

**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 <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)
	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
<b>Total</b>						<b>70.56</b>

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

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)
	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
<b>Total</b>					<b>2.75</b>

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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	<b>Apr-21</b>	<b>5.76</b>	<b>0.24</b>	<b>24.33</b>
2	<b>May-21</b>	<b>6.32</b>	<b>0.28</b>	<b>22.73</b>
3	<b>Jun-21</b>	<b>7.39</b>	<b>0.30</b>	<b>24.34</b>
4	<b>Jul-21</b>	<b>5.96</b>	<b>0.25</b>	<b>24.01</b>
5	<b>Aug-21</b>	<b>6.95</b>	<b>0.24</b>	<b>28.70</b>
6	<b>Sep-21</b>	<b>4.67</b>	<b>0.19</b>	<b>23.95</b>
7	<b>Oct-21</b>	<b>5.11</b>	<b>0.18</b>	<b>27.85</b>
8	<b>Nov-21</b>	<b>4.83</b>	<b>0.19</b>	<b>24.90</b>
9	<b>Dec-21</b>	<b>6.01</b>	<b>0.23</b>	<b>26.36</b>
10	<b>Jan-22</b>	<b>4.99</b>	<b>0.20</b>	<b>24.43</b>
11	<b>Feb-22</b>	<b>5.92</b>	<b>0.19</b>	<b>31.63</b>
12	<b>Mar-22</b>	<b>6.65</b>	<b>0.25</b>	<b>26.85</b>
<b>Total</b>		<b>70.56</b>	<b>2.75</b>	<b>25.67</b>

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