

**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 <sup>i</sup> th Feeder	Ri = Restoration Time for each interruption event on <sup>i</sup> 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	
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
<b>Total</b>		<b>2737834</b>	<b>23.92</b>	<b>1039645</b>	<b>65483690</b>	<b>62.99</b>

**(ii) System Average Interruption Frequency Index (SAIFI)**

Sr. No.	Month	Ni = No. of Consumers who experienced a sustained interruption on <sup>i</sup> th Feeder	Sum of Consumers of <sup>i</sup> 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
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
<b>Total</b>		<b>2737834</b>	<b>2737834</b>	<b>1039645</b>	<b>2.63</b>

**(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
<b>Total</b>		<b>62.99</b>	<b>2.63</b>	<b>23.92</b>

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