



Uttar Gujarat Vij Company Ltd.

QUARTER :- 2nd (July-15 to Sept-15)

YEAR :-2015-16

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)	CI=Σ Ni	SAIFI = Σ Ni/Nt (Monthly SAIFI)
1	2	3	4	5	6=5/4
1	Jul-15	377092	408995	2708409	6.62
2	Aug-15	365571	408269	2369918	5.80
3	Sep-15	358521	410800	1734429	4.22

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)	Customer Intt. Duration CMI = ΣR _i *N _i	SAIDI = ΣR _i *N _i /Nt (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Jul-15	129174:13	377092		408995	18382479:08	44:56
2	Aug-15	60351:08	365571		408269	8955231:23	21:56
3	Sep-15	18831:07	358521		410800	3416297:24	8:18

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 Momentary interruptions (in numbers)	N _t - Total no of customers served (in numbers)	Customer Intt. ΣIm _i *N _{mi}	MAIFI=ΣIm _i *N _{mi} /Nt
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Jul-15	18718	384668		408995	3605970	8.82
2	Aug-15	30518	385726		408269	2871999	7.03
3	Sep-15	11774	388753		410800	2212776	5.39

N.B. 1 Interruption due to cyclone from 25.7.15 to 29.7.15 are included for month of July-15

2 SAIDI parameters are high in August because Cyclone restoration work was ongoing in August-15



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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)	CI=Σ Ni	SAIFI = Σ Ni/Nt (Monthly SAIFI)
1	2	3	4	5	6=5/4
1	Jul-15	1682991	1842509	12774773	6.93
2	Aug-15	1425833	1843846	7288658	3.95
3	Sep-15	1538561	1822766	5807015	3.19

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)	Customer Intt. Duration CMI = ΣR _i *N _i	SAIDI = ΣR _i *N _i /Nt (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Jul-15	15045:27	1682991		1842509	35408220:56	19:13
2	Aug-15	4604:21	1425833		1843846	10563401:01	05:43
3	Sep-15	3366:10	1538561		1822766	7824626:41	04:17

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 Momentary interruptions (in numbers)	N _t - Total no of customers served (in numbers)	Customer Intt. ΣIm _i *N _{mi}	MAIFI=ΣIm _i *N _{mi} /N _t
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Jul-15	8415	1770259		1842509	21556721	11.70
2	Aug-15	6293	1724397		1843846	16761061	9.09
3	Sep-15	4736	1765605		1822766	12328487	6.76

N.B. Interruption due to cyclone from 25.7.15 to 29.7.15 are included for month of July-15
SAIDI parameters are high in August because Cyclone restoration work was ongoing in August-15



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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)	CI=Σ Ni	SAIFI = Σ Ni/Nt (Monthly SAIFI)
1	2	3	4	5	6=5/4
1	Jul-15	737586	856201	5508511	6.43
2	Aug-15	657284	865718	3132488	3.62
3	Sep-15	619488	865352	2300679	2.66

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)	Customer Intt. Duration CMI = ΣR _i *N _i	SAIDI = ΣR _i *N _i /Nt (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Jul-15	8251:59	737586		856201	10568239:24	12:20
2	Aug-15	2929:38	657284		865718	3033869:20	03:30
3	Sep-15	2108:20	619488		865352	2662064:42	03:04

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 Momentary interruptions (in numbers)	N _t - Total no of customers served (in numbers)	Customer Intt. ΣIm _i *N _{mi}	MAIFI=ΣIm _i *N _{mi} /Nt
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Jul-15	2978	791886		856201	5558299	6.49
2	Aug-15	2091	767650		865718	3895060	4.50
3	Sep-15	1647	735017		865352	2885277	3.33

N.B. Interruption due to cyclone from 25.7.15 to 29.7.15 are included for month of July-15
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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)	CI=Σ Ni	SAIFI = Σ Ni/Nt (Monthly SAIFI)
1	2	3	4	5	6=5/4
1	Jul-15	2797669	3107705	20991693	6.75
2	Aug-15	2448688	3117833	12791064	4.10
3	Sep-15	2516570	3098918	9842123	3.18

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)	Customer Intt. Duration CMI = ΣR _i *N _i	SAIDI = ΣR _i *N _i /Nt (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Jul-15	29822:00	2797669		3107705	64358939:30	20:42
2	Aug-15	67885:07	2448688		3117833	22552501:44	07:14
3	Sep-15		2516570		3098918	13902988:48	04:29

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 Momentary interruptions (in numbers)	N _t - Total no of customers served (in numbers)	Customer Intt. ΣIm _i *N _{mi}	MAIFI=ΣIm _i *N _{mi} /Nt
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Jul-15	30111	2946813		3107705	30720990	9.89
2	Aug-15	38902	2877773		3117833	23528120	7.55
3	Sep-15	18157	2889375		3098918	17426540	5.62

N.B. Interruption due to cyclone from 25.7.15 to 29.7.15 are included for month of July-15
SAIDI parameters are high in August because Cyclone restoration work was ongoing in August-15