

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 23 to March 24

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-23	271754	31.02	1047987	8429295	8.04
2	May-23	303882	26.84	1047987	8155133	7.78
3	Jun-23	228699	23.98	1047987	5484146	5.23
4	Jul-23	206221	27.94	1047987	5760980	5.50
5	Aug-23	199212	25.46	1047987	5072646	4.84
6	Sep-23	123966	28.14	1047987	3488756	3.33
7	Oct-23	212918	31.88	1047987	6787123	6.48
8	Nov-23	105866	28.87	1047987	3056133	2.92
9	Dec-23	142837	26.68	1047987	3810322	3.64
10	Jan-24	153991	28.13	1047987	4331769	4.13
11	Feb-24	122282	29.21	1047987	3571633	3.41
12	Mar-24	197755	31.14	1047987	6158476	5.88
Total						61.17

(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-23	271754	271754	1047987	0.26
2	May-23	303882	303882	1047987	0.29
3	Jun-23	228699	228699	1047987	0.22
4	Jul-23	206221	206221	1047987	0.20
5	Aug-23	199212	199212	1047987	0.19
6	Sep-23	123966	123966	1047987	0.12
7	Oct-23	212918	212918	1047987	0.20
8	Nov-23	105866	105866	1047987	0.10
9	Dec-23	142837	142837	1047987	0.14
10	Jan-24	153991	153991	1047987	0.15
11	Feb-24	122282	122282	1047987	0.12
12	Mar-24	197755	197755	1047987	0.19
Total					2.17

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

April 23 to March 24

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
1	2	3	4	5
1	Apr-23	8.04	0.26	31.02
2	May-23	7.78	0.29	26.84
3	Jun-23	5.23	0.22	23.98
4	Jul-23	5.50	0.20	27.94
5	Aug-23	4.84	0.19	25.46
6	Sep-23	3.33	0.12	28.14
7	Oct-23	6.48	0.20	31.88
8	Nov-23	2.92	0.10	28.87
9	Dec-23	3.64	0.14	26.68
10	Jan-24	4.13	0.15	28.13
11	Feb-24	3.41	0.12	29.21
12	Mar-24	5.88	0.19	31.14
Total		61.17	2.17	28.25

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-23	21	44.48	934	44.48
2	May-23	39	27.46	1071	27.46
3	Jun-23	27	25.00	675	25.00
4	Jul-23	36	27.36	985	27.36
5	Aug-23	36	28.61	1030	28.61
6	Sep-23	26	33.62	874	33.62
7	Oct-23	33	22.70	749	22.70
8	Nov-23	31	30.26	938	30.26
9	Dec-23	17	44.29	753	44.29
10	Jan-24	28	29.54	827	29.54
11	Feb-24	25	40.88	1022	40.88
12	Mar-24	29	30.93	897	30.93
Total		348		10755	30.91

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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)**

January 24 to March 24

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)
(1)	2	3	4	5	6	7
1	Jan-24	153991	28.13	1047987	4331769	4.13
2	Feb-24	122282	29.21	1047987	3571633	3.41
3	Mar-24	197755	31.14	1047987	6158476	5.88
Total						13.42

(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)
(1)	2	3	4	5	6
1	Jan-24	153991	153991	1047987	0.15
2	Feb-24	122282	122282	1047987	0.12
3	Mar-24	197755	197755	1047987	0.19
Total					0.45

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
(1)	2	3	4	5
1	Jan-24	4.13	0.15	28.13
2	Feb-24	3.41	0.12	29.21
3	Mar-24	5.88	0.19	31.14
Total		13.42	0.45	29.66

(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	Jan-24	28	29.54	827	29.54
2	Feb-24	25	40.88	1022	40.88
3	Mar-24	29	30.93	897	30.93
Total		82		2746	33.49

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(i) System Average Interruption Duration Index (SAIDI)

October 2023 to December 2023

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)
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
1	Oct-23	212918	31.88	1047987	6787123	6.48
2	Nov-23	105866	28.87	1047987	3056133	2.92
3	Dec-23	142837	26.68	1047987	3810322	3.64
Total						13.03

(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)
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>
1	Oct-23	212918	212918	1047987	0.20
2	Nov-23	105866	105866	1047987	0.10
3	Dec-23	142837	142837	1047987	0.14
Total					0.44

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
1	Oct-23	6.48	0.20	31.88
2	Nov-23	2.92	0.10	28.87
3	Dec-23	3.64	0.14	26.68
Total		13.03	0.44	29.58

(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)
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>	<u>(6)</u>
1	Oct-23	33	22.70	749	22.70
2	Nov-23	31	30.26	938	30.26
3	Dec-23	17	44.29	753	44.29
Total		81		2440	30.12

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(i) System Average Interruption Duration Index (SAIDI)

July 23 to September 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)
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
1	Jul-23	206221	27.94	1047987	5760980	5.50
2	Aug-23	199212	25.46	1047987	5072646	4.84
3	Sep-23	123966	28.14	1047987	3488756	3.33
Total						13.67

(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)
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>
1	Jul-23	206221	206221	1047987	0.20
2	Aug-23	199212	199212	1047987	0.19
3	Sep-23	123966	123966	1047987	0.12
Total					0.51

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
1	Jul-23	5.50	0.20	27.94
2	Aug-23	4.84	0.19	25.46
3	Sep-23	3.33	0.12	28.14
Total		13.67	0.51	27.05

(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	
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>	<u>(6)</u>
1	Jul-23	36	27.36	985	27.36
2	Aug-23	36	28.61	1030	28.61
3	Sep-23	26	33.62	874	33.62
Total		98		2889	29.48

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Format for Quarterly Returns to be submitted to the Commission by the Distribution Licensee**

(i) System Average Interruption Duration Index (SAIDI)

April 23 to June 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)
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>	<u>(6)</u>	<u>(7)</u>
1	Apr-23	271754	31.02	1047987	8429295	8.04
2	May-23	303882	26.84	1047987	8155133	7.78
3	Jun-23	228699	23.98	1047987	5484146	5.23
Total						21.06

(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)
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>	<u>(6)</u>
1	Apr-23	271754	271754	1047987	0.26
2	May-23	303882	303882	1047987	0.29
3	Jun-23	228699	228699	1047987	0.22
Total					0.77

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>
1	Apr-23	8.04	0.26	31.02
2	May-23	7.78	0.29	26.84
3	Jun-23	5.23	0.22	23.98
Total		21.06	0.77	27.44

(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	
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>	<u>(6)</u>
1	Apr-23	21	44.48	934	44.48
2	May-23	39	27.46	1071	27.46
3	Jun-23	27	25.00	675	25.00
Total		87		2680	30.80

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(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

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(i) System Average Interruption Duration Index (SAIDI)

January 23 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)
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
1	Jan-23	203937	25.74	1047369	5248453	5.01
2	Feb-23	147062	28.98	1047369	4262488	4.07
3	Mar-23	236416	28.40	1047369	6714676	6.41
Total						15.49

(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)
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>
1	Jan-23	203937	203937	1047369	0.19
2	Feb-23	147062	147062	1047369	0.14
3	Mar-23	236416	236416	1047369	0.23
Total					0.56

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
1	Jan-23	5.01	0.19	25.74
2	Feb-23	4.07	0.14	28.98
3	Mar-23	6.41	0.23	28.40
Total		15.49	0.56	27.62

(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)
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>	<u>(6)</u>
1	Jan-23	37	24.24	897	24.24
2	Feb-23	33	24.03	793	24.03
3	Mar-23	24	35.17	844	35.17
Total		94		2534	26.96

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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-22	202822	33.48	1047369	6790108	6.48
2	Nov-22	124868	30.84	1047369	3851516	3.68
3	Dec-22	140529	30.90	1047369	4342424	4.15
Total						14.31

(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-22	202822	202822	1047369	0.19
2	Nov-22	124868	124868	1047369	0.12
3	Dec-22	140529	140529	1047369	0.13
Total					0.45

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
	2	3	4	5
1	Oct-22	6.48	0.19	33.48
2	Nov-22	3.68	0.12	30.84
3	Dec-22	4.15	0.13	30.90
Total		14.31	0.45	32.00

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)
	2	3	4	5	6
1	Oct-22	42	41.02	1723	41.02
2	Nov-22	28	36.11	1011	36.11
3	Dec-22	21	26.1	548	26.1
Total		91		3282	36.07

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(i) System Average Interruption Duration Index (SAIDI)

July 22 to September 22

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)
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
1	Jul-22	232767	26.68	1047369	6211242	5.93
2	Aug-22	196977	23.14	1047369	4557672	4.35
3	Sep-22	143191	26.67	1047369	3818653	3.65
Total						13.93

(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)
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>
1	Jul-22	232767	232767	1047369	0.22
2	Aug-22	196977	196977	1047369	0.19
3	Sep-22	143191	143191	1047369	0.14
Total					0.55

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
1	Jul-22	5.93	0.22	26.68
2	Aug-22	4.35	0.19	23.14
3	Sep-22	3.65	0.14	26.67
Total		13.93	0.55	25.46

(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	
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>	<u>(6)</u>
1	Jul-22	43	22.63	973	22.63
2	Aug-22	36	20.94	754	20.94
3	Sep-22	20	31.30	626	31.30
Total		99		2353	23.77

B. E. S. & T. UNDERTAKING

Annexure - VII

**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 22 to June 22

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)
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
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
Total						23.98

(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)
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>
1	Apr-22	315033	315033	1047369	0.30
2	May-22	285486	285486	1047369	0.27
3	Jun-22	202001	202001	1047369	0.19
Total					0.77

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
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
Total		23.98	0.77	31.30

(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)
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>	<u>(6)</u>
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
Total		117		3597	30.74

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)

Apr 21 to Mar 22

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-21	246952	24.33	1043163	6007800	5.76
2	May-21	289864	22.73	1043163	6589917	6.32
3	Jun-21	316824	24.34	1043163	7712838	7.39
4	Jul-21	258889	24.01	1043163	6217176	5.96
5	Aug-21	252637	28.70	1043163	7251162	6.95
6	Sep-21	203330	23.95	1043163	4869146	4.67
7	Oct-21	191525	27.85	1043163	5333721	5.11
8	Nov-21	202157	24.90	1043163	5033506	4.83
9	Dec-21	237799	26.36	1043163	6268283	6.01
10	Jan-22	212981	24.43	1043163	5202137	4.99
11	Feb-22	195279	31.63	1043163	6177392	5.92
12	Mar-22	258600	26.85	1043163	6942177	6.65
Total						70.56

(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-21	246952	246952	1043163	0.24
2	May-21	289864	289864	1043163	0.28
3	Jun-21	316824	316824	1043163	0.30
4	Jul-21	258889	258889	1043163	0.25
5	Aug-21	252637	252637	1043163	0.24
6	Sep-21	203330	203330	1043163	0.19
7	Oct-21	191525	191525	1043163	0.18
8	Nov-21	202157	202157	1043163	0.19
9	Dec-21	237799	237799	1043163	0.23
10	Jan-22	212981	212981	1043163	0.20
11	Feb-22	195279	195279	1043163	0.19
12	Mar-22	258600	258600	1043163	0.25
Total					2.75

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**

Apr 21 to Mar 22

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
1	2	3	4	5
1	Apr-21	5.76	0.24	24.33
2	May-21	6.32	0.28	22.73
3	Jun-21	7.39	0.30	24.34
4	Jul-21	5.96	0.25	24.01
5	Aug-21	6.95	0.24	28.70
6	Sep-21	4.67	0.19	23.95
7	Oct-21	5.11	0.18	27.85
8	Nov-21	4.83	0.19	24.90
9	Dec-21	6.01	0.23	26.36
10	Jan-22	4.99	0.20	24.43
11	Feb-22	5.92	0.19	31.63
12	Mar-22	6.65	0.25	26.85
Total		70.56	2.75	25.67

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-21	51	23.16	1181	23.16
2	May-21	45	22.00	990	22.00
3	Jun-21	44	24.41	1074	24.41
4	Jul-21	47	28.85	1356	28.85
5	Aug-21	30	30.17	905	30.17
6	Sep-21	28	27.61	773	27.61
7	Oct-21	37	27.32	1011	27.32
8	Nov-21	32	35.13	1124	35.13
9	Dec-21	39	26.13	1019	26.13
10	Jan-22	38	24.03	913	24.03
11	Feb-22	29	27.48	797	27.48
12	Mar-22	32	27.53	881	27.53
Total		452		12019	26.59

B. E. S. & T. UNDERTAKING

Annexure - VII

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)

January 22 to March 22

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)
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
1	Jan-22	212981	24.43	1043163	5202137	4.99
2	Feb-22	195279	31.63	1043163	6177392	5.92
3	Mar-22	258600	26.85	1043163	6942177	6.65
Total						17.56

(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)
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>
1	Jan-22	212981	212981	1043163	0.20
2	Feb-22	195279	195279	1043163	0.19
3	Mar-22	258600	258600	1043163	0.25
Total					0.64

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
1	Jan-22	4.99	0.20	24.43
2	Feb-22	5.92	0.19	31.63
3	Mar-22	6.65	0.25	26.85
Total		17.56	0.64	27.47

(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)
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>	<u>(6)</u>
1	Jan-22	38	24.03	913	24.03
2	Feb-22	29	27.48	797	27.48
3	Mar-22	32	27.53	881	27.53
Total		99		2591	26.17

B. E. S. & T. UNDERTAKING

Annexure - VII

**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)

October 21 to December 21

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)
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
1	Oct-21	191525	27.85	1043163	5333721	5.11
2	Nov-21	202157	24.90	1043163	5033506	4.83
3	Dec-21	237799	26.36	1043163	6268283	6.01
Total						15.95

(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)
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>
1	Oct-21	191525	191525	1043163	0.18
2	Nov-21	202157	202157	1043163	0.19
3	Dec-21	237799	237799	1043163	0.23
Total					0.61

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
1	Oct-21	5.11	0.18	27.85
2	Nov-21	4.83	0.19	24.90
3	Dec-21	6.01	0.23	26.36
Total		15.95	0.61	26.15

(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)
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>	<u>(6)</u>
1	Oct-21	37	27.32	1011	27.32
2	Nov-21	32	35.13	1124	35.13
3	Dec-21	39	26.13	1019	26.13
Total		108		3154	29.20

B. E. S. & T. UNDERTAKING

Annexure - VII

**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)

July 21 to September 21

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)
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
1	Jul-21	258889	24.01	1043163	6217176	5.96
2	Aug-21	252637	28.70	1043163	7251162	6.95
3	Sep-21	203330	23.95	1043163	4869146	4.67
Total		714856	25.65	1043163	18337484	17.58

(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)
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>
1	Jul-21	258889	258889	1043163	0.25
2	Aug-21	252637	252637	1043163	0.24
3	Sep-21	203330	203330	1043163	0.19
Total		714856	714856	1043163	0.69

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
<u>(1)</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
1	Jul-21	5.96	0.25	24.01
2	Aug-21	6.95	0.24	28.70
3	Sep-21	4.67	0.19	23.95
Total		17.58	0.69	25.65

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)
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>	<u>(6)</u>
1	Jul-21	47	28.85	1356	28.85
2	Aug-21	30	30.17	905	30.17
3	Sep-21	28	27.61	773	27.61
Total		105	28.90	3034	28.90

B. E. S. & T. UNDERTAKING

Annexure - VII

**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 21 to June 21

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)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Apr-21	246952	24.33	1043163	6007800	5.76
2	May-21	289864	22.73	1043163	6589917	6.32
3	Jun-21	316824	24.34	1043163	7712838	7.39
Total		853640	23.79	1043163	20310555	19.47

(ii) System Average Interruption Frequency Index (SAIFI)

April 21 to June 21

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)
(1)	(2)	(3)	(4)	(5)	(6)
1	Apr-21	246952	246952	1043163	0.24
2	May-21	289864	289864	1043163	0.28
3	Jun-21	316824	316824	1043163	0.30
Total		853640	853640	1043163	0.82

(iii) Consumer Average Interruption Duration Index (CAIDI)

April 21 to June 21

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
(1)	(2)	(3)	(4)	(5)
1	Apr-21	5.76	0.24	24.33
2	May-21	6.32	0.28	22.73
3	Jun-21	7.39	0.30	24.34
Total		19.47	0.82	23.79

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

April 21 to June 21

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-21	51	23.16	1181	23.16
2	May-21	45	22.00	990	22.00
3	Jun-21	44	24.41	1074	24.41
Total		140	23.14	3240	23.14

B. E. S. & T. UNDERTAKING

Appendix 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 2020 to March 2021

Sr. No.	Month	Ni = No. of Consumers who experienced a sustained interruption on ⁱ Feeder	Ri = Restoration Time for each interruption event on ⁱ 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	
1	Apr-20	242388	22.76	1039645	5516211	5.31
2	May-20	193201	22.32	1039645	4312431	4.15
3	Jun-20	212737	21.05	1039645	4477302	4.31
4	Jul-20	250327	25.54	1039645	6392678	6.15
5	Aug-20	305366	26.56	1039645	8110217	7.80
6	Sep-20	288859	25.34	1039645	7320720	7.04
7	Oct-20	286232	27.06	1039645	7744623	7.45
8	Nov-20	122284	22.30	1039645	2726722	2.62
9	Dec-20	136925	23.85	1039645	3265301	3.14
10	Jan-21	188995	22.28	1039645	4210329	4.05
11	Feb-21	231877	20.40	1039645	4731063	4.55
12	Mar-21	278643	23.96	1039645	6676093	6.42
Total		2737834	23.92	1039645	65483690	62.99

(ii) System Average Interruption Frequency Index (SAIFI)

Sr. No.	Month	Ni = No. of Consumers who experienced a sustained interruption on ⁱ Feeder	Sum of Consumers of ⁱ 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-20	242388	242388	1039645	0.23
2	May-20	193201	193201	1039645	0.19
3	Jun-20	212737	212737	1039645	0.20
4	Jul-20	250327	250327	1039645	0.24
5	Aug-20	305366	305366	1039645	0.29
6	Sep-20	288859	288859	1039645	0.28
7	Oct-20	286232	286232	1039645	0.28
8	Nov-20	122284	122284	1039645	0.12
9	Dec-20	136925	136925	1039645	0.13
10	Jan-21	188995	188995	1039645	0.18
11	Feb-21	231877	231877	1039645	0.22
12	Mar-21	278643	278643	1039645	0.27
Total		2737834	2737834	1039645	2.63

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
	2	3	4	5
1	Apr-20	5.31	0.23	22.76
2	May-20	4.15	0.19	22.32
3	Jun-20	4.31	0.20	21.05
4	Jul-20	6.15	0.24	25.54
5	Aug-20	7.80	0.29	26.56
6	Sep-20	7.04	0.28	25.34
7	Oct-20	7.45	0.28	27.06
8	Nov-20	2.62	0.12	22.30
9	Dec-20	3.14	0.13	23.85
10	Jan-21	4.05	0.18	22.28
11	Feb-21	4.55	0.22	20.40
12	Mar-21	6.42	0.27	23.96
Total		62.99	2.63	23.92

S. No. 20

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)

JANUARY TO MARCH 2021

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. 21	188995	22.28	1039645	4210329	4.05
2	Feb. 21	231877	20.40	1039645	4731063	4.55
3	Mar.21	278643	23.96	1039645	6676093	6.42
Total		699515	22.33	1039645	15617484	15.02

(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. 21	188995	188995	1039645	0.18
2	Feb. 21	231877	231877	1039645	0.22
3	Mar.21	278643	278643	1039645	0.27
Total		699515	699515	1039645	0.67

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
	2	3	4	5
1	Jan. 21	4.05	0.18	22.28
2	Feb. 21	4.55	0.22	20.40
3	Mar.21	6.42	0.27	23.96
Total		15.02	0.67	22.33

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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)

October 2020 to December 2020 (QTR-III of FY 2020-21)

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-20	286232	27.06	1039645	7744623	7.45
2	Nov-20	122284	22.30	1039645	2726722	2.62
3	Dec-20	136925	23.85	1039645	3265301	3.14
Total		545441	25.18	1039645	13736646	13.21

(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-20	286232	286232	1039645	0.28
2	Nov-20	122284	122284	1039645	0.12
3	Dec-20	136925	136925	1039645	0.13
Total		545441	545441	1039645	0.52

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
	2	3	4	5
1	Oct-20	7.45	0.28	27.06
2	Nov-20	2.62	0.12	22.30
3	Dec-20	3.14	0.13	23.85
Total		13.21	0.52	25.18

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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)

Q II of FY 2020-21 i.e. July 20 to September 2020

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-20	250327	25.54	1039645	6392678	6.15
2	Aug-20	305366	26.56	1039645	8110217	7.80
3	Sep-20	288859	25.34	1039645	7320720	7.04
Total		844552	25.84	1039645	21823616	20.99

(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-20	250327	250327	1039645	0.24
2	Aug-20	305366	305366	1039645	0.29
3	Sep-20	288859	288859	1039645	0.28
Total		844552	844552	1039645	0.81

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
1	2	3	4	5
1	Jul-20	6.15	0.24	25.54
2	Aug-20	7.80	0.29	26.56
3	Sep-20	7.04	0.28	25.34
Total		20.99	0.81	25.84

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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 to June (Q-I of FY 2020-21)

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-20	242388	22.76	1039645	5516211	5.31
2	May-20	193201	22.32	1039645	4312431	4.15
3	Jun-20	212737	21.05	1039645	4477302	4.31
Total		648326	22.07	1039645	14305944	13.76

(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-20	242388	242388	1039645	0.23
2	May-20	193201	193201	1039645	0.19
3	Jun-20	212737	212737	1039645	0.20
Total		648326	648326	1039645	0.62

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
	2	3	4	5
1	Apr-20	5.31	0.23	22.76
2	May-20	4.15	0.19	22.32
3	Jun-20	4.31	0.20	21.05
Total		13.76	0.62	22.07

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Annexure - IV

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

(i) System Average Interruption Duration Index (SAIDI)

April 2019 to March 2020

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
4	Jul-19	326530	27.48	1036422	8972905	8.66
5	Aug-19	195394	25.83	1036422	5047994	4.87
6	Sep-19	267243	21.78	1036422	5820183	5.62
7	Oct-19	228760	27.08	1036422	6193817	5.98
8	Nov-19	268138	18.75	1036422	5026693	4.85
9	Dec-19	192754	22.63	1036422	4361775	4.21
10	Jan-20	141831	23.41	1036422	3320687	3.20
11	Feb-20	173767	23.48	1036422	4079789	3.94
12	Mar-20	198646	21.23	1036422	4217846	4.07
Total		2986277	24.94	1036422	74479222	71.86

(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
4	Jul-19	326530	326530	1036422	0.32
5	Aug-19	195394	195394	1036422	0.19
6	Sep-19	267243	267243	1036422	0.26
7	Oct-19	228760	228760	1036422	0.22
8	Nov-19	268138	268138	1036422	0.26
9	Dec-19	192754	192754	1036422	0.19
10	Jan-20	141831	141831	1036422	0.14
11	Feb-20	173767	173767	1036422	0.17
12	Mar-20	198646	198646	1036422	0.19
Total		2986277	2986277	1036422	2.88

(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	26.72
3	Jun-19	8.78	0.31	28.38
4	Jul-19	8.66	0.32	27.48
5	Aug-19	4.87	0.19	25.83
6	Sep-19	5.62	0.26	21.78
7	Oct-19	5.98	0.22	27.08
8	Nov-19	4.85	0.26	18.75
9	Dec-19	4.21	0.19	22.63
10	Jan-20	3.20	0.14	23.41
11	Feb-20	3.94	0.17	23.48
12	Mar-20	4.07	0.19	21.23
Total		71.86	2.88	24.94

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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)

January 2020 to March 2020

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-20	141831	23.41	1036422	3320687	3.20
2	Feb-20	173767	23.48	1036422	4079789	3.94
3	Mar-20	198646	21.23	1036422	4217846	4.07
Total		514244	22.59	1036422	11618322	11.21

(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-20	141831	141831	1036422	0.14
2	Feb-20	173767	173767	1036422	0.17
3	Mar-20	198646	198646	1036422	0.19
Total		514244	514244	1036422	0.50

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
	2	3	4	5
1	Jan-20	3.20	0.14	23.41
2	Feb-20	3.94	0.17	23.48
3	Mar-20	4.07	0.19	21.23
Total		11.21	0.50	22.59

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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)

October 2019 to December 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	Oct-19	228760	27.08	1036422	6193817	5.98
2	Nov-19	268138	18.75	1036422	5026693	4.85
3	Dec-19	192754	22.63	1036422	4361775	4.21
Total		689652	22.82	1036422	15582285	15.03

(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-19	228760	228760	1036422	0.22
2	Nov-19	268138	268138	1036422	0.26
3	Dec-19	192754	192754	1036422	0.19
Total		689652	689652	1036422	0.67

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
	2	3	4	5
1	Oct-19	5.98	0.22	27.08
2	Nov-19	4.85	0.26	18.75
3	Dec-19	4.21	0.19	22.63
Total		15.03	0.67	22.59

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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)

July 2019 to September 2019 (Q-II)

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-19	326530	27.48	1036422	8972905	8.66
2	Aug-19	195394	25.83	1036422	5047994	4.87
3	Sep-19	267243	21.78	1036422	5820183	5.62
Total		789167	25.03	1036422	19841082	19.14

(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-19	326530	326530	1036422	0.32
2	Aug-19	195394	195394	1036422	0.19
3	Sep-19	267243	267243	1036422	0.26
Total		789167	789167	1036422	0.76

(iii) Consumer Average Interruption Duration Index (CAIDI)

Sr. No.	Month	SAIDI	SAIFI	SAIDI / SAIFI
	2	3	4	5
1	Jul-19	8.66	0.32	27.48
2	Aug-19	4.87	0.19	25.83
3	Sep-19	5.62	0.26	21.78
Total		19.14	0.76	25.14

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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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Annexure - IV

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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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

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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