

## 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 <sup>th</sup> Feeder	Ri = Restoration Time for each interruption event on i <sup>th</sup> 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
<b>Total</b>		<b>853640</b>	<b>23.79</b>	<b>1043163</b>	<b>20310555</b>	<b>19.47</b>

**(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 <sup>th</sup> Feeder	Sum of Consumers of i <sup>th</sup> 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
<b>Total</b>		<b>853640</b>	<b>853640</b>	<b>1043163</b>	<b>0.82</b>

**(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
<b>Total</b>		<b>19.47</b>	<b>0.82</b>	<b>23.79</b>

**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
<b>Total</b>		<b>140</b>	<b>23.14</b>	<b>3240</b>	<b>23.14</b>