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1. BACKGROUND

Further to the ARR and Tariff Petition for FY 11-12 filed by the petitioner, the following changes are proposed by the way of this Supplementary Petition.

- The petitioner proposes to increase the incentive on use of solar water heaters by the domestic consumers from the earlier rebate of 5 paise per unit to 25 paise per unit with a view to encourage consumers for usage of solar water heaters.
- The Time of Day(TOD) slots have been revised based on the actual information on the Load Curve of the licensee. Further the rebate for usage of electricity during off peak hours has been revised to 10%.

The above proposals are being submitted to the Honorable Commission for its approval.

2. SOLAR POWER INCENTIVE

- 2.1. There is continued shortage of power in northern region and conservation of energy by use of non conventional sources of energy is the pragmatic solution. If domestic consumers use Solar Water Heaters instead of Geysers, large quantity of energy can be saved and morning peak demand in winter season can also be reduced. In present tariff a rebate of 5 paisa per unit is allowed to domestic consumers if they use solar water heaters. This incentive of 5 paisa per unit is less and has not attracted domestic consumers for use of solar water heaters. If this incentive is increased matching with the probable capital investment required to be made by consumers for purchase of solar water heater more consumers would be attracted to use these heaters.
- 2.2. It is therefore proposed to increase the present rate of incentive from 5 paisa/unit to 25 paisa/unit subject to a maximum of Rs. 300 per month and for a maximum period of 5 years.
- 2.3. It is also expected that with this proposal having made, the load curve will get flattened in view of substantial rebate proposals for use of Solar Water Heaters by Domestic consumer.

3. TIME OF DAY TARIFF (TOD) :

- 3.1. Time of Day (ToD) Tariff - ToD is an important Demand Side management tool and is being widely used by different states to flatten their load curve. To encourage shift of load to night off-peak hours, ToD tariff is used as a two-pronged tool, i.e., both to incentivize consumption during off-peak hours and offer disincentives for consumption during peak hours.
- 3.2. The National Electricity Policy also emphasizes on the ToD metering. As per NEP “in order to reduce the requirements for capacity additions, the difference between electrical power demand during peak periods and off-peak periods would have to be reduced. Suitable load management techniques should be adopted for this purpose. Differential tariff structure for peak and off peak supply and metering arrangements (Time of Day metering) should be conducive to load management objectives”
- 3.3. Further, the Commission vide Para 82 its Rationalization of Retail Tariffs Order dated 31.8.07 had directed the DISCOMs to include the concept of ToD tariff mechanism.
- 3.4. Discom therefore proposes to implement the ToD tariff for all HT consumers having contracted demand above 50 KVA except HT domestic, HT agriculture consumers and supply used for Railway Traction. For the ToD tariff purpose, peak and off-peaks hours and applicable surcharge and rebate are proposed as under:
- 3.5. Perusal of Load Curve of Peak, Off Peak Hours and Normal Hours reveal that more or less Peak Hours Falls between 18 Hours to 23 Hours throughout the year and between 06 Hours to 09 Hours in the winter months from October to March and also during this period the frequency of the grid is normally low and heavy UI charges are to be paid by the Discom for any over drawal.
- 3.6. Accordingly the following TOD Tariff is proposed by the Discom.

Table 1: ToD Time Slots and Surcharge/Rebate

Definition	Time Slot	Surcharge / (Rebate) in Energy Charges
Peak Hours	18:00 Hours to 23:00 Hours(throughout the	+10% (Surcharge)

Definition	Time Slot	Surcharge / (Rebate) in Energy Charges
	year) 06 Hours to 09 Hours(October to March)	
Off Peak Hours	23:00 Hours to 05:00 Hours	-10% (Rebate)

- 3.7. By proposing the surcharge of 10% during the peak hours and 10% rebate during the off peak hours Discoms expects that it would be in a better position as far as load management is concerned besides improving its financial position as energy purchased during the peak Hours is very costly.
- 3.8. The Load Curve of various months has been attached as Annexure 1.
- 3.9. The daily load details have been attached as Annexure 2. The cells of time and rate have been highlighted to support the revision of TOD slots.

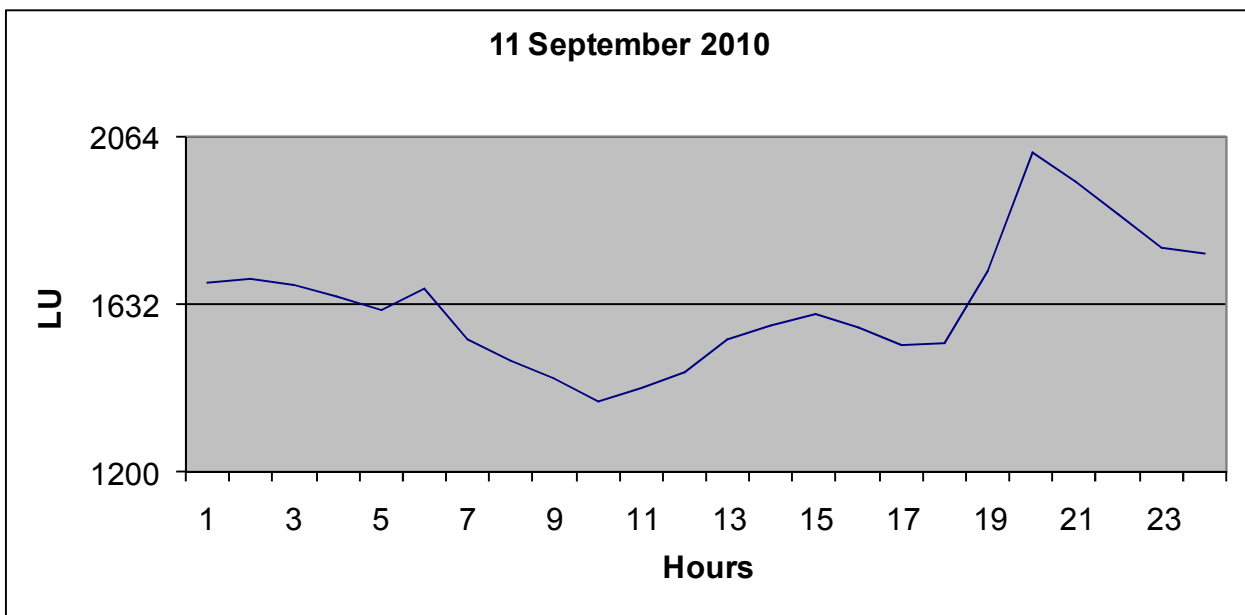
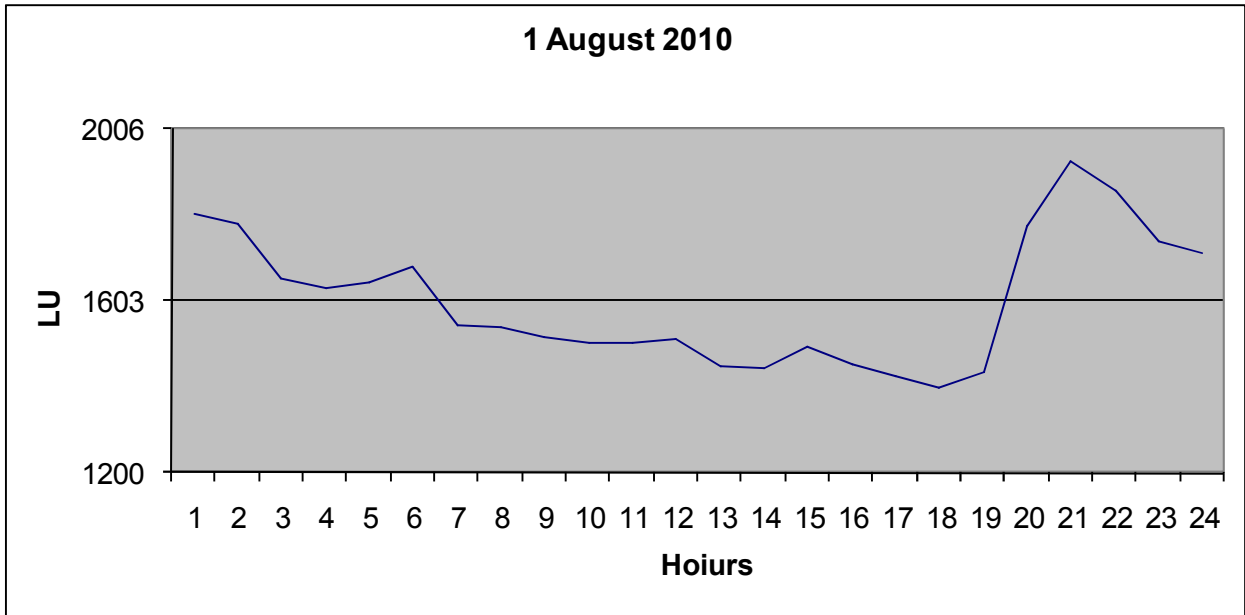
4. PRAYER

4.1. Jaipur Vidyut Vitran Nigam Ltd requests the Honourable Commission to:

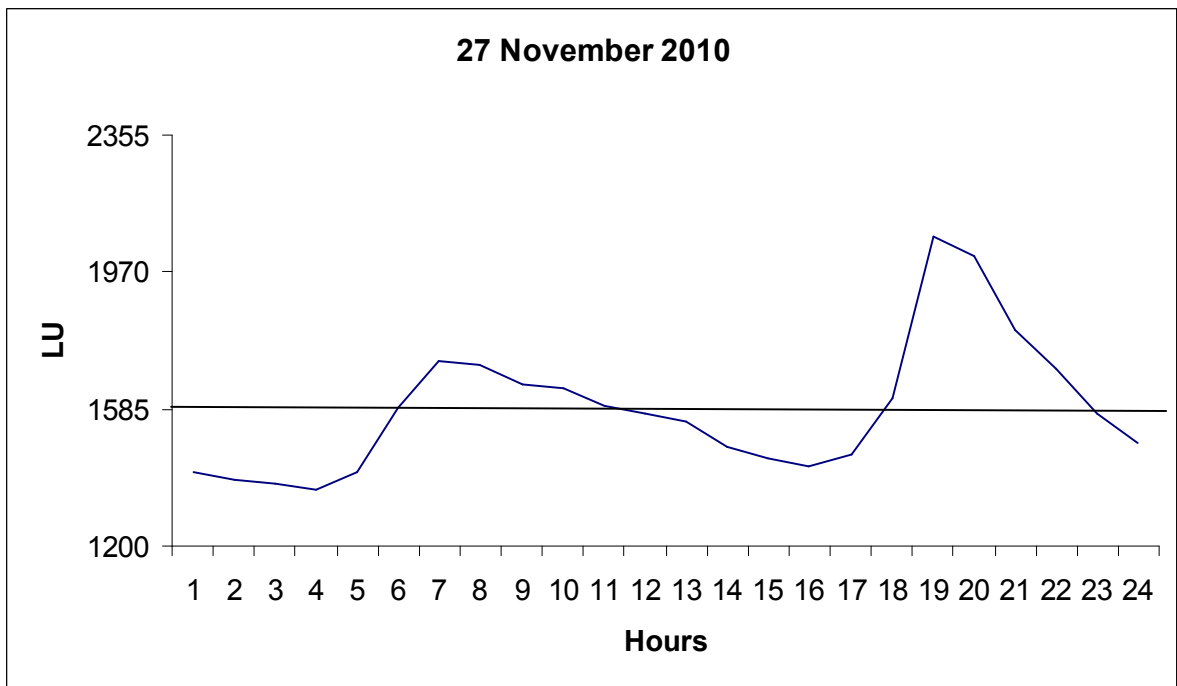
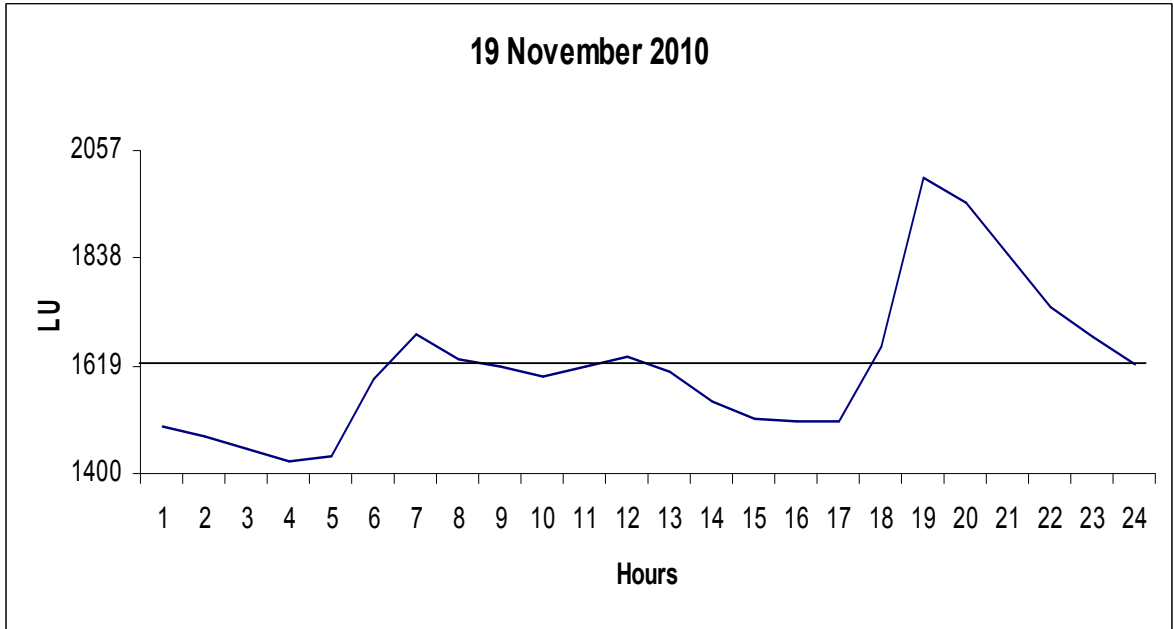
- Admit the Supplementary Petition in addition to the ARR & Retail Supply Tariff petition already submitted herewith.
- Condone any inadvertent omissions/ errors/ shortcomings and permit the Licensee to add/ change/ modify/ alter this filing and make further submissions as may be required at a future date.
- Allow the Licensee to submit necessary additional information required by the Commission during the processing of this petition.
- Pass such other and further orders as are deemed fit and proper in the facts and circumstances of the case.

Load Curves of JVVNL showing evening peak hours

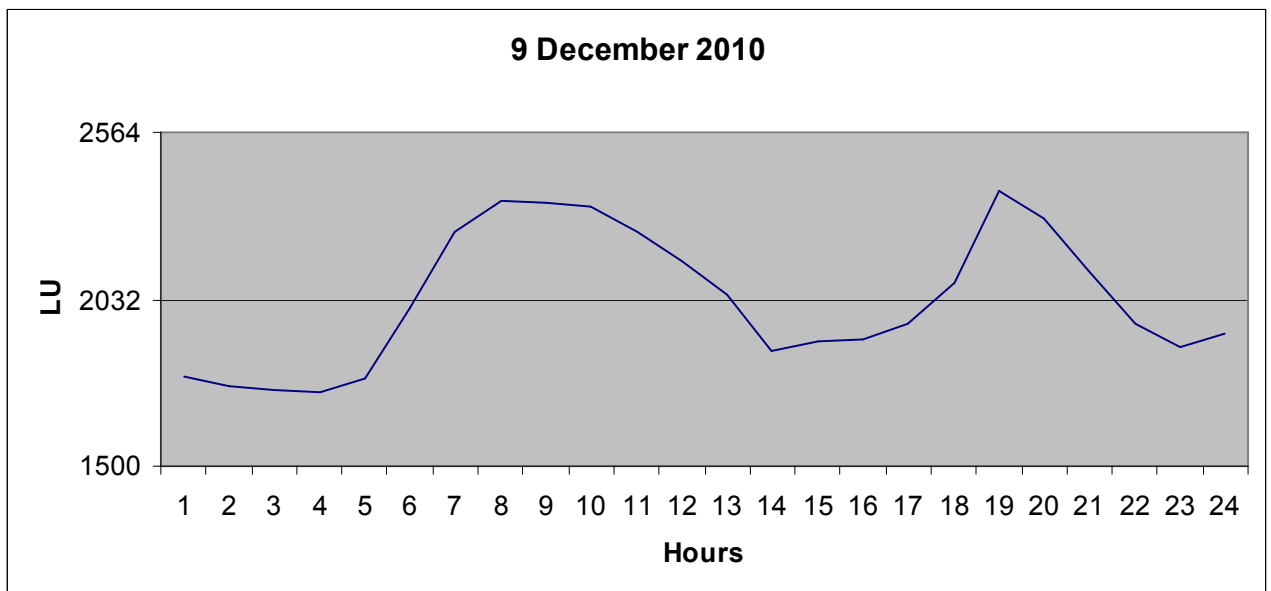
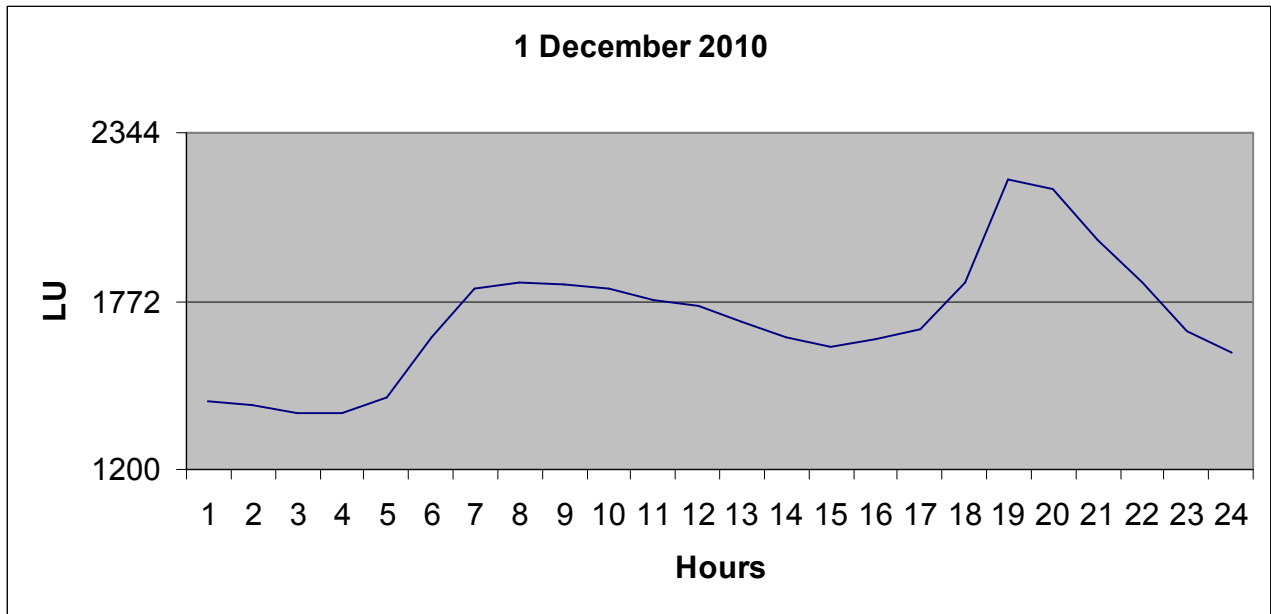
Annexure - 1



Load Curves of JVVNL showing morning and evening peak hours



Load Curves of JVVNL showing morning and evening peak hours



DATE	Time	Frequency	RATE (RS.)	Jaipur Discom schedule	Jaipur Discom Drawl	Jaipur Discom OD/UD
01-Jan-10	09:45	49.64	5.44	2073	2409	336
02-Jan-10	18:30	49.37	12.22	1908	2407	499
03-Jan-10	09:15	50.24	-0.16	2063	2363	300
04-Jan-10	18:15	49.71	3.88	1706	2391	685
05-Jan-10	08:00	49.34	12.22	2035	2369	335
06-Jan-10	18:45	49.66	4.97	2251	2401	150
07-Jan-10	18:15	49.54	7.79	1997	2459	462
08-Jan-10	19:45	49.42	12.22	2002	2384	382
09-Jan-10	18:45	49.37	12.22	1960	2442	482
10-Jan-10	18:45	49.66	4.97	2251	2401	150
11-Jan-10	18:45	49.68	4.50	2263	2507	244
12-Jan-10	08:45	49.39	12.22	2163	2400	237
13-Jan-10	11:30	49.45	12.22	1962	2325	362
14-Jan-10	11:15	49.69	4.50	1962	2315	353
15-Jan-10	19:00	49.67	4.97	2084	2426	342
16-Jan-10	19:00	49.47	12.22	2012	2455	443
17-Jan-10	10:45	49.51	8.73	1922	2478	556
18-Jan-10	19:00	49.16	17.46	1964	2427	463
19-Jan-10	08:15	49.75	3.57	2004	2409	405
20-Jan-10	09:30	49.56	7.32	2005	2430	425
21-Jan-10	08:15	49.75	3.57	2025	2479	454
22-Jan-10	09:00	49.60	6.38	2026	2506	479
23-Jan-10	08:45	49.54	7.79	2029	2419	390
24-Jan-10	08:00	49.48	12.22	2032	2417	385
25-Jan-10	09:00	49.69	4.50	1974	2478	504
26-Jan-10	09:00	49.51	8.73	2061	2450	389
27-Jan-10	09:15	49.83	3.10	2017	2445	428
28-Jan-10	08:00	49.76	3.57	2072	2500	428
29-Jan-10	07:00	49.39	12.22	2171	2491	320
30-Jan-10	07:15	49.58	6.85	2109	2488	380
31-Jan-10	07:45	49.69	4.50	2238	2524	286
			17.46			
01-Feb-10	08:15	50.01	1.71	2189	2504	314
02-Feb-10	08:45	49.88	2.64	2180	2531	351
03-Feb-10	09:15	49.83	3.10	2245	2517	273
04-Feb-10	11:00	49.95	2.02	2179	2525	346
05-Feb-10	07:15	49.79	3.41	2247	2542	295
06-Feb-10	08:00	49.54	7.79	2172	2559	387
07-Feb-10	07:15	49.85	2.79	2125	2494	369
08-Feb-10	07:45	49.71	3.88	2084	2544	460
09-Feb-10	19:15	49.75	3.57	2073	2300	227
10-Feb-10	09:45	49.63	5.91	1968	2393	426
11-Feb-10	09:30	49.72	3.88	2106	2399	293
12-Feb-10			17.46			
13-Feb-10			17.46			
14-Feb-10			17.46			

15-Feb-10	08:30	49.66	4.97	2034	2436	402
16-Feb-10			17.46			
17-Feb-10	09:45	49.74	3.72	2094	2426	332
18-Feb-10			17.46			
19-Feb-10			17.46			
20-Feb-10			17.46			
21-Feb-10			17.46			
22-Feb-10			17.46			
23-Feb-10			17.46			
24-Feb-10	08:00	49.97	2.02	2062	2451	389
25-Feb-10	06:30	49.83	3.10	2283	2454	171
26-Feb-10	07:45	49.80	3.26	2176	2584	408
27-Feb-10	06:30	49.92	2.33	2322	2551	229
28-Feb-10	06:45	49.94	2.17	2469	<u>2417</u>	-51
			17.46			
01-Mar-10	06:30	50.21	0.00	2150	2220	70
02-Mar-10	22:45	49.52	8.26	1770	2217	447
03-Mar-10	06:30	49.96	2.02	2313	2426	114
04-Mar-10	06:15	49.73	3.88	2233	2500	267
05-Mar-10	06:45	49.47	12.22	2043	2457	414
06-Mar-10	06:00	49.37	12.22	2016	2495	479
07-Mar-10	06:30	49.73	3.88	2206	2447	241
08-Mar-10	06:15	49.48	12.22	2049	2397	348
09-Mar-10	19:30	49.66	4.97	1890	2430	540
10-Mar-10	06:45	49.45	12.22	2114	2387	273
11-Mar-10	06:15	49.87	2.79	2132	2406	274
12-Mar-10	06:30	49.68	4.50	2208	2442	235
13-Mar-10	06:45	49.71	3.88	2206	2397	191
14-Mar-10	06:15	49.73	3.88	2376	2496	120
15-Mar-10	20:00	49.40	12.22	2019	2374	354
16-Mar-10	19:45	49.49	12.22	1945	2457	513
17-Mar-10	19:45	49.27	12.22	2075	2435	360
18-Mar-10	19:45	49.47	12.22	1870	2380	510
19-Mar-10	19:45	49.21	12.22	1949	2377	429
20-Mar-10	22:45	49.38	12.22	2123	2396	274
21-Mar-10	06:00	49.43	12.22	2103	2284	181
22-Mar-10	19:45	49.43	12.22	2055	2400	345
23-Mar-10	19:45	49.34	12.22	2046	2422	376
24-Mar-10	06:15	49.21	12.22	2108	2356	248
25-Mar-10	22:30	49.19	17.46	1989	2350	361
26-Mar-10	20:00	49.51	8.73	2061	2445	384
27-Mar-10	19:30	49.48	12.22	2046	2355	309
28-Mar-10	06:00	49.33	12.22	2061	2194	134
29-Mar-10	20:00	49.70	4.03	2092	2339	247
30-Mar-10	20:00	49.90	2.48	2042	2356	314
31-Mar-10	20:00	49.74	3.72	2038	2359	320
			17.46			
01-Apr-10	20:00	49.84	2.95	1901	2283	382
02-Apr-10	19:45	49.45	12.22	1859	2267	409
03-Apr-10	21:15	49.10	17.46	1596	2111	515

04-Apr-10	20:00	49.82	3.10	1888	2237	349
05-Apr-10	21:00	49.32	12.22	1887	2219	333
06-Apr-10	19:45	49.32	12.22	1870	2208	339
07-Apr-10	20:00	49.45	12.22	1898	2238	340
08-Apr-10	21:15	49.18	17.46	1776	2076	300
09-Apr-10	11:00	49.10	17.46	1838	2099	261
10-Apr-10	19:45	49.27	12.22	1760	2247	486
11-Apr-10	20:00	49.71	3.88	1993	2252	259
12-Apr-10	19:30	48.88	17.46	1828	2321	493
13-Apr-10	05:45	48.95	17.46	2025	2242	217
14-Apr-10	05:45	48.95	17.46	2025	2242	217
15-Apr-10	05:45	48.94	17.46	2004	2232	228
16-Apr-10	05:45	49.16	17.46	2019	2133	114
17-Apr-10	05:30	48.77	17.46	1995	2174	178
18-Apr-10	09:30	49.56	7.32	1831	2236	405
19-Apr-10	23:30	49.01	17.46	2009	2229	220
20-Apr-10	06:00	49.29	12.22	2089	2345	256
21-Apr-10	05:45	49.19	17.46	2277	2352	74
22-Apr-10	05:45	48.94	17.46	2122	2288	165
23-Apr-10	05:45	48.94	17.46	2172	2321	149
24-Apr-10	05:45	49.14	17.46	2273	2397	124
25-Apr-10	05:30	48.84	17.46	2013	2287	274
26-Apr-10	05:45	49.25	12.22	2098	2309	211
27-Apr-10	19:30	49.21	12.22	1792	2247	456
28-Apr-10	05:45	49.06	17.46	2150	2249	99
29-Apr-10	05:45	49.56	7.32	1954	2282	329
30-Apr-10	08:15	49.47	12.22	1864	2135	271
			17.46			
01-May-10	05:45	49.39	12.22	1824	2277	453
02-May-10	05:45	49.86	2.79	2018	2215	197
03-May-10	00:00	49.80	3.26	2103	2210	107
04-May-10	05:30	50.02	1.55	1980	2334	354
05-May-10	05:45	49.78	3.41	1972	2378	406
06-May-10	05:45	49.72	3.88	2017	2397	380
07-May-10	05:30	49.59	6.38	1951	2440	489
08-May-10	20:00	49.63	5.91	1987	2309	322
09-May-10	20:45	49.65	5.44	1958	2185	227
10-May-10	19:15	49.45	12.22	1799	2215	415
11-May-10	05:30	49.64	5.44	1781	2454	673
12-May-10	18:30	49.66	4.97	1804	2379	575
13-May-10	05:15	49.53	8.26	1901	2282	382
14-May-10	07:45	49.74	3.72	1694	2175	481
15-May-10	20:30	49.72	3.88	1804	2182	379
16-May-10	06:15	49.71	3.88	1669	2242	573
17-May-10	05:45	49.59	6.38	1686	2262	576
18-May-10	18:00	49.63	5.91	1586	2236	651
19-May-10	05:00	49.59	6.38	1741	2313	572
20-May-10	08:00	49.57	7.32	1645	2349	704
21-May-10	05:30	49.42	12.22	1762	2403	641
22-May-10	05:45	49.76	3.57	2130	2327	197

23-May-10	05:30	49.75	3.57	1913	2462	549
24-May-10	05:30	49.82	3.10	2176	2388	212
25-May-10	05:30	49.79	3.41	1966	2413	447
26-May-10						
27-May-10						
28-May-10						
29-May-10						
30-May-10						
31-May-10						