



***Maharashtra State Electricity Transmission
Company Ltd.***

State Load Dispatch Center, Airoli

Daily system Report

for

06/Apr/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 06/Apr/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.053	772.721	1) Gujrat	7.999	46.562
2) Hydro	22.966	130.291	2) Madhya Pradesh	24.550	138.670
3) Gas	7.533	44.511	3) Chattisgarh	10.890	61.100
Total MSGENCO	155.552	947.523	4) Maharashtra Net	90.575	537.970
B) 1) JSW JAIGAD	14.826	81.018	(Incl. 765kV Solapur-Raichur)	-1.520	-6.206
2) WPCL	0.000	4.347	5) Goa	-5.642	-37.063
3) ADANI	38.815	235.765	6) TAPS 1&2 Injection	7.430	44.714
4) Other CPP / IPP	21.049	133.897	7) RGPPL Injection	0.000	0.000
5) Wind Generation	7.479	39.706	8) Pench (Excess)	-0.123	-0.821
6) PENCH (MS)	0.123	0.821			
7) SOLAR	0.935	6.888	# Total Cent. Sector	135.679	791.132
C) 1) TPCL Thermal	15.920	95.192	F) Other Exchanges		
2) TPCL Hydro	0.627	24.962	1) With TPCL (Excess)	-21.905	-153.028
TOTAL TPCL	16.547	120.154	G) Bilateral Power *		
3) REL Thermal	12.392	74.367	1) MSEDCL Bilateral	11.647	86.456
D) STATE			Include PX	0.000	0.000
1) Thermal (A1+C1+C3)	153.365	942.280	2) MUMBAI Bilateral	19.311	152.184
2) Hydro (A2+B6+C2)	23.716	156.074	Include PX	8.532	42.033
3) Gas (A3)	7.533	44.511	3) MUMBAI Schedule	19.311	152.184
4) Wind (B5)	7.479	39.706	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	74.690	258.077	1) MSEDCL	352.553	2088.069
6) SOLAR (B7)	0.935	6.888	2) TPCL	31.851	221.724
TOTAL STATE	267.718	1447.536	3) REL	18.991	125.909
			TOTAL STATE	403.395	2435.702

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5652	5261	4932
MSGENCO Hydro	1797	1517	594
MSGENCO Gas	308	308	319
MSGENCO Total Generation	7757	7086	5845
Central Sector Receipt	5761	5924	5327
WIND	63	172	362
CPP / IPP	3058	3112	3107
SOLAR	123	124	0
Exchange with Mumbai	-920	-951	-640
MSEDCL DEMAND MET	15842	15467	14001
Load Shedding	860	898	188
MSEDCL DEMAND	16702	16365	14189
TPCL GENERATION	814	728	681
R-INFRA GENERATION	516	521	522
TPCL+R-INFRA DEMAND	2250	2200	1843
STATE DEMAND MET	18092	17667	15844
STATE DEMAND	18952	18565	16032
Frequency (Hz)	49.96	50.00	49.85

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 05.54 Hrs	49.7 Hz at 04.37 Hrs	49.95	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 06/Apr/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.56	20.53	154	129	150
Unit 7	3.54	20.82	170	125	150
Total	7.10	41.35			300
Bhusawal					
Unit 2	2.98	18.52	135	115	115
Unit 3	2.88	17.60	140	110	120
Unit 4	8.43	53.17	510	260	320
Unit 5	7.44	41.79	415	260	280
Total	21.72	131.08			835
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.88	21.97	175	155	160
Unit 5	0.00	0.00	0	0	0
Unit 6	4.50	25.18	250	170	170
Unit 7	4.49	25.52	250	170	170
Total	12.87	72.67			500
Chandrapur					
Unit 1	3.27	20.25	143	121	150
Unit 2	1.86	15.74	170	0	100
Unit 3	4.30	12.60	185	167	190
Unit 4	4.89	28.98	210	169	210
Unit 5	10.58	64.26	455	415	450
Unit 6	9.90	60.61	425	391	410
Unit 7	8.74	57.14	402	300	400
Total	43.56	259.58			1910
Paras					
Unit 3	5.16	28.11	242	175	200
Unit 4	5.26	31.79	229	207	250
Total	10.42	59.90			450
Khaparkheda					
Unit 1	3.28	22.64	170	100	180
Unit 2	3.64	23.30	165	130	180
Unit 3	0.00	0.80	0	0	0
Unit 4	4.29	27.72	205	168	210
Unit 5	9.29	60.85	438	340	500
Total	20.50	135.30			1070
Nasik					
Unit 3	0.00	19.55	0	0	0
Unit 4	4.46	26.80	194	173	190
Unit 5	4.43	26.49	190	175	190
Total	8.90	72.83			380
Uran					
All Units	7.53	44.51	323	306	310
Total	7.53	44.51			310
PENCH (MS)					
Pench (MS)	0.12	0.82	40	0	
Total	0.12	0.82			
Koyna					
Stage 1-2	4.81	30.04	500	40	600
Stage 4	10.85	52.38	1110	0	250
Stage 3	3.26	18.03	308	0	320
Kovna 12&4 Total	15.66	82.42			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	18.92	100.45			1170
Hydro					
KDPH	0.40	2.52	17	16	18
VTRNA	1.11	7.72	61	0	61
TILLARI	0.39	2.31	64	0	60
BHTGR/VEER	0.07	0.40	3	2	2
BHIRA T.R.	0.26	1.62	41	0	40
RNGR+BHTSA	0.33	1.99	14	13	14
BHANDARDRA	0.17	0.17	46	0	0
ELDARY	0.27	2.05	15	0	0
SMLHY PTN	0.92	5.99	39	38	15
GHATGHAR	0.12	5.07	62	0	0
Total	4.05	29.84			210
Wind					
MalharPeth	0.18	1.31			
Vankuswadi	0.29	2.11			
ATIT	0.04	0.25			
Kale	0.14	0.98			
Satara	1.51	10.54			
Shirala	0.14	1.08			
K Mahankal	0.02	0.16			
Supa	0.10	0.74			
Vita	0.78	6.15			
Dondaicha	3.09	10.75			
Sakri	0.37	1.45			
Nandurbar	0.32	1.16			
Khandke	0.19	1.44			
Khaparale	0.31	1.57			
Total	7.48	39.71			
CPP					
JSW JAIGAD	14.83	81.02	628	568	560
WARDHA	0.00	4.35	0	0	0
Adani	38.82	235.76	1700	1528	1243
Other CPPs	21.05	133.90			530
Total	74.69	455.03			2333
SOLAR					
Total	0.94	6.89			
Total	0.94	6.89			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.51	68.99	500	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.79	16.57	126	114	120
Trombay 7B	1.62	9.64	70	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	0.63	24.96	134	0	447
Total	16.55	120.15			1127
REL					
1&2	12.39	74.37	524	455	500
Total	12.39	74.37			500
Cent Sect					
Share					5649
Total					5649
MS PG CL	Thermal	125.05	772.72		5445
	Thml+Gas	132.59	817.23		5755
	Hydro	22.97	130.29		1380
	Total	155.55	947.52		7135
State Total		267.72	1447.54		16744

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/Apr/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	5031	1367	315	6713	209	3198	0	5628	5916	-916	-1090	14946	62	15008	2297	17305	49.83
2	4942	1225	315	6482	340	3196	0	5500	5468	-828	-886	14600	161	14761	2101	16862	49.89
3	4933	721	316	5970	477	3184	0	5393	5469	-720	-753	14347	171	14518	1966	16484	49.85
4	4934	625	318	5877	455	3144	0	5319	5693	-645	-701	14468	181	14649	1881	16530	49.92
5	4932	594	319	5845	362	3107	0	5286	5327	-610	-640	14001	188	14189	1843	16032	49.85
6	5063	703	323	6089	377	3127	0	5319	5526	-628	-670	14449	378	14827	1871	16698	49.98
7	5034	621	321	5976	294	3121	1	5295	5707	-631	-667	14442	917	15359	1868	17227	50.01
8	5008	796	319	6123	183	3193	15	5290	5549	-636	-659	14424	907	15331	1861	17192	49.95
9	5257	919	311	6487	77	3106	55	5409	5611	-694	-727	14626	841	15467	1946	17413	49.94
10	5622	1424	307	7353	53	3056	105	5489	5758	-767	-849	15477	618	16095	2074	18169	49.93
11	5616	1763	306	7685	40	3109	111	5628	5727	-846	-926	15746	674	16420	2188	18608	49.91
12	5652	1797	308	7757	63	3058	123	5689	5761	-899	-920	15842	860	16702	2250	18952	49.96
13	5404	1536	308	7248	89	3036	141	5653	5938	-926	-989	15463	1019	16482	2263	18745	49.97
14	5261	1517	308	7086	172	3112	124	5654	5924	-936	-951	15467	898	16365	2200	18565	50.00
15	5278	1498	309	7085	162	3121	98	5649	6186	-940	-957	15695	663	16358	2191	18549	49.97
16	5248	2067	310	7625	234	3152	92	5599	5614	-923	-963	15754	558	16312	2180	18492	49.99
17	5263	1128	314	6705	341	3112	51	5603	5779	-889	-912	15076	551	15627	2116	17743	49.98
18	5173	225	316	5714	403	3067	18	5424	5165	-786	-1036	13331	185	13516	2108	15624	50.05
19	5169	291	315	5775	427	3014	1	5209	5118	-772	-1212	13153	13	13166	2187	15353	49.97
20	5239	833	315	6387	315	3083	0	5573	5590	-823	-1097	14318	29	14347	2305	16652	49.95
21	5256	368	316	5940	635	3080	0	5632	5665	-844	-1096	14229	25	14254	2311	16565	49.97
22	5270	224	314	5808	602	3100	0	5461	5382	-770	-1111	13781	24	13805	2309	16114	50.04
23	5235	250	312	5797	632	3071	0	5517	5919	-917	-1060	14359	24	14383	2283	16666	49.96
24	5234	474	318	6026	537	3143	0	5545	5889	-963	-1033	14562	26	14588	2245	16833	49.95
MUs	125.05	22.97	7.53	155.55	7.48	74.69	0.93	131.76	135.68	-19.31	-21.90	352.56	9.97	362.53	50.84	413.37	49.95

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 06/Apr/2014

Position as on 6.30 Hrs of 07/Apr/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Khaparkheda Unit 3	210	01/04/2014	05.14		Continued.	A.O.H.	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
Koradi Unit 5	200	23/02/2014	04.04		Continued.	ID Fan Problem.	
CPP JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
Uran Unit 6	108	16/03/2014	08.03		Continued.	gas shortage	
CPP Adani U-2	660	20/03/2014	11.32		Continued.	BTL.	
Parli Unit 5	210	25/03/2014	12.18		Continued.	Stator Earth Fault	
CPP WPCL U-3	135	01/04/2014	00.07		Continued.	No Schedule	
Uran Unit 8	108	01/04/2014	12.42		Continued.	Gas Shortage	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
Chandrapur Unit 2	210	04/04/2014	22.24	06/04/2014	4.50	BTL	
Chandrapur Unit 2	210	06/04/2014	06.53	06/04/2014	11.12	Drum Level low.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Apr/2014

Position as on 6.30 Hrs of 07/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765KV Akola II - Tiroda - I	23/03/2014	17.18		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	05/04/2014	18.14	06/04/2014	12.12	over voltage
Talegaon PG- Aurangabad - II	05/04/2014	18.41	06/04/2014	00.02	over voltage
A'bad-Talegaon PG-1	05/04/2014	19.03	06/04/2014	0.18	over voltage
Kolhapur - Mapusa - I	06/04/2014	16.13	07/04/2014	06.39	Over Volatge.
Dhule-Sar'Sarovar - I	06/04/2014	23.25	07/04/2014	06.27	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	06/04/2014	21.40	06/04/2014	22.55	Bucholz optd of Line Reactor at Dhule End and cket taken s/s w/o line reactor.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/15.75 KV 250 MVA GT III At Chandrapur	01/04/2014	19.40		Continued.	Exitation T/F Preventive maint.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalwa-Mulund-I	06/04/2014	07.05	06/04/2014	11.54	To replace damaged jumper of R ph W/T.
220/100KV,200MVA ICT-I at Borivali.	06/04/2014	08.46	06/04/2014	12.00	Maintance work.
Kalwa - Salshet - III	06/04/2014	09.00	06/04/2014	15.04	Per Mansoon Work.
Apta - Taloja	06/04/2014	09.32	06/04/2014	13.36	Tan Delta testing.
Talegaon (Ambbi) - General Motor	06/04/2014	10.25	06/04/2014	13.49	Testing Work.
220/110KV 200MVA ICT-III at Borivali	06/04/2014	13.27	06/04/2014	17.05	Maintenance Work.
Kalwa - Salshet - IV	06/04/2014	15.14	06/04/2014	18.00	CVT Testing Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Butibori MIDC - Vipl ckt - IV (Gis Bay)	06/04/2014	11.00	06/04/2014	12.53	Emergency maintaines work at VIPL end.
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765 KV (Akola 2) 240 MVAR bus reactor	06/04/2014	08.24	06/04/2014	18.07	Over Volatge.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	05/04/2014	16.36	06/04/2014	07.12	over voltage
Karad-Jaigad I	05/04/2014	17.05	06/04/2014	07.35	over voltage
80 MVAR Bus Reactor @ Kolhapur	06/04/2014	08.36	06/04/2014	16.08	Over Volatge.
80 MVAR Reactor @ Dhule	06/04/2014	08.40	06/04/2014	17.16	Over Volatge.
Karad-Kolhapur-II	06/04/2014	16.14	07/04/2014	06.45	Over Volatge.
Karad-Jaigad I	06/04/2014	17.07	07/04/2014	06.35	Over Volatge.
Bhusawal- Aurangabad	06/04/2014	17.57		Continued.	Over Volatge.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	31/03/2014	17.50		Continued.	Jalna S/S load on 400KV A'bad S/S.
Chikhali - Jalna - II	31/03/2014	17.50		Continued.	Jalna S/S load on 400KV A'bad S/S.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 06/Apr/2014

Position as on 6.30 Hrs of 07/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Phursungi - Theur	05/04/2014	18.26		Continued.	outage on c'wad-parvati
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol - Nagothane - I	30/03/2014	9.34		Continued.	e/w replacement (RFC 13.30Hrs)
Voltage Level : 220KV			Outage Type TRIPPED		
Wardha Power - Warora-I	05/04/2014	08.06	06/04/2014	00.51	In View of Extended bus outage at 220kv warora s/s.
Wardha Power -Warora -II	05/04/2014	08.06	06/04/2014	00.52	In View of Extended bus outage at 220kv warora s/s.
Butibori MIDC - Vipl ckt - III (Gis Bay)	06/04/2014	09.05	06/04/2014	10.29	To attend hot spot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 07/Apr/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	150
	620	295
Bhusawal		
Unit 2	210	120
Unit 3	210	130
Unit 4	500	360
Unit 5	500	280
	1420	890
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	0
Unit 6	250	180
Unit 7	250	180
	1130	510
Chandrapur		
Unit 1	210	150
Unit 2	210	170
Unit 3	210	190
Unit 4	210	210
Unit 5	500	450
Unit 6	500	390
Unit 7	500	400
	2340	1960
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	0
Unit 4	210	200
Unit 5	500	400
	1340	940
Nasik		
Unit 3	210	0
Unit 4	210	193
Unit 5	210	184
	630	377
Uran		
All Units	852	310
	852	310
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	16
GHATGHAR	250	0
	611	213
Wind		
MalharPeth	0	
Vankuswadi	0	
ATIT	0	
Kale	0	
Satara	0	
Shirala	0	
K Mahankal	0	
Supa	0	
Vita	0	
Dondaicha	0	
Sakri	0	
Nandurbar	0	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	1200	560
WARDHA	405	0
Adani	1980	1140
Other CPPs	300	875
	3885	2575
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5901
	3455	5901