

Uttar Gujarat Vij Company Ltd ,Mehsana
QUARTER :-3rd ; Oct-10 to Dec-10
YEAR :-2010-11

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-10	336703	273176	1.23
2	Nov-10	352568	274866	1.28
3	Dec-10	151125	275783	0.55

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 = R _i *N _i /Nt (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Oct-10	2282:28:15	140	320374:28:40	273176	1:10:22
2	Nov-10	3101:40:15	173	536843:38:25	274866	1:57:11
3	Dec-10	1566:42:25	142	221752:21:23	275783	0:48:15

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= Im _i *N _{mi} / Nt
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Oct-10	10118	185	1870291	273176	6.85
2	Nov-10	11457	197	2257527	274866	8.21
3	Dec-10	8439	163	1371765	275783	4.97

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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-10	856603	1595732	0.54
2	Nov-10	1193227	1605675	0.74
3	Dec-10	582847	1621280	0.36

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 = R _i *N _i /N _t (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Oct-10	332:52:15	2618	871416:22:15	1595732	0:32:46
2	Nov-10	712:13:00	1966	1399967:14:38	1605675	0:52:19
3	Dec-10	256:05:00	2625	672313:43:00	1621280	0:24:53

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= Im _i *N _{mi} / N _t
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Oct-10	5368	2204	11833542	1595732	7.42
2	Nov-10	5591	2211	12360011	1605675	7.70
3	Dec-10	4509	2635	11882535	1621280	7.33

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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-10	236992	692477	0.34
2	Nov-10	548025	700793	0.78
3	Dec-10	150231	712032	0.21

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)	SAIDI = Ri*Ni/Nt (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Oct-10	124:24:00	1227	152647:59:00	692477	0:13:14
2	Nov-10	260:56:00	1935	504989:09:50	700793	0:43:14
3	Dec-10	99:27:00	1217	121042:58:00	712032	0:10:12

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	Oct-10	1928	1771	3414687	692477	4.93
2	Nov-10	1954	1878	3669783	700793	5.24
3	Dec-10	1483	2183	3237932	712032	4.55

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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-10	1430298	2555214	0.56
2	Nov-10	2093820	2581334	0.81
3	Dec-10	884203	2609095	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 = R _i *N _i /N _t (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Oct-10	2739:44:30	491	1344438:49:55	2555214	0:31:34
2	Nov-10	4074:49:15	599	2441800:02:53	2581334	0:56:45
3	Dec-10	1922:14:25	528	1015109:02:23	2609095	0:23:21

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= Im _i *N _{mi} / N _t
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Oct-10	17414	983	17118520	2555214	6.70
2	Nov-10	19002	962	18287321	2581334	7.08
3	Dec-10	14431	1143	16492232	2609095	6.32