

QUARTER :-1st (April-14 to June-14)
YEAR :-2014-15

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 = $\sum Ni/Nt$ (Monthly SAIFI)
1	2	3	4	5	6=5/4
1	Apr-14	262368	370549	1100331	2.97
2	May-14	289204	375564	1218774	3.25
3	Jun-14	289713	378577	1367216	3.61

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 = $\sum Ri*Ni$	SAIDI = $\sum Ri*Ni/Nt$ (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Apr-14	11304:10	262368		370549	2162509:08	5:50
2	May-14	18437:20	289204		375564	2785747:29	7:25
3	Jun-14	15306:23	289713		378577	2764693:20	7:18

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. $\sum Imi*Nmi$	MAIFI= $\sum Imi*Nmi/Nt$
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Apr-14	8737	336815		370549	1569402	4.24
2	May-14	10940	349726		375564	1897138	5.05
3	Jun-14	10841	351364		378577	1915435	5.06

Note:- Reliable Indices increased in May-2014 due to Cyclone effect on Dt. 12/13/17/26/27.5.2014

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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/N _t (Monthly SAIFI)
1	2	3	4	5	6=5/4
1	Apr-14	1272619	1717968	3407397	1.98
2	May-14	1447495	1714096	5598926	3.27
3	Jun-14	1481214	1722917	5934269	3.44

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 /N _t (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Apr-14	2234:48	1272619		1717968	4505391:50	2:37
2	May-14	3776:20	1447495		1714096	8905255:35	5:11
3	Jun-14	3634:35	1481214		1722917	8778631:15	5:05

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	Apr-14	3947	1672789		1717968	10652042	6.20
2	May-14	4937	1663861		1714096	12977068	7.57
3	Jun-14	4781	1674102		1722917	12782585	7.42

Note:- Reliable Indices increased in May-2014 due to Cyclone effect on Dt. 12/13/17/26/27.5.2014



Uttar Gujarat Vij Company Ltd.

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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	Apr-14	611159	846000	1955813	2.31
2	May-14	670629	805286	2399776	2.98
3	Jun-14	677640	816937	2447289	3.00

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	Apr-14	2538:38	611159		846000	2306232:12	2:43
2	May-14	3137:51	670629		805286	2982278:10	3:42
3	Jun-14	3518:24	677640		816937	3713569:44	4:32

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	Apr-14	1631	733611		846000	2944753	3.48
2	May-14	1776	723675		805286	3204481	3.98
3	Jun-14	1835	747697		816937	3422662	4.19

Note:- Reliable Indices increased in May-2014 due to Cyclone effect on Dt. 12/13/17/26/27.5.2014

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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 = $\frac{\sum Ni}{N_t}$ (Monthly SAIFI)
1	2	3	4	5	6=5/4
1	Apr-14	2146146	2934517	6463541	2.20
2	May-14	2407328	2894946	9217476	3.18
3	Jun-14	2448567	2918431	9748774	3.34

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 = $\sum Ri * Ni$	SAIDI = $\frac{\sum Ri * Ni}{N_t}$ (Monthly SAIDI)
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Apr-14	16077:38	2146146		2934517	8974133:11	3:03
2	May-14	25351:31	2407328		2894946	14673281:15	5:04
3	Jun-14	22459:22	2448567		2918431	15256894:19	5:13

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. $\sum Im_i * N_{mi}$	MAIFI= $\frac{\sum Im_i * N_{mi}}{N_t}$
1	2	3	4	5 = 3 * 4	6	7	8=7/6
1	Apr-14	14315	2743215		2934517	15166197	5.17
2	May-14	17653	2737262		2894946	18078687	6.24
3	Jun-14	17457	2773163		2918431	18120682	6.21

Note:- Reliable Indices increased in May-2014 due to Cyclone effect on Dt. 12/13/17/26/27.5.2014