

QUARTER :-3rd (Oct-15 to Dec-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	Oct-15	316542	409432	1277648	3.12
2	Nov-15	280411	411717	962029	2.34
3	Dec-15	300012	412255	1102615	2.67

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	Oct-15	11301:15	316542		409432	2274165:33	5:33
2	Nov-15	8162:04	280411		411717	1651637:45	4:00
3	Dec-15	12651:52	300012		412255	2177326:06	5:16

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	Oct-15	9022	383693		409432	1831138	4.47
2	Nov-15	8687	380561		411717	1655668	4.02
3	Dec-15	8023	380448		412255	1616722	3.92

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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	Oct-15	1404679	1826399	3858783	2.11
2	Nov-15	1196858	1830724	2874121	1.57
3	Dec-15	1307535	1832686	3556753	1.94

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	Oct-15	2680:51	1404679		1826399	6717678:28	3:40
2	Nov-15	1666:52	1196858		1830724	4058530:44	2:13
3	Dec-15	3021:43	1307535		1832686	7087743:47	3:52

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} /Nt
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Oct-15	3968	1773454		1826399	10479638	5.74
2	Nov-15	3724	1774137		1830724	9839235	5.37
3	Dec-15	3567	1750816		1832686	9537211	5.20

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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 = $\frac{\sum Ni}{N_t}$ (Monthly SAIFI)
1	2	3	4	5	6=5/4
1	Oct-15	627600	865103	1787860	2.07
2	Nov-15	535052	869879	1184082	1.36
3	Dec-15	649162	868992	1879788	2.16

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 = $\frac{\sum Ri * Ni}{N_t}$	SAIDI = $\frac{\sum Ri * Ni}{N_t}$ (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Oct-15	2104:57	627600		865103	2978752:39	3:26
2	Nov-15	1276:31	535052		869879	1252554:56	1:26
3	Dec-15	3094:19	649162		868992	3443902:49	3:57

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. $\frac{\sum Im_i * N_{mi}}{N_t}$	MAIFI = $\frac{\sum Im_i * N_{mi}}{N_t}$
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Oct-15	1429	722054		865103	2577268	2.98
2	Nov-15	1356	728298		869879	2446979	2.81
3	Dec-15	1358	759780		868992	2568301	2.96



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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	Oct-15	2348821	3100934	6924291	2.23
2	Nov-15	2012321	3112320	5020232	1.61
3	Dec-15	2256709	3113933	6539156	2.10

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	Oct-15	16087:03	2348821		3100934	11970596:40	3:51
2	Nov-15	11105:28	2012321		3112320	6962723:25	2:14
3	Dec-15	18767:54	2256709		3113933	12708972:42	4:04

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	Oct-15	14419	2879201		3100934	14888044	4.80
2	Nov-15	13767	2882996		3112320	13941882	4.48
3	Dec-15	12948	2891044		3113933	13722234	4.41