

Uttar Gujarat Vij Company Ltd

YEAR 2012-13(APRIL-12 TO MARCH-13)

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

Sr. No	Month	N _i - Number of Customers for each sustained interruptions (in numbers)	N _T - Total No of customers served (in Numbers)	CI = $\sum Ni$	SAIFI = $\frac{\sum Ni}{Nt}$ (Monthly SAIFI)
1	2	3	4	5	6= 5 / 4
1	Apr-12	217540	352707	745134	2.11
2	May-12	232421	355907	784509	2.20
3	Jun-12	284242	354833	1772779	5.00
4	Jul-12	298263	360644	1763039	4.89
5	Aug-12	297879	363015	1651669	4.55
6	Sep-12	298072	363554	1633383	4.49
7	Oct-12	258438	363554	1097596	3.02
8	Nov-12	272976	363669	1099093	3.02
9	Dec-12	244862	366363	1008605	2.75
10	Jan-13	260722	366794	1037755	2.83
11	Feb-13	276197	368458	1069875	2.90
12	Mar-13	269415	369221	958278	2.60

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

Sr. No	Month	R _i = Restoration Time for each sustained interruption event (in hours)	N _i - Number of interrupted Customers for each sustained interruption event (in numbers)	R _i * N _i - Total customer interruption Duration	N _T - Total No of customers served (in Numbers)	Customer Intt. Duration CMI = $\frac{\sum Ri * Ni}{Nt}$	SAIDI = $\frac{\sum Ri * Ni}{Nt}$ (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7	8= 7 / 6
1	Apr-12	8332:10	217540		352707	1490225:54	4:13
2	May-12	8081:44	232421		355907	1487178:11	4:10
3	Jun-12	14285:12	284242		354833	2863150:57	8:04
4	Jul-12	16394:15	298263		360644	3258903:50	9:02
5	Aug-12	13966:55	297879		363015	2832593:17	7:48
6	Sep-12	14028:32	298072		363554	2498967:20	6:52
7	Oct-12	9443:07	258438		363554	1837560:39	5:03
8	Nov-12	9521:13	272976		363669	1876359:08	5:09
9	Dec-12	10718:53	244862		366363	2369787:09	6:28
10	Jan-13	9246:17	260722		366794	1938151:40	5:17
11	Feb-13	10642:54	276197		368458	2105518:59	5:42
12	Mar-13	12070:37	269415		369221	2209809:45	5:59

SoP 011 - C : Momentary Average Interruption Frequency Index (MAIFI) for AG. Dominant 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)	Customer Intt. $\sum Imi * Nmi$	MAIFI= $\frac{\sum Imi * Nmi}{Nt}$
1	2	3	4	5	6 = 3 * 4	7	8= 7 / 6
1	Apr-12	7907	308548		352707	1328916	3.77
2	May-12	7481	300023		355907	1168681	3.28
3	Jun-12	10440	275132		354833	1733456	4.89
4	Jul-12	12059	327131		360644	2118454	5.87
5	Aug-12	12997	333478		363015	2122334	5.85
6	Sep-12	13017	338279		363554	2183824	6.01
7	Oct-12	9846	334852		363554	1587325	4.37
8	Nov-12	8150	333504		363669	1773439	4.88
9	Dec-12	7950	306888		366363	1422617	3.88
10	Jan-13	7412	321364		366794	1340693	3.66
11	Feb-13	7363	331658		368458	1380167	3.75
12	Mar-13	7711	339199		369221	1338108	3.62

Uttar Gujarat Vij Company Ltd
YEAR 2012-13(APRIL-12 TO MARCH-13)

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)	CI = $\sum Ni$	SAIFI = $\frac{\sum Ni}{Nt}$ (Monthly SAIFI)
1	2	3	4	5	6= 5 / 4
1	Apr-12	1250303	1651263	3051239	1.85
2	May-12	1275762	1651155	2683933	1.63
3	Jun-12	1530394	1654296	7126866	4.31
4	Jul-12	1474263	1652334	7701226	4.66
5	Aug-12	1417874	1653528	5865305	3.55
6	Sep-12	1452872	1660899	6476368	3.90
7	Oct-12	1267508	1660899	3933156	2.37
8	Nov-12	1120129	1663951	3235577	1.94
9	Dec-12	1084425	1664564	2662340	1.60
10	Jan-13	1263962	1665235	6258057	3.76
11	Feb-13	1310246	1667422	3889687	2.33
12	Mar-13	1171242	1668144	4955938	2.97

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

Sr. No	Month	R _i = Restoration Time for each sustained interruption event (in hours)	N _i - Number of interrupted Customers for each sustained interruption event (in numbers)	R _i * N _i - Total customer interruption Duration	N _T - Total No of customers served (in Numbers)	Customer Intt. Duration CMI = $\frac{\sum Ri * Ni}{Nt}$	SAIDI = $\frac{\sum Ri * Ni}{Nt}$ (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7	8= 7 / 6
1	Apr-12	2653:29	1250303		1651263	6669620:53	4:02
2	May-12	2066:03	1275762		1651155	3862046:39	2:20
3	Jun-12	3768:39	1530394		1654296	10116321:14	6:06
4	Jul-12	3604:03	1474263		1652334	9445183:41	5:42
5	Aug-12	4282:02	1417874		1653528	5399164:00	3:15
6	Sep-12	2673:44	1452872		1660899	6957669:29	4:11
7	Oct-12	2420:23	1267508		1660899	6053698:31	3:38
8	Nov-12	1727:37	1120129		1663951	4095261:06	2:27
9	Dec-12	1503:29	1084425		1664564	3346737:16	2:00
10	Jan-13	2395:45	1263962		1665235	8527953:54	5:07
11	Feb-13	2526:27	1310246		1667422	6173072:05	3:42
12	Mar-13	1741:14	1171242		1668144	7972718:47	4:46

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)	Customer Intt. $\sum Imi * Nmi$	MAIFI= $\frac{\sum Imi * Nmi}{Nt}$
1	2	3	4	5	6 = 3 * 4	7	8= 7 / 6
1	Apr-12	4764	1657207		1651263	13594535	8.23
2	May-12	4309	1616072		1651155	11499334	6.96
3	Jun-12	5519	1637028		1654296	14119115	8.53
4	Jul-12	5683	1635484		1652334	14553114	8.81
5	Aug-12	5487	1629703		1653528	14265783	8.63
6	Sep-12	5526	1646752		1660899	14728104	8.87
7	Oct-12	6214	1626925		1660899	11956102	7.20
8	Nov-12	3694	1625316		1663951	10852188	6.52
9	Dec-12	3690	1551209		1664564	9930602	5.97
10	Jan-13	3780	1605885		1665235	10384037	6.24
11	Feb-13	3611	1584400		1667422	9994886	5.99
12	Mar-13	3565	1608686		1668144	9631916	5.77

Uttar Gujarat Vij Company Ltd
YEAR 2012-13 (APRIL-12 TO MARCH-13)

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

Sr. No	Month	N _i - Number of Customers for each sustained interruptions (in numbers)	N _T - Total No of customers served (in Numbers)	CI = $\sum Ni$	SAIFI = $\sum Ni/Nt$ (Monthly SAIFI)
1	2	3	4	5	6= 5 / 4
1	Apr-12	528168	720403	1497481	2.08
2	May-12	646169	722613	1828019	2.53
3	Jun-12	684794	722264	3106066	4.30
4	Jul-12	660008	724201	2941149	4.06
5	Aug-12	623299	767959	2432841	3.17
6	Sep-12	575319	769011	2588769	3.37
7	Oct-12	582954	769011	1722098	2.24
8	Nov-12	451821	769011	1377466	1.79
9	Dec-12	468523	770957	1272703	1.65
10	Jan-13	615667	569501	2071001	3.64
11	Feb-13	571040	799948	1878755	2.35
12	Mar-13	475158	811179	1649380	2.03

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

Sr. No	Month	R _i = Restoration Time for each sustained interruption event (in hours)	N _i - Number of interrupted Customers for each sustained interruption event (in numbers)	R _i * N _i - Total customer interruption Duration	N _T - Total No of customers served (in Numbers)	Customer Intt. Duration CMI = $\sum Ri*Ni$	SAIDI = $\sum Ri*Ni/Nt$ (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7	8= 7 / 6
1	Apr-12	1461:54	528168		720403	1955934:20	2:42
2	May-12	2472:50	646169		722613	3503654:51	4:50
3	Jun-12	2652:07	684794		722264	3520167:44	4:52
4	Jul-12	2771:51	660008		724201	2420496:34	3:20
5	Aug-12	1566:35	623299		767959	1983908:46	2:35
6	Sep-12	2122:10	575319		769011	2193741:47	2:51
7	Oct-12	1952:17	582954		769011	2366889:20	3:04
8	Nov-12	1292:49	451821		769011	1554239:34	2:01
9	Dec-12	1195:48	468523		770957	1054347:51	1:22
10	Jan-13	2260:36	615667		569501	2800236:22	4:55
11	Feb-13	1910:55	571040		799948	2303157:45	2:52
12	Mar-13	1459:36	475158		811179	1726028:01	2:07

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

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)	Customer Intt. $\sum Imi*Nmi$	MAIFI= $\sum Imi*Nmi/Nt$
1	2	3	4	5	6 = 3 * 4	7	8= 7 / 6
1	Apr-12	1607	702458		720403	3509677	4.87
2	May-12	1410	710524		722613	3120062	4.32
3	Jun-12	1988	730883		722264	4210166	5.83
4	Jul-12	1762	698703		724201	3424372	4.73
5	Aug-12	1834	709168		767959	3141341	4.09
6	Sep-12	1892	684507		769011	3423996	4.45
7	Oct-12	1558	674398		769011	2972238	3.87
8	Nov-12	1335	669610		769011	2380603	3.10
9	Dec-12	1452	661950		770957	2970519	3.85
10	Jan-13	1577	691753		569501	2184817	3.84
11	Feb-13	1341	726677		799948	2806699	3.51
12	Mar-13	1327	694615		811179	2352300	2.90

JGY was repeated in component of MAIFI figure earlier.

Uttar Gujarat Vij Company Ltd
YEAR 2012-13(APRIL-12 TO MARCH-13)

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)	CI = $\sum Ni$	SAIFI = $\frac{\sum Ni}{Nt}$ (Monthly SAIFI)
1	2	3	4	5	6= 5 / 4
1	Apr-12	1996011	2765956	5293854	1.91
2	May-12	2154352	2771258	5296461	1.91
3	Jun-12	2499430	2772976	12005711	4.33
4	Jul-12	2432534	2778762	12405414	4.46
5	Aug-12	2239052	2784502	9949815	3.57
6	Sep-12	2326063	2793464	10698520	3.83
7	Oct-12	2108900	2793464	6752850	2.42
8	Nov-12	1844926	2796631	5712136	2.04
9	Dec-12	1797810	2801884	4943648	1.76
10	Jan-13	2140351	2832038	9366813	3.31
11	Feb-13	2157483	2835828	6838317	2.41
12	Mar-13	1915815	2847822	7563596	2.66

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

Sr. No	Month	R _i = Restoration Time for each sustained interruption event (in hours)	N _i - Number of interrupted Customers for each sustained interruption event (in numbers)	R _i * N _i - Total customer interruption Duration	N _T - Total No of customers served (in Numbers)	Customer Intt. Duration CMI = $\sum Ri*Ni$	SAIDI = $\frac{\sum Ri*Ni}{Nt}$ (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7	8= 7 / 6
1	Apr-12	12447:34	1996011		2765956	10115781:08	3:39
2	May-12	12620:38	2154352		2771258	8852879:42	3:11
3	Jun-12	20705:59	2499430		2772976	16499639:56	5:57
4	Jul-12	22770:10	2432534		2778762	15124584:06	5:26
5	Aug-12	19815:33	2239052		2784502	10215666:04	3:40
6	Sep-12	18824:27	2326063		2793464	11650378:37	4:10
7	Oct-12	13815:48	2108900		2793464	10258148:31	3:40
8	Nov-12	12541:39	1844926		2796631	7525859:48	2:41
9	Dec-12	13418:10	1797810		2801884	6770872:17	2:25
10	Jan-13	13902:39	2140351		2832038	13266341:56	4:41
11	Feb-13	15080:16	2157483		2835828	10581748:50	3:43
12	Mar-13	15271:28	1915815		2847822	11908556:34	4:10

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)	Customer Intt. $\sum Imi*Nmi$	MAIFI= $\frac{\sum Imi*Nmi}{Nt}$
1	2	3	4	5	6 = 3 * 4	7	8= 7 / 6
1	Apr-12	14278	2668213		2765956	18433128	6.66
2	May-12	13246	2626619		2771258	15788077	5.70
3	Jun-12	18024	2683329		2772976	20062737	7.24
4	Jul-12	19584	2661318		2778762	20095940	7.23
5	Aug-12	20343	2672349		2784502	19529458	7.01
6	Sep-12	20435	2669538		2793464	20335924	7.28
7	Oct-12	16067	2636175		2793464	16515665	5.91
8	Nov-12	13179	2628430		2796631	15006230	5.37
9	Dec-12	13092	2520047		2801884	14323738	5.11
10	Jan-13	12769	2619002		2832038	13909547	4.91
11	Feb-13	12315	2642735		2835828	14181752	5.00
12	Mar-13	12603	2642500		2847822	13322324	4.68