

Realibility Indices (SAIDI, SAIFI, CAIDI, CAIFI), HPSEBL, FY 2020-21

Sr.No.		Name of Circle		Total Consumer Served (NT)	Interrupted Consumer (ΣNi)	Duration of sustained Interruptions (in Minutes) (ΣRi)	Total Number of Interruptions (ΣNo)	Σ(Ri*Ni)	SAIDI	SAIFI	CAIDI	CAIFI	
1	2	3		4	5	6	7	8	9	10	11	12	
		South Zone	Nahan	First	159448	151314	88856	3380	159466466	1000	0.949	1053.9	0.0223377
				Second	159423	149340	94523	3210	182892759	1147	0.9368	1224.7	0.0214946
				Third	162850	152342	59111.31	2077	126787243	779	0.9355	832.25	0.0136338
				Fourth	164998	159372	61007	2026	136675006	828	0.9659	857.58	0.0127124
				Annual	164998	612368	303497.3	10693	605821474	3672	0.9469	3877.7	0.0174617
			Solan	First	242487	218460	88658	3728	145920388	602	0.9009	667.95	0.0170649
				Second	243800	213461	79381	3216	132839904	545	0.8756	622.31	0.015066
				Third	247075	222751	73626	2936	128631379	521	0.9016	577.47	0.0131806
				Fourth	249048	230084	75233	3169	142152958	571	0.9239	617.83	0.0137732
				Annual	249048	884756	316898	13049	549544629	2207	0.9006	2450.1	0.0147487
			Shimla	First	199822	100203	30718	1524	12649805	63	0.5015	126.24	0.0152091
				Second	201240	99388	16408	14564	58893167	293	0.4939	592.56	0.1465368
				Third	202941	102866	22653	1145	8475332	42	0.5069	82.392	0.011131
				Fourth	204641	105562	46987	1343	11824454	58	0.5158	112.01	0.0127224
				Annual	204641	408019	116766	18576	91842758	449	0.5046	889.47	0.0455273
			Rohru	First	74302	74302	12634	475	57301821	771	1	771.2	0.0063928
				Second	72454	72454	11077	573	56245204	776	1	776.29	0.0079085
				Third	72544	72544	13108	551	63266086	872	1	872.11	0.0075954
				Fourth	73290	73290	14469	586	65680177	896	1	896.17	0.0079956
				Annual	73290	292590	51288	2185	242493288	3309	1	3308.7	0.0074678
		Rampur	First	145642	133843	35810	2654	192180899	1320	0.919	1435.9	0.0198292	
			Second	146557	135095	32096	2738	133798234	913	0.9218	990.4	0.0202672	
			Third	147776	137504	13357	1509	54761648	371	0.9305	398.25	0.0109742	
			Fourth	149305	138932	24009	1727	109185050	731	0.9305	785.89	0.0124305	
			Annual	149305	545374	105272	8628	489925831	3281	0.9255	3545.5	0.0158203	
		Dalhousie	First	280660	171708	101743	8857	177505236	632	0.6118	1033.8	0.0515818	
			Second	282390	157109	83260	5245	127807717	453	0.5564	813.5	0.0333845	
			Third	284239	166190	75155	3327	116583094	410	0.5847	701.5	0.0200193	
			Fourth	285804	195619	103090	3416	117020338	409	0.6845	598.21	0.0174625	
			Annual	285804	690626	363248	20845	538916385	1886	0.6095	3093.7	0.0301828	
		Kangra	First	358983	281846	50709	6774	151246870	421	0.7851	536.63	0.0240344	
			Second	361729	287435	54764	7108	170595164	472	0.7946	593.51	0.0247291	

Reliability Indices (SAIDI, SAIFI, CAIDI, CAIFI), HPSEBL, FY 2015-16

	SAIDI (In Min)	SAIFI	CAIDI(In min)	CAIFI	SAIDI (In hours)	CAIDI (In Hours)
Nahan						
Solan						
Rohru						
Rampur						
Dalhousie						
Kangra						
Hamirpur						
Mandi						
Bilaspur						
Kullu						
Shimla						
Una						
Aggregate for HPSEBL						

Realibility Indices (SAIDI, SAIFI, CAIDI, CAIFI), HPSEBL, FY2020-21 First Quarter

Sr.No.		Name of Circle	Total Consumer Served (NT)	Interrupted Consumer (ΣNi)	Duration of sustained Interruptions (in Minutes) (ΣRi)	Total Number of Interruptions (ΣNo)	Σ(Ri*Ni)	SAIDI	SAIFI	CAIDI	CAIFI	
1	2	3	4	5	6	7	8	9	10	11	12	
	South Zone	Nahan	159448	151314	88856	3380	159466466	1000	0.948987	1053.88	0.022338	
		Solan	242487	218460	88658	3728	145920388	602	0.900914	667.95	0.017065	
		Shimla	199822	100203	30718	1524	12649805	63	0.501461	126.242	0.015209	
		Rohru	74302	74302	12634	475	57301821	771	1	771.202	0.006393	
		Rampur	145642	133843	35810	2654	192180899	1320	0.918986	1435.87	0.019829	
	North Zone	Dalhousie	280660	171708	101743	8857	177505236	632	0.611801	1033.76	0.051582	
		Kangra	358983	281846	50709	6774	151246870	421	0.785124	536.629	0.024034	
		Una	201895	114025	29192	829	42359287	210	0.564774	371.491	0.00727	
	Central Zone	Hamirpur	221601	124322	30382	907	57581553	260	0.561017	463.165	0.007296	
		Mandi	217980	168069	22515	1256	42816289	196	0.771029	254.754	0.007473	
		Bilaspur	223756	203810	25292	1884	99916654	447	0.910858	490.244	0.009244	
		Kullu	151702	142913	27912	1200	69766525	460	0.942064	488.175	0.008397	
		Grand Total	2478278	1884815	544421	33468	1208711793	488	0.76	641.289	0.017757	
Average SAIDI			488						Minutes	8.12871	Hours	
Average SAIFI			0.76									
Average CAIDI			641						Minutes	10.6882	Hours	
Average CAIFI			0.01775665									

Second Quarter

Reliability Indices (SAIDI, SAIFI, CAIDI, CAIFI), HPSEBL, FY2020-21

Sr.No.		Name of Circle	Total Consumer	Interrupted Consumer	Duration of sustained	Total Number	$\sum(R_i * N_i)$	SAIDI	SAIFI	CAIDI	CAIFI	
1	2	3	4	5	6	7	8	9	10	11	12	
	South Zone	Nahan	159423	149340	94523	3210	182892759	1147	0.936753	1224.67	0.021495	
		Solan	243800	213461	79381	3216	132839904	545	0.875558	622.315	0.015066	
		Shimla	201240	99388	16408	14564	58893167	293	0.493878	592.558	0.146537	
		Rohru	72454	72454	11077	573	56245204	776	1	776.288	0.007908	
		Rampur	146557	135095	32096	2738	133798234	913	0.921792	990.401	0.020267	
	North Zone	Dalhousie	282390	157109	83260	5245	127807717	453	0.556355	813.497	0.033384	
		kangra	361729	287435	54764	7108	170595164	472	0.794614	593.509	0.024729	
		una	203270	114541	24444	875	34479305	170	0.563492	301.022	0.007639	
	Central Zone	Hamirpur	223693	125583	44776	1488	87662389	392	0.561408	698.043	0.011849	
		Mandi	220761	165884	19401	1663	35471081	161	0.751419	213.831	0.010025	
		Bilaspur	230020	208128	28997	2268	95293501	414	0.904826	457.86	0.010897	
		Kullu	153047	127599	38479	915	79487686	519	0.833724	622.949	0.007171	
			2498384	1856017	527606	43863	1195466111	478	0.74	644.103	0.023633	
	Average SAIDI		478							Minutes	7.97493	Hours
	Average SAIFI		0.74									
	Average CAIDI		644							Minutes	10.735	Hours
	Average CAIFI		0.023632865									

Reliability Indices (SAIDI, SAIFI, CAIDI, CAIFI), HPSEBL

Sr.No.	2	Name of Circle	First	Total Consumer	Interrupted	Duration of	Total Number
1	2	3		4	5	6	7
	South Zone	Nahan	First	159448	151314	88856	3380
		Solan	First	242487	218460	88658	3728
		Shimla	First	199822	100203	30718	1524
		Rohru	First	74302	74302	12634	475
		Rampur	First	145642	133843	35810	2654
	North Zone	Dalhousie	First	280660	171708	101743	8857
		Kangra	First	358983	281846	50709	6774
		Una	First	201895	114025	29192	829
	Central Zone	Hamirpur	First	221601	124322	30382	907
		Mandi	First	217980	168069	22515	1256
		Bilaspur	First	223756	203810	25292	1884
		Kullu		151702	142913	27912	1200
		Grand Total		2478278	1884815	544421	33468
Average SAIDI				488			
Average SAIFI				0.76			
Average CAIDI				641			
Average CAIFI				0.01775665			

., FY2020-21 First Quarter

$\Sigma(R_i * N_i)$	SAIDI	SAIFI	CAIDI	CAIFI
8	9	10	11	12
159466466	1000	0.949	1053.9	0.022338
145920388	602	0.9009	667.95	0.017065
12649805	63	0.5015	126.24	0.015209
57301821	771	1	771.2	0.006393
192180899	1320	0.919	1435.9	0.019829
177505236	632	0.6118	1033.8	0.051582
151246870	421	0.7851	536.63	0.024034
42359287	210	0.5648	371.49	0.00727
57581553	260	0.561	463.16	0.007296
42816289	196	0.771	254.75	0.007473
99916654	447	0.9109	490.24	0.009244
69766525	460	0.9421	488.17	0.008397
1208711793	488	0.76	641.29	0.017757
Minutes			8.1287	Hours
Minutes			10.688	Hours