

**Uttar Gujarat Vij Company Ltd ,Mehsana
ANNUAL REPORT- April-11 to March-12
Year 2011-12**

SoP 011 - A : System Average Interruption Frequency Index (SAIFI) for AG. category

Sr. No	YEAR	N_i - Number of Customers for each sustained interruptions (in numbers)	N_T - Total No of customers served (in Numbers)	SAIFI = Ni/Nt (Monthly SAIFI)
1	2	3	4	5= 3 / 4
1	April.11	97022	294915	0.33
2	May.11	147620	297636	0.50
3	June.11	249477	305796	0.82
4	July.11	709445	307227	2.31
5	August.11	653503	335309	1.95
6	Sept.11	490276	342590	1.43
7	Oct.11	348808	336105	1.04
8	Nov.11	172349	345382	0.50
9	Dec.11	146323	351710	0.42
10	Jan.12	143105	350873	0.41
11	Feb.12	106188	356655	0.30
12	March.12	108533	358980	0.30

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SoP 011 - B : System Average Interruption Duration Index (SAIDI) for AG. category

Sr. No	YEAR	RT = Restoration Time for each sustained interruption event	N_I - Number of interrupted Customers for each sustained interruption event	R_i* N_i - Total customer interruption Duration	N_T - Total No of customers served (in Numbers)	SAIDI = R_i*N_i/N_t (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	April.11	790:31:00	162	127838:25:00	294915	0:26:01
2	May.11	1321:48:40	150	198443:47:00	297635	0:40:00
3	June.11	2843:55:00	153	434879:36:23	305796	1:25:20
4	July.11	7892:02:25	177	1396044:51:40	327227	4:15:59
5	August.11	6036:40:20	191	1154226:25:00	335309	3:26:32
6	Sept.11	3775:32:51	223	840413:21:50	342590	2:27:11
7	Oct.11	2281:46:00	1509	597363:58:00	336105	1:46:38
8	Nov.11	1378:42:00	976	264952:33:00	345382	0:46:02
9	Dec.11	1248:37:50	891	231253:48:30	351710	0:39:27
10	Jan.12	1210:23:00	189	229343:47:00	350873	0:39:13
11	Feb.12	904:45:45	180	162895:17:30	356655	0:27:24
12	March.12	823:06:00	198	163167:21:00	358980	0:27:16

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SoP 011 - C : Momentary Average Interruption Frequency Index (MAIFI) for AG. category

Sr. No	YEAR	IM_i = Number of Momentary interruptions for the month (in numbers)	N_{mi} = Total no of customers for each momentary interruptions (in numbers)	Im_i =N_{mi} Number of customer Mementary interruptions (in numbers)	N_t - Total no of customers served (in numbers)	MAIFI= Imi*Nmi/ Nt
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	April.11	7546	159	119834	294914	4.07
2	May.11	8135	156	1273115	297635	4.28
3	June.11	9604	156	1497846	305796	4.9
4	July.11	14682	158	2314882	327227	7.07
5	August.11	13676	167	2284187	335309	6.81
6	Sept.11	12538	171	2146701	342590	6.27
7	Oct.11	10679	185	1974175	336105	5.87
8	Nov.11	9181	163	1496662	345382	4.33
9	Dec.11	8068	156	1255372	351710	3.57
10	Jan.12	6892	165	1136863	350873	3.24
11	Feb.12	6051	160	970561	356655	2.72
12	March.12	7380	157	1158068	358980	3.23

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SoP 011 - A : System Average Interruption Frequency Index (SAIFI) for JGY category

Sr. No	Month	N_i - Number of Customers for each sustained interruptions (in numbers)	N_T - Total No of customers served (in Numbers)	SAIFI = Ni/Nt (Monthly SAIFI)
1	2	3	4	5= 3 / 4
1	April.11	567371	1626602	0.35
2	May.11	673940	1603315	0.42
3	June.11	1524868	1613647	0.94
4	July.11	4002581	1641110	2.44
5	August.11	3426901	1662151	2.06
6	Sept.11	2929363	1652721	1.59
7	Oct.11	1515159	1615563	0.94
8	Nov.11	655728	1633445	0.40
9	Dec.11	668283	1632423	0.41
10	Jan.12	746253	1623439	0.46
11	Feb.12	479449	1631444	0.29
12	March.12	565433	1682727	0.34

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SoP 011 - B : System Average Interruption Duration Index (SAIDI) for JGY category

Sr. No	Month	Ri = Restoration Time for each sustained interruption event (in hours)	Ni - Number of interrupted Customers for each sustained interruption event (in numbers)	Ri* Ni - Total customer interruption Duration	N _T - Total No of customers served (in Numbers)	SAIDI = Ri*Ni/Nt (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	April.11	189:04:00	2607	492929:23:24	1626602	0:18:11
2	May.11	278:11:24	2454	682651:42:36	1603315	0:25:33
3	June.11	670:02:20	2368	1586470:54:46	1613647	0:58:59
4	July.11	2181:29:00	2597	5665751:06:00	1641110	3:27:09
5	August.11	1585:22:15	2704	4286273:59:50	1662151	2:34:44
6	Sept.11	1219:20:00	2875	3505855:51:00	1652721	2:07:17
7	Oct.11	681:44:00	2598	1771395:22:00	1615563	1:05:47
8	Nov.11	260:15:00	2900	754758:52:00	1633445	0:27:43
9	Dec.11	277:05:00	2886	799573:17:00	1632423	0:29:23
10	Jan.12	274:25:00	3129	858684:20:00	1623439	0:31:44
11	Feb.12	160:55:00	3426	551307:26:00	1631444	0:20:17
12	March.12	214:41:00	2911	625016:41:00	1682727	0:22:17

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SoP 011 - C : Momentary Average Interruption Frequency Index (MAIFI) for JGY category

Sr. No	Month	IM _i = Number of Momentary interruptions for the month (in numbers)	N _{mi} = Total no of customers for each momentary interruptions (in numbers)	Im _i =N _{mi} Number of customer Mementary interruptions (in numbers)	N _t - Total no of customers served (in numbers)	MAIFI= Imi*Nmi/ Nt
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	April.11	4758	2585	12300850	1626602	7.56
2	May.11	4473	2643	11821128	1603315	7.37
3	June.11	5282	2690	14206722	1613647	8.8
4	July.11	6975	2622	18288124	1641110	11.14
5	August.11	7274	2600	18914369	1662151	11.38
6	Sept.11	6792	2601	17665813	1652721	10.69
7	Oct.11	6214	2614	16241233	1615563	10.05
8	Nov.11	5183	2670	13840006	1633445	8.47
9	Dec.11	4523	2704	12229555	1632423	7.49
10	Jan.12	4113	2734	11246085	1623439	6.93
11	Feb.12	3458	2749	9504335	1631444	5.83
12	March.12	4036	2646	10678015	1682727	6.35

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SoP 011 - A : System Average Interruption Frequency Index (SAIFI) for Other than AG & JGY category

Sr. No	Month	Ni - Number of Customers for each sustained interruptions (in numbers)	N _T - Total No of customers served (in Numbers)	SAIFI = Ni/Nt (Monthly SAIFI)
1	2	3	4	5= 3 / 4
1	April.11	137735	750321	0.18
2	May.11	233993	758883	0.31
3	June.11	608574	775761	0.78
4	July.11	1281838	749134	1.71
5	August.11	807034	739760	1.09
6	Sept.11	601592	747751	0.81
7	Oct.11	871722	748758	1.16
8	Nov.11	311959	796246	0.39
9	Dec.11	138351	794287	0.17
10	Jan.12	233415	794287	0.29
11	Feb.12	144525	795609	0.18
12	March.12	166592	808820	0.21

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SoP 011 - B : System Average Interruption Duration Index (SAIDI) forOther than AG & JGY category

Sr. No	Month	Ri = Restoration Time for each sustained interruption event (in hours)	Ni - Number of interrupted Customers for each sustained interruption event (in numbers)	Ri* Ni - Total customer interruption Duration	N _T - Total No of customers served (in Numbers)	SAIDI = Ri*Ni/Nt (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	April.11	70:09:00	1441	101080:21:00	750321	0:08:05
2	May.11	120:57:00	1118	135214:55:00	758883	0:10:41
3	June.11	348:48:00	1771	617864:31:00	775761	0:47:47
4	July.11	711:43:00	1734	1234347:11:00	749134	1:38:52
5	August.11	416:40:55	1822	759068:26:20	739760	1:01:34
6	Sept.11	286:47:00	1644	471466:41:00	747751	0:37:50
7	Oct.11	116:14:00	6712	780138:54:00	748758	1:02:31
8	Nov.11	104:55:00	1722	180633:26:00	796246	0:13:37
9	Dec.11	67:31:00	1458	98408:23:00	794287	0:07:26
10	Jan.12	110:44:00	1724	190953:26:00	794287	0:14:25
11	Feb.12	91:51:00	1167	107185:10:00	795609	0:08:05
12	March.12	83:41:00	1663	139122:04:00	808820	0:10:19

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SoP 011 - C : Momentary Average Interruption Frequency Index (MAIFI) for Other than AG & JGY category

Sr. No	Month	IM _i = Number of Momentary interruptions for the month (in numbers)	N _{mi} = Total no of customers for each momentary interruptions (in numbers)	Im _i =N _{mi} Number of customer Mementary interruptions (in numbers)	N _t - Total no of customers served (in numbers)	MAIFI= Imi*Nmi/ Nt
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	April.11	1609	2037	3278040	750321	4.37
2	May.11	1523	2067	3148678	758883	4.15
3	June.11	1931	2486	4800377	775761	6.19
4	July.11	2761	2449	6760448	749134	9.02
5	August.11	2412	2308	5567114	739760	7.53
6	Sept.11	2126	2256	4796635	747751	6.41
7	Oct.11	1873	4153	7778056	748758	10.39
8	Nov.11	1574	2463	3876325	796246	4.87
9	Dec.11	1435	2726	3912322	794287	4.93
10	Jan.12	1684	2860	4816382	794287	6.06
11	Feb.12	1363	2224	3030693	795609	3.81
12	March.12	1484	2290	3398268	808820	4.20

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SoP 011 - A : System Average Interruption Frequency Index (SAIFI) for UGVCL as a whole

Sr. No	Month	N_i - Number of Customers for each sustained interruptions (in numbers)	N_T - Total No of customers served (in Numbers)	SAIFI = Ni/Nt (Monthly SAIFI)
1	2	3	4	5= 3 / 4
	April.11	802128	2671838	0.3
	May.11	1055552	2684215	0.39
	June.11	2382918	2706640	0.88
	July.11	5998804	2717471	2.21
	August.11	4887438	2737220	1.79
	Sept.11	3721234	2743062	1.36
	Oct.11	2735689	2700426	1.01
	Nov.11	1140036	2775073	0.41
	Dec.11	952957	2778420	0.34
	Jan.12	1122773	2768599	0.41
	Feb.12	730162	2783708	0.26
	March.12	840558	2850527	0.29

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SoP 011 - B : System Average Interruption Duration Index (SAIDI) for UGVCL as a whole

Sr. No	Month	Ri = Restoration Time for each sustained interruption event (in hours)	Ni - Number of interrupted Customers for each sustained interruption event (in numbers)	Ri* Ni - Total customer interruption Duration	N _T - Total No of customers served (in Numbers)	SAIDI = Ri*Ni/Nt (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
	April.11	1049:44:00	906	721848:09:24	2671838	0:16:13
	May.11	1720:57:04	1444	1016310:24:36	2684215	0:22:43
	June.11	3862:45:20	2448	2639215:02:09	2706640	0:58:30
	July.11	10785:14:25	769	9296143:08:40	2717471	3:03:01
	August.11	8038:43:30	771	6199568:51:10	2737220	2:15:54
	Sept.11	5281:39:50	912	4817735:53:50	2743062	1:45:23
	Oct.11	1593:13:50	1976	3148898:14:00	2700426	1:09:58
	Nov.11	1743:52:00	688	1200344:51:00	2775073	0:25:57
	Dec.11	1593:13:50	709	1129235:28:30	2778420	0:24:23
	Jan.12	1595:32:00	802	1278981:33:00	2768599	0:27:43
	Feb.12	1157:31:45	710	821387:53:30	2783708	0:17:42
	March.12	1121:28:00	827	927306:06:00	2850527	0:19:31

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SoP 011 - C : Momentary Average Interruption Frequency Index (MAIFI) for UGVCL as a whole

Sr. No	Month	IM _i = Number of Momentary interruptions for the month (in numbers)	N _{mi} = Total no of customers for each momentary interruptions (in numbers)	Im _i =N _{mi} Number of customer Mementary interruptions (in numbers)	N _t - Total no of customers served (in numbers)	MAIFI= Imi*Nmi/ Nt
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
	April.11	13913	1206	16777824	2671838	6.28
	May.11	14131	1149	16242921	2684215	6.05
	June.11	16817	1219	20504946	2706640	7.58
	July.11	24418	1121	27363454	2717471	10.07
	August.11	23362	1146	26765670	2737220	9.78
	Sept.11	21156	1147	24609149	2743062	8.97
	Oct.11	18766	1385	25993464	2700426	9.63
	Nov.11	15938	1205	19212993	2775073	6.92
	Dec.11	14026	1214	17397249	2778420	6.26
	Jan.12	12689	1355	17199330	2768599	6.21
	Feb.12	10872	1242	13505589	2783708	4.85
	March.12	12900	1181	15234351	2850527	5.34