

Uttar Gujarat Vij Company Ltd ,Mehsana
QUARTER :-4th January-12 to March12
YEAR :-2011-12

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	Jan-12	746253	1623439	0.46
2	Feb-12	479449	1631444	0.29
3	Mar-12	565433	1682727	0.34

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 /Nt (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Jan-12	274:25:00	3129	858684:20:00	1623439	0:31:44
2	Feb-12	160:55:00	3426	551307:26:00	1631444	0:20:17
3	Mar-12	214:41:00	2911	625016:41:00	1682727	0:22:17

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} / Nt
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Jan-12	4113	2734	11246085	1623439	6.93
2	Feb-12	3458	2749	9504335	1631444	5.83
3	Mar-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	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	Jan-12	233415	794287	0.29
2	Feb-12	144525	795609	0.18
3	Mar-12	166592	808820	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	Jan-12	110:44:00	1724	190953:26:00	794287	0:14:25
2	Feb-12	91:51:00	1167	107185:10:00	795609	0:08:05
3	Mar-12	83:41:00	1663	139122:04:00	808820	0:10:19

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	Jan-12	1684	2860	4816382	794287	6.06
2	Feb-12	1363	2224	3030693	795609	3.81
3	Mar-12	1484	2290	3398268	808820	4.20

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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	Jan-12	143105	350873	0.41
2	Feb-12	106188	356655	0.30
3	Mar-12	108533	358980	0.30

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	Jan-12	1210:23:00	189	229343:47:00	350873	0:39:13
2	Feb-12	904:45:45	180	162895:17:30	356655	0:27:24
3	Mar-12	823:06:00	198	163167:21:00	358980	0:27:16

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	Jan-12	6892	165	1136863	350873	3.24
2	Feb-12	6051	160	970561	356655	2.72
3	Mar-12	7380	157	1158068	358980	3.23

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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	Jan-11	1122773	2768599	0.41
2	Feb-11	730162	2783708	0.26
3	Mar-11	840558	2850527	0.29

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	Jan-11	1595:32:00	802	1278981:33:00	2768599	0:27:43
2	Feb-11	1157:31:45	710	821387:53:30	2783708	0:17:42
3	Mar-11	1121:28:00	827	927306:06:00	2850527	0:19:31

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	Jan-11	12689	1355	17199330	2768599	6.21
2	Feb-11	10872	1242	13505589	2783708	4.85
3	Mar-11	12900	1181	15234351	2850527	5.34