

Uttar Gujarat Vij Company Ltd ,Mehsana
QUARTER :-3rd (Oct-13 to Dec-13)
YEAR :-2013-14

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=Σ Ni	SAIFI = Σ Ni/Nt (Monthly SAIFI)
1	2	3	4	5	6=5/4
1	Oct-13	302296	365494	1270993	3.48
2	Nov-13	243824	371674	1010057	2.72
3	Dec-13	261170	377408	1101577	2.92

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 = ΣR _i *N _i	SAIDI = ΣR _i *N _i /Nt (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Oct-13	13034:57	302296		365494	2356299:59	6:26
2	Nov-13	9418:20	243824		371674	1653431:30	4:26
3	Dec-13	9865:27	261170		377408	1971390:33	5:13

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 Momentary interruptions (in numbers)	N _t - Total no of customers served (in numbers)	Customer Intt. ΣIm _i *N _{mi}	MAIFI=ΣIm _i *N _{mi} /Nt
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Oct-13	11363	343184		365494	2050080	5.61
2	Nov-13	10427	340394		371674	1727490	4.65
3	Dec-13	9052	324258		377408	1589015	4.21

Uttar Gujarat Vij Company Ltd ,Mehsana
QUARTER :-3rd (Oct-13 to Dec-13)
YEAR :-2013-14

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=Σ Ni	SAIFI = Σ Ni/Nt (Monthly SAIFI)
1	2	3	4	5	6=5/4
1	Oct-13	1520441	1748071	5532865	3.17
2	Nov-13	1223070	1749689	3524623	2.01
3	Dec-13	1201152	1756879	3382853	1.93

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 = ΣR _i *N _i	SAIDI = ΣR _i *N _i /Nt (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Oct-13	3787:19	1520441		1748071	7565676:04	04:19
2	Nov-13	1838:45	1223070		1749689	4705589:16	02:41
3	Dec-13	2350:53	1201152		1756879	6243374:37	03:33

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 Momentary interruptions (in numbers)	N _t - Total no of customers served (in numbers)	Customer Intt. ΣIm _i *N _{mi}	MAIFI=ΣIm _i *N _{mi} /N _t
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Oct-13	5263	1720529		1748071	14612228	8.36
2	Nov-13	4326	1662135		1749689	11910127	6.81
3	Dec-13	4325	1647040		1756879	11049946	6.29

Uttar Gujarat Vij Company Ltd ,Mehsana
QUARTER :-3rd (Oct-13 to Dec-13)
YEAR :-2013-14

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)	CI=Σ Ni	SAIFI = Σ Ni/N _t (Monthly SAIFI)
1	2	3	4	5	6=5/4
1	Oct-13	618849	820844	2004067	2.44
2	Nov-13	492211	825639	1441710	1.75
3	Dec-13	601533	827259	1827819	2.21

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 = ΣR _i *N _i	SAIDI = ΣR _i *N _i /N _t (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Oct-13	2584:09	618849		820844	2697525:27	03:17
2	Nov-13	1670:13	492211		825639	1327514:07	01:36
3	Dec-13	2420:11	601533		827259	3516314:49	04:15

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 Momentary interruptions (in numbers)	N _t - Total no of customers served (in numbers)	Customer Intt. ΣIM _i *N _{mi}	MAIFI=ΣIM _i *N _{mi} /N _t
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Oct-13	1894	713889		820844	3379084	4.12
2	Nov-13	1708	748403		825639	3224773	3.91
3	Dec-13	1543	736843		827259	2916359	3.53

Uttar Gujarat Vij Company Ltd ,Mehsana
QUARTER :-3rd (Oct-13 to Dec-13)
YEAR :-2013-14

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=Σ Ni	SAIFI = Σ Ni/Nt (Monthly SAIFI)
1	2	3	4	5	6=5/4
1	Oct-13	2441586	2934409	8807925	3.00
2	Nov-13	1959105	2947002	5976390	2.03
3	Dec-13	2063855	2961546	6312249	2.13

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 = ΣR _i *N _i	SAIDI = ΣR _i *N _i /Nt (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Oct-13		2441586		2934409	12619501:30	04:18
2	Nov-13		1959105		2947002	7686534:54	02:36
3	Dec-13		2063855		2961546	11731080:00	03:57

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 Momentary interruptions (in numbers)	N _t - Total no of customers served (in numbers)	Customer Intt. ΣIm _i *N _{mi}	MAIFI=ΣIm _i *N _{mi} /Nt
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Oct-13	18520	2777602		2934409	20041392	6.83
2	Nov-13	16461	2750932		2947002	16862390	5.72
3	Dec-13	14920	2708141		2961546	15555320	5.25