

Uttar Gujarat Vij Company Ltd ,Mehsana
QUARTER :-3rd ; Oct-12 to Dec-12
YEAR :-2012-13

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)	SAIFI = Ni/Nt (Monthly SAIFI)
1	2	3	4	5= 3 / 4
1	Oct-12	253505	363554	0.70
2	Nov-12	264577	363669	0.73
3	Dec-12	162140	366363	0.44

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)	SAIDI = Ri*Ni/Nt (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Oct-12	1429:45:00	1133	671107:48:05	363554	1:50:45
2	Nov-12	1826:35:00	819	406658:55:05	363669	1:07:06
3	Dec-12	1181:46:00	953	244026:52:00	366363	0:39:58

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)	MAIFI= Imi*Nmi/ Nt
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Oct-12	9846	162	1595427	363554	4.39
2	Nov-12	8150	218	1773439	363669	4.88
3	Dec-12	7950	179	1422617	366363	3.88

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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	Oct-12	699647	1660899	0.42
2	Nov-12	949141	1663951	0.57
3	Dec-12	613502	1664564	0.37

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)	SAIDI = Ri*Ni/Nt (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Oct-12	226:07:00	3234	731195:47:00	1660899	0:26:25
2	Nov-12	335:26:00	2962	993572:10:00	1663951	0:35:50
3	Dec-12	204:24:05	2793	570891:23:30	1664564	0:20:35

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	Oct-12	6214	1933	12013653	1660899	7.23
2	Nov-12	3694	3099	11447938	1663951	6.88
3	Dec-12	3690	2691	9930602	1664564	5.97

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SoP 011 - A : System Average Interruption Frequency Index (SAIFI) for Other than AG & 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	Oct-12	269321	769011	0.35
2	Nov-12	181649	769011	0.24
3	Dec-12	177118	770957	0.23

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)	SAIDI = R _i *N _i /N _T (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Oct-12	123:29:00	1630	201221:44:00	769011	0:15:42
2	Nov-12	76:32:00	1969	150724:40:00	769011	0:11:46
3	Dec-12	82:20:00	1356	111606:10:00	770957	0:08:41

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= Im _i *N _{mi} / N _t
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Oct-12	1558	2641	4114314	769011	5.35
2	Nov-12	1335	2454	3276628	769011	4.26
3	Dec-12	1452	2516	3652936	770957	4.74

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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
1	Oct-12	1222473	2793464	0.44
2	Nov-12	1395367	2796631	0.50
3	Dec-12	952760	2801884	0.34

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)	SAIDI = Ri*Ni/Nt (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Oct-12	1779:21:00	901	1603525:19:05	2793464	0:34:26
2	Nov-12	2238:33:00	693	1550955:45:05	2796631	0:33:16
3	Dec-12	1468:30:05	631	926524:25:30	2801884	0:19:50

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
1	Oct-12	16067	1103	17723394	2793464	6.34
2	Nov-12	13179	1252	16498005	2796631	5.90
3	Dec-12	13092	1214	15006155	2801884	5.36