

Uttar Gujarat Vij Company Ltd ,Mehsana
QUARTER :-1st April-12 to June12
YEAR :-2012-13

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	Apr-12	139777	352707	0.40
2	May-12	162498	355907	0.46
3	Jun-12	363845	354833	1.03

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	Apr-12	1109:22:00	200	221772:24:01	352707	0:37:44
2	May-12	1296:24:15	192	249061:17:58	355907	0:41:59
3	Jun-12	4502:51:00	154	693443:25:01	354833	1:57:15

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= Imi*Nmi/ Nt
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Apr-12	7907	164	1294327	352707	3.67
2	May-12	7481	156	1168681	355907	3.28
3	Jun-12	10440	166	1733456	354833	4.89

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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	Apr-12	918798	1651263	0.56
2	May-12	849569	1651155	0.51
3	Jun-12	2190741	1654296	1.32

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	Apr-12	304:08:00	3266	993438:12:00	1651263	0:36:06
2	May-12	290:30:30	2991	869000:24:20	1651155	0:31:35
3	Jun-12	1191:00:05	2382	2836479:23:50	1654296	1:42:53

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	Apr-12	4764	2854	13594535	1651263	8.23
2	May-12	4309	2669	11499334	1651155	6.96
3	Jun-12	5519	2558	14119115	1654296	8.53

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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	Apr-12	309944	720403	0.43
2	May-12	269155	722613	0.37
3	Jun-12	1053481	722264	1.46

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 = R _i *N _i /N _t (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Apr-12	156:31:00	1551	242825:29:00	720403	0:20:13
2	May-12	98:41:00	2291	226059:39:00	722613	0:18:46
3	Jun-12	500:49:15	1861	931920:02:15	722264	1:17:25

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= Im _i *N _{mi} / N _t
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Apr-12	1607	2605	4186868	720403	5.81
2	May-12	1410	2814	3967620	722613	5.49
3	Jun-12	1988	2525	5020295	722264	6.95

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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	Apr-12	1368519	2765956	0.49
2	May-12	1281222	2771258	0.46
3	Jun-12	3608067	2772976	1.30

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	Apr-12	1570:01:00	929	1458036:05:01	2765956	0:31:38
2	May-12	1685:35:45	797	1344121:21:18	2771258	0:29:06
3	Jun-12	6194:40:20	720	4461842:51:06	2772976	1:36:33

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= lmi*Nmi/ Nt
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Apr-12	14278	1336	19075730	2765956	6.90
2	May-12	13246	1256	16635635	2771258	6.00
3	Jun-12	18024	1158	20872866	2772976	7.53