

Uttar Gujarat Vij Company Ltd ,Mehsana
QUARTER :-4th January-11 to March11
YEAR :-2010-11

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-11	537934	1592159	0.34
2	Feb-11	554001	1599452	0.35
3	Mar-11	613345	1612090	0.38

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	Jan-11	204:32:00	2583	528345:34:00	1592159	0:20:18
2	Feb-11	201:06:00	2552	513264:54:00	1599452	0:20:18
3	Mar-11	200:15:00	2695	539637:40:00	1612090	0:20:05

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	Jan-11	4487	2640	11844197	1592159	7.59
2	Feb-11	4196	2588	10858636	1599452	6.94
3	Mar-11	4963	2630	13054655	1612090	8.10

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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-11	294305	726817	0.41
2	Feb-11	196408	728536	0.28
3	Mar-11	130155	730958	0.19

SoP 011 - B : System Average Interruption Duration Index (SAIDI) forOther 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-11	139:22:00	1989	277212:38:00	726817	0:23:27
2	Feb-11	102:43:00	1845	189553:27:00	728536	0:16:03
3	Mar-11	77:14:00	1205	93031:11:00	730958	0:08:01

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-11	1733	2445	4237592	726817	5.97
2	Feb-11	1463	2150	3144942	728536	4.44
3	Mar-11	1658	1903	3154626	730958	4.53

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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-11	120746	316110	0.38
2	Feb-11	100863	319919	0.33
3	Mar-11	102635	322647	0.32

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 /N _t (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Jan-11	1202:52:00	135	162354:17:15	316110	0:30:49
2	Feb-11	960:23:00	146	140005:09:15	319919	0:27:28
3	Mar-11	836:03:10	165	138129:15:38	322647	0:25:41

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-11	8026	162	1299872	316110	4.11
2	Feb-11	6811	154	1046427	319919	3.42
3	Mar-11	7460	158	1178229	322647	3.65

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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	952985	2638649	0.36
2	Feb-11	851272	2647907	0.32
3	Mar-11	846135	2665695	0.32

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	1546:46:00	626	967912:29:15	2638649	0:22:01
2	Feb-11	1264:12:00	667	842823:30:15	2647907	0:19:06
3	Mar-11	1113:32:10	692	770798:06:38	2665695	0:17:31

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	14246	1220	17381661	2638649	6.59
2	Feb-11	12470	1207	15050005	2647907	5.68
3	Mar-11	14081	1235	17387510	2665695	6.52