

Uttar Gujarat Vij Company Ltd ,Mehsana
QUARTER :-2nd July 11 to Sept 11
Year 2011-12

SoP 011 - A : System Average Interruption Frequency Index (SAIFI) for AG. 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	Jul-11	709445	327227	2.17
2	Aug-11	653503	335309	1.95
3	Sep-11	490279	342590	1.43

SoP 011 - B : System Average Interruption Duration Index (SAIDI) for AG. category

Sr. No	Month	R _i = Restoration Time for each sustained interruption	N _i - Number of interrupted Customers for each	R _i * N _i - Total customer interruption Duration	N _T - Total No of customers served (in	SAIDI = Ri*Ni/Nt (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Jul-11	7892:02:25	177	1396044:51:40	327227	4:15:59
2	Aug-11	6036:40:20	191	1154226:25:00	335309	3:26:32
3	Sep-11	3775:32:51	223	840413:21:50	342590	2:27:11

SoP 011 - C : Momentary Average Interruption Frequency Index (MAIFI) for AG. 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	Jul-11	14682	158	2314882	327227	7.07
2	Aug-11	13676	167	2284187	335309	6.81
3	Sep-11	12538	171	2146701	342590	6.27

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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	Jul-11	4002581	1641110	2.44
2	Aug-11	3426901	1662151	2.06
3	Sep-11	2629363	1652721	1.59

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	Jul-11	2181:29:00	2597	5665751:06:00	1641110	3:27:09
2	Aug-11	1585:22:15	2704	4286273:59:50	1662151	2:34:44
3	Sep-11	1219:20:00	2875	3505855:51:00	1652721	2:07:17

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= Imi*Nmi/ Nt
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Jul-11	6975	2622	18288124	1641110	11.14
2	Aug-11	7274	2600	18914369	1662151	11.38
3	Sep-11	6792	2601	17665813	1652721	10.69

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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	Jul-11	1281838	749134	1.71
2	Aug-11	807034	739760	1.09
3	Sep-11	601592	747751	0.81

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	Jul-11	711:43:00	1734	1234347:11:00	749134	1:38:52
2	Aug-11	416:40:55	1822	759068:26:20	739760	1:01:34
3	Sep-11	286:47:00	1644	471466:41:00	747751	0:37:50

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	Jul-11	2761	2449	6760448	749134	9.02
2	Aug-11	2412	2308	5567114	739760	7.53
3	Sep-11	2126	2256	4796635	747751	6.41

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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	Jul-11	5993864	2717471	2.21
2	Aug-11	4887438	2737220	1.79
3	Sep-11	3721234	2743062	1.36

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	Jul-11	10785:14:25	769	8296143:08:40	2717471	3:03:10
2	Aug-11	8038:43:30	771	6199568:51:10	2737220	2:15:54
3	Sep-11	5281:39:50	912	4817735:53:50	2743062	1:45:23

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	Jul-11	24418	1121	27363454	2717471	10.07
2	Aug-11	23362	1146	26765670	2737220	9.78
3	Sep-11	21456	1147	24609149	2743062	8.97