

B. E. S. & T. UNDERTAKING

Annexure - VII

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

(i) System Average Interruption Duration Index (SAIDI)

April 22 to March 23

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-22	315033	34.59	1047369	10897783	10.40
2	May-22	285486	29.60	1047369	8451751	8.07
3	Jun-22	202001	28.55	1047369	5767536	5.51
4	Jul-22	232767	26.68	1047369	6211242	5.93
5	Aug-22	196977	23.14	1047369	4557672	4.35
6	Sep-22	143191	26.67	1047369	3818653	3.65
7	Oct-22	202822	33.48	1047369	6790108	6.48
8	Nov-22	124868	30.84	1047369	3851516	3.68
9	Dec-22	140529	30.90	1047369	4342424	4.15
10	Jan-23	203937	25.74	1047369	5248453	5.01
11	Feb-23	147062	28.98	1047369	4262488	4.07
12	Mar-23	236416	28.40	1047369	6714676	6.41
Total						67.71

(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-22	315033	315033	1047369	0.30
2	May-22	285486	285486	1047369	0.27
3	Jun-22	202001	202001	1047369	0.19
4	Jul-22	232767	232767	1047369	0.22
5	Aug-22	196977	196977	1047369	0.19
6	Sep-22	143191	143191	1047369	0.14
7	Oct-22	202822	202822	1047369	0.19
8	Nov-22	124868	124868	1047369	0.12
9	Dec-22	140529	140529	1047369	0.13
10	Jan-23	203937	203937	1047369	0.19
11	Feb-23	147062	147062	1047369	0.14
12	Mar-23	236416	236416	1047369	0.23
Total					2.32

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April 22 to March 23

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
1	2	3	4	5
1	Apr-22	10.40	0.30	34.59
2	May-22	8.07	0.27	29.60
3	Jun-22	5.51	0.19	28.55
4	Jul-22	5.93	0.22	26.68
5	Aug-22	4.35	0.19	23.14
6	Sep-22	3.65	0.14	26.67
7	Oct-22	6.48	0.19	33.48
8	Nov-22	3.68	0.12	30.84
9	Dec-22	4.15	0.13	30.90
10	Jan-23	5.01	0.19	25.74
11	Feb-23	4.07	0.14	28.98
12	Mar-23	6.41	0.23	28.40
	Total	67.71	2.32	29.17

iv) Customer Average Interruption Duration Index (CAIDI) For HT consumer

Sr. no.	Month	Ni=Number of Consumer who experienced a sustained interruption	Ri=Restoration time for each interruption event of HT Consumers	Sum, (Ri*Ni) for all HT Consumers	CAIDI=(5)/(3)
(1)	(2)	(3)	(4)	(5)	(6)
1	Apr-22	50	31.68	1584	31.68
2	May-22	42	32.52	1366	32.52
3	Jun-22	25	25.88	647	25.88
4	Jul-22	43	22.63	973	22.63
5	Aug-22	36	20.94	754	20.94
6	Sep-22	20	31.30	626	31.30
7	Oct-22	42	41.02	1723	41.02
8	Nov-22	28	36.11	1011	36.11
9	Dec-22	21	26.10	548	26.10
10	Jan-23	37	24.24	897	24.24
11	Feb-23	33	24.03	793	24.03
12	Mar-23	24	35.17	844	35.17
	Total	401		11766	29.34