

**Realibility Indices (SAIDI, SAIFI, CAIDI, CAIFI), HPSEBL, FY2018-19**

**First Quarter**

Sr.No.		Name of Circle	Total Consumer Served ( NT)	Interrupted Consumer ( $\sum Ni$ )	Duration of sustained Interrputions (in Minutes) ( $\sum Ri$ )	Total Number of Interruptions ( $\sum No$ )	$\sum(Ri*Ni)$	SAIDI
1	2	3	4	5	6	7	8	9
	South Zone	Nahan	149567	124233	37737	2444	79861153	534
		Solan	230531	204670	100325	3666	155054235	673
		Shimla	166022	74514	51792	1945	19088036	115
		Rohru	89929	89929	22983	764	109899342	1222
		Rampur	137379	127448	38410	2994	189896187	1382
	North Zone	Dalhousie	269181	143564	80745	4245	132499465	492
		Kangra	361403	283392	46922	1516	118856586	329
		Una	192688	113247	38401	1061	58381971	303
	Central Zone	Hamirpur	217421	131419	34468	823	47951238	221
		Mandi	210628	174000	41741	1856	60966894	289
		Bilaspur	196717	172667	41633	1744	125919435	640
		Kullu	140667	130593	34273	1366	66340545	472
		<b>Grand Total</b>	<b>2362133</b>	<b>1769676</b>	<b>569430</b>	<b>24424</b>	<b>1164715087</b>	<b>493</b>
Average SAIDI			493					
Average SAIFI			0.75					
Average CAIDI			658					
Average CAIFI			0.013801396					

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Sr.No.		Name of Circle	Total Consumer	Interrupted Consumer	Duration of sustained	Total Number of Interruptions	$\Sigma(R_i * N_i)$	SAIDI
1	2	3	4	5	6	7	8	9
	South Zone	Nahan	149687	123615	171627	2176	522723976	3492
		Solan	231697	198313	106093	3388	164171273	709
		Shimla	166697	73687	43154	1480	16282786	98
		Rohru	90759	90759	22883	976	111027382	1223
		Rampur	138057	128437	34821	2662	182167629	1320
	North Zone	Dalhousie	270291	146751	85797	3927	151477317	560
		kangra	362989	256340	31829	1348	82349282	227
		una	193622	113241	35002	971	57094054	295
	Central Zone	Hamirpur	218544	146518	64590	1118	145819878	667
		Mandi	211314	183560	31129	1312	55409335	262
		Bilaspur	200345	174251	30877	1544	93197622	465
		Kullu	142447	125978	27569	801	61810805	434
			2376449	1761450	685371	21703	1643531339	692
Average SAIDI			692					
Average SAIFI			0.74					
Average CAIDI			933					
Average CAIFI			0.012321099					

**Realibility Indices (SAIDI, SAIFI, CAIDI, CAIFI), HPSEBL, FY2018-19 (Third quarter**

Sr.No.		Name of Circle	Total Consumer Served ( NT)	Interrupted Consumer ( $\sum Ni$ )	Duration of sustained Interruptions (in Minutes) ( $\sum Ri$ )	Total Number of Interruptions ( $\sum No$ )	$\sum(Ri*Ni)$	SAIDI
1	2	3	4	5	6	7	8	9
	South Zone	Nahan	161955	138626	44987	1846	221774796	1369
		Solan	233285	209742	77333	2901	130405212	559
		Shimla	167544	71282	26477	1238	9502741	57
		Rohru	91605	91605	22354	901	109030583	1190
		Rampur	139247	129477	23774	2062	112158020	805
	North Zone	Dalhousie	271691	145821	82215	3057	114312831	421
		kangra	364958	255063	25496	1031	89110688	244
		una	194863	110718	23700	1030	41999409	216
	Central Zone	Hamirpur	219750	143047	21370	1522	43674569	199
		Mandi	161703	145532	7183	538	64958132	402
		Bilaspur	207951	177315	21044	1385	81031918	390
		Kullu	143709	139076	33284	1222	70115835	488
			2358261	1757304	409217	18733	1088074734	461
Average SAIDI			461					
Average SAIFI			0.75					
Average CAIDI			619					
Average CAIFI			0.0107					

**Realibility Indices (SAIDI, SAIFI, CAIDI, CAIFI), HPSEBL, FY2018-19 (Fourth quarte**

Sr.No.		Name of Circle	Total Consumer Served ( NT)	Interrupted Consumer ( $\sum Ni$ )	Duration of sustained Interruptions (in Minutes) ( $\sum Ri$ )	Total Number of Interruptions ( $\sum No$ )	$\sum(Ri*Ni)$	SAIDI
1	2	3	4	5	6	7	8	9
	South Zone	Nahan	155735	132019	62681	1712	154524676	992
		Solan	235275	211790	71569	2684	110857703	471
		Shimla	168946	71708	47612	1597	14166984	84
		Rohru						
	North Zone	Rampur	140311	129518	29179	2229	145290679	1035
		Dalhousie	273212	155642	110305	4348	158568309	580
		kangra	367160	260230	27973	1021	89092838	243
		una	196949	107969	33090	1006	44004520	223
	Central Zone	Hamirpur	221085	141850	20213	1421	40279142	182
		Mandi	212452	182135	32543	856	64966147	306
		Bilaspur	209096	180477	27794	1462	116855998	559
		Kullu	144853	142068	102132	2407	237859360	1642
			2325074	1715406	565091	20743	1176466356	506
Average SAIDI			506					
Average SAIFI			0.74					

<b>Average CAIDI</b>	<b>686</b>
<b>Average CAIFI</b>	<b>0.012</b>

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SAIFI	CAIDI	CAIFI
10	11	12
0.830618	642.834	0.019673
0.88782	757.582	0.017912
0.44882	256.167	0.026102
1	1222.07	0.008496
0.927711	1489.99	0.023492
0.533336	922.93	0.029569
0.784144	419.407	0.005349
0.587722	515.528	0.009369
0.604445	364.873	0.006262
0.826101	350.384	0.010667
0.877743	729.262	0.0101
0.928384	507.995	0.01046
0.75	658.152	0.013801
Minutes	8.21796	Hours
Minutes	10.9692	Hours

Second Quarter

SAIFI	CAIDI	CAIFI
10	11	12
0.825823	4228.65	0.017603
0.855915	827.839	0.017084
0.442042	220.972	0.020085
1	1223.32	0.010754
0.930319	1418.34	0.020726
0.542937	1032.21	0.02676
0.706192	321.25	0.005259
0.584856	504.182	0.008575
0.670428	995.235	0.00763
0.86866	301.86	0.007148
0.869755	534.847	0.008861
0.884385	490.648	0.006358
0.74	933.056	0.012321
Minutes	11.5265	Hours
Minutes	15.5509	Hours

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SAIFI	CAIDI	CAIFI
10	11	12
0.86	1599.81	0.01
0.90	621.74	0.01
0.43	133.31	0.02
1.00	1190.23	0.01
0.93	866.24	0.02
0.54	783.93	0.02
0.70	349.37	0.00
0.57	379.34	0.01
0.65	305.32	0.01
0.90	446.35	0.00
0.85	456.99	0.01
0.97	504.15	0.01
0.75	619.17	0.01
Minutes	7.68981	Hours
Minutes	10.3195	Hours



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SAIFI	CAIDI	CAIFI
10	11	12
0.85	1170.47	0.01
0.90	523.43	0.01
0.42	197.56	0.02
0.92	1121.78	0.02
0.57	1018.80	0.03
0.71	342.36	0.00
0.55	407.57	0.01
0.64	283.96	0.01
0.86	356.69	0.00
0.86	647.48	0.01
0.98	1674.26	0.02
0.74	685.82	0.01
Minutes	8.43318	Hours

Minutes	11.4304	Hours