

Uttar Gujarat Vij Company Ltd ,Mehsana
QUARTER :-2nd July 12 to Sept 12
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	Jul-12	492952	360644	1.37
2	Aug-12	532956	363015	1.47
3	Sep-12	573174	363554	1.58

SoP 011 - B : System Average Interruption Duration Index (SAIDI) for AG. Dominant 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	SAIDI = Ri*Ni/Nt (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Jul-12	5355:46:00	184	983731:23:01	360644	2:43:40
2	Aug-12	4986:19:00	192	956603:44:05	363015	2:38:07
3	Sep-12	5049:46:00	185	932509:42:00	363554	2:33:54

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	Jul-12	12059	163	1964945	360644	5.45
2	Aug-12	12997	166	2155788	363015	5.94
3	Sep-12	13017	168	2183824	363554	6.01

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SoP 011 - A : System Average Interruption Frequency Index (SAIFI) for JGY category

Sr. No	Month	Ni - 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-12	3396188	1652334	2.06
2	Aug-12	2265316	1653528	1.37
3	Sep-12	2336126	1660899	1.41

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

Sr. No	Month	Ri = Restoration Time for each sustained interruption event (in hours)	Ni - Number of interrupted Customers for each sustained interruption event (in numbers)	Ri* Ni - 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-12	1632:05:00	7621	12438397:34:16	1652334	7:31:40
2	Aug-12	1093:37:00	2283	2496240:12:00	1653528	1:30:35
3	Sep-12	1033:47:00	2590	2677283:47:00	1660899	1:36:43

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	Jul-12	5683	2424	13776229	1652334	8.34
2	Aug-12	5487	2614	14341706	1653528	8.67
3	Sep-12	5526	2681	14813725	1660899	8.92

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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 = N _i /N _T (Monthly SAIFI)
1	2	3	4	5= 3 / 4
1	Jul-12	881120	724201	1.22
2	Aug-12	651637	767959	0.85
3	Sep-12	472967	769011	0.62

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	Jul-12	448:24:00	1821	816679:43:00	724201	1:07:40
2	Aug-12	400:17:00	939	375847:29:04	767959	0:29:22
3	Sep-12	309:54:48	1337	414271:03:00	769011	0:32:19

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= IM _i *N _{mi} / N _T
1	2	3	4	5 = 3 * 4	6	7= 5 / 6
1	Jul-12	1762	2396	4222505	724201	5.83
2	Aug-12	1834	2159	3960265	767959	5.16
3	Sep-12	1892	2202	4165257	769011	5.42

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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-12	4770260	2778762	1.72
2	Aug-12	3449909	2784502	1.24
3	Sep-12	3382267	2793464	1.21

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	Jul-12	7436:15:00	1915	14238808:40:17	2778762	5:07:27
2	Aug-12	6480:13:00	591	3828691:25:09	2784502	1:22:30
3	Sep-12	6393:27:48	629	4024064:32:00	2793464	1:26:26

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	Jul-12	19584	1019	19963679	2778762	7.18
2	Aug-12	20343	1006	20457759	2784502	7.35
3	Sep-12	20435	1036	21162806	2793464	7.58