

**Uttar Gujarat Vij Company Ltd ,Mehsana**

YEAR :-2010-11

**SoP 011 - A : System Average Interruption Frequency Index (SAIFI)**

<b>Sr. No.</b>	<b>Month</b>	<b>Ni-Total No.of customers for each sustained interruptions (in numbers)</b>	<b>Nt-Total No.of customers served (in numbers)</b>	<b>SAIFI= Ni/Nt (Monthly SAIFI)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5=3/4</b>
1	<b>Apr-10</b>	1382196	2411501	<b>0.57</b>
2	<b>May-10</b>	1366905	2416217	<b>0.57</b>
3	<b>Jun-10</b>	4658438	2459866	<b>1.89</b>
4	<b>July' 10</b>	5143569	2482750	<b>2.07</b>
5	<b>Aug.' 10</b>	4166137	2499524	<b>1.67</b>
6	<b>Sept.' 10</b>	2428299	2514813	<b>0.97</b>
7	<b>Oct-10</b>	1430298	2555214	<b>0.56</b>
8	<b>Nov-10</b>	2093820	2581334	<b>0.81</b>
9	<b>Dec-10</b>	884203	2609095	<b>0.34</b>
10	<b>Jan-11</b>	952985	2638649	<b>0.36</b>
11	<b>Feb-11</b>	851272	2647907	<b>0.32</b>
12	<b>Mar-11</b>	846135	2665695	<b>0.32</b>

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### SoP 011 - B : System Average Duration Index (SAIDI)

Sr. No.	Month	Ri-Restoration time for each interruption event (in Hrs)	Ni-No.of interrupted customers for each sustained interruption event (in numbers)	Ri * Ni - Total customer interruption duration (in Customers Hours)	Nt-Total No.of customers served (in Numbers)	SAIDI= $\frac{Ri * Ni}{Nt}$ Monthly SAIDI (in HH:MM)
1	2	3	4	(5)=(3)*(4)	6	(7) = (5) / (6)
1	<b>Apr-10</b>	2231:27:00	1616	1606344:26:00	2411501	<b>0:39:58</b>
2	<b>May-10</b>	2467:37:00	1786	1411461:16:00	2416217	<b>0:35:03</b>
3	<b>Jun-10</b>	9192:46:10	4787	6487560:14:00	2459866	<b>2:44:59</b>
4	<b>July' 10</b>	12154:40:00	578.7169022	7034111:02:25	2482750	<b>2:49:59</b>
5	<b>Aug.' 10</b>	8182:17:00	648.6915712	5307778:13:52	2499524	<b>2:07:25</b>
6	<b>Sept.' 10</b>	3994:46:00	724.4053223	2893830:14:05	2514813	<b>1:09:03</b>
7	<b>Oct-10</b>	2739:44:30	490.7173725	1344438:49:55	2555214	<b>0:31:34</b>
8	<b>Nov-10</b>	4074:49:15	599.2410827	2441800:02:53	2581334	<b>0:56:45</b>
9	<b>Dec-10</b>	1922:14:25	528.0864476	1015109:02:23	2609095	<b>0:23:21</b>
10	<b>Jan-11</b>	1546:46:00	625.7650287	967912:29:15	2638649	<b>0:22:01</b>
11	<b>Feb-11</b>	1264:12:00	666.6852588	842823:30:15	2647907	<b>0:19:06</b>
12	<b>Mar-11</b>	46.39733796	692.2075564	770798:06:38	2665695	<b>0:17:21</b>

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### SoP 011 - C : Momentary Average Interruption frequency Index (MAIFI)

Sr. No.	Month	Imi=Number of momentary interruptions for the month (in numbers)	Nmi=Total No.of constomers for each momentary interruptions (in numbers)	Imi*Nmi- No.of constomers momentary interruptions (in numbers)	N <sub>T</sub> -Total No.of customers served (in numbers)	MAIFI= Imi*Nmi/N <sub>T</sub>
1	2	3	4	(5)=(3)*(4)	6	(7) = (5) / (6)
1	<b>Apr-10</b>	15029	1068	16044845	2411501	<b>6.65</b>
2	<b>May-10</b>	14913	1055	15739988	2416217	<b>6.51</b>
3	<b>Jun-10</b>	19704	1132	22304179	2459866	<b>9.07</b>
4	<b>July' 10</b>	23591	1045.72	24669522	2482750	<b>9.94</b>
5	<b>Aug.' 10</b>	25282	955.56	24158423	2499524	<b>9.67</b>
6	<b>Sept.' 10</b>	19670	1093.21	21503457	2514813	<b>8.55</b>
7	<b>Oct-10</b>	17414	983.03	17118520	2555214	<b>6.70</b>
8	<b>Nov-10</b>	19002	962.39	18287321	2581334	<b>7.08</b>
9	<b>Dec-10</b>	14431	1142.83	16492232	2609095	<b>6.32</b>
10	<b>Jan-11</b>	14246	1220.11	17381661	2638649	<b>6.59</b>
11	<b>Feb-11</b>	12470	1206.90	15050005	2647907	<b>5.68</b>
12	<b>Mar-11</b>	14081	1234.82	17387510	2665695	<b>6.52</b>