Interruption Duration Index (SAIDI)

Sr.No.	Month	Ni = Number of consumers who experienced a sustained interruption on ith feeder	Ri = Restoration time for each interruption event on ith feeder	Nt = Total number of consumers of the distribution Licensees area	Sum(Ri*Ni) for all feeders (excluding agri. Feeders)	SAIDI = (6)/(5)(In minutes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Apr-17	635383	30.83	2976898	19591155	6.5811
2	May-17	750932	41.61	2980010	31244738	10.4848
3	Jun-17	322884	36.26	2984869	11708923	3.9228
4	Jul-17	186052	40.22	2988544	7482333	2.5037
5	Aug-17	155433	40.79	2993668	6339704	2.1177
6	Sep-17	371106	30.49	2996751	11313839	3.7754
7	Oct-17	253040	30.15	2998312	7628903	2.5444
8	Nov-17	308294	28.45	3000526	8770964	2.9231
9	Dec-17	289223	34.43	3003022	9957948	3.3160
10	Jan-18	383851	31.23	3003371	11986822	3.9911
11	Feb-18	436053	34.59	3006414	15081986	5.0166
12	Mar-18	556208	48.83	3009631	27161511	9.0249
	Total	4648459	36.20	3009631	168268828	55.9101

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(2) System Average Interruption Frequency Index (SAIFI)

Sr.No.	Interruption Month	Ni = Number of consumers who experienced a sustained interruption on ith feeder	Sum of consumers of i feeders which had experienced interruptions = Sum Ni	Nt = Total number of consumers of the distribution Licensees area	SAIFI = (4) / (5) (Events)
(1)	(2)	(3)	(4)	(5)	(6)
1	Apr-17	635383	635383	2976898	0.2134
2	May-17	750932	750932	2980010	0.2520
3	Jun-17	322884	322884	2984869	0.1082
4	Jul-17	186052	186052	2988544	0.0623
5	Aug-17	155433	155433	2993668	0.0519
6	Sep-17	371106	371106	2996751	0.1238
7	Oct-17	253040	253040	2998312	0.0844
8	Nov-17	308294	308294	3000526	0.1027
9	Dec-17	289223	289223	3003022	0.0963
10	Jan-18	383851	383851	3003371	0.1278
11	Feb-18	436053	436053	3006414	0.1450
12	Mar-18	556208	556208	3009631	0.1848
	Total	4648459	4648459	3009631	1.5445

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(3) Customer Average Interruption Duration Index (CAIDI)

Sr.No.	Interruption Month	SAIDI	SAIFI	SAIDI/SAIFI (CAIDI in Minutes)
(1)	(2)	(3)	(4)	(5)
1	Apr-17	6.5811	0.2134	30.8336
2	May-17	10.4848	0.2520	41.6079
3	Jun-17	3.9228	0.1082	36.2636
4	Jul-17	2.5037	0.0623	40.2164
5	Aug-17	2.1177	0.0519	40.7874
6	Sep-17	3.7754	0.1238	30.4868
7	Oct-17	2.5444	0.0844	30.1490
8	Nov-17	2.9233	0.1022	28.6037
9	Dec-17	3.3160	0.0963	34.4341
10	Jan-18	3.9911	0.1278	31.2293
11	Feb-18	5.0166	0.1450	34.5875
12	Mar-18	9.0249	0.1848	48.8334
	Total	55.9101	1.5445	36.1988

