



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Jun/2014

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	119.108	699.146	1) Gujrat	2.789	16.492
2) Hydro	4.734	33.160	2) Madhya Pradesh	17.565	112.835
3) Gas	10.358	73.265	3) Chattisgarh	9.890	59.580
Total MSGENCO	134.200	805.571	4) Maharashtra Net	88.293	590.228
B) 1) JSW JAIGAD	21.860	116.970	(Incl. 765kV Solapur-Raichur)	0.980	6.877
2) WPCL	0.000	7.169	5) Goa	-7.466	-40.900
3) ADANI	42.822	205.747	6) TAPS 1&2 Injection	7.336	44.157
4) Other CPP / IPP	13.843	84.820	7) RGPPL Injection	0.000	0.000
5) Wind Generation	25.534	114.629	8) Pench (Excess)	-0.177	-1.758
6) PENCH (MS)	0.177	1.758	# Total Cent. Sector	118.230	780.634
7) SOLAR	1.237	6.578	F) Other Exchanges		
C) 1) TPCL Thermal	20.496	119.819	1) With TPCL (Excess)	-29.124	-164.538
2) TPCL Hydro	4.672	26.245	G) Bilateral Power *		
TOTAL TPCL	25.168	146.064	1) MSEDCL Bilateral	19.650	164.254
3) REL Thermal	12.397	74.063	Include PX	0.235	51.969
D) STATE			2) MUMBAI Bilateral	28.108	147.003
1) Thermal (A1+C1+C3)	152.001	893.028	Include PX	6.211	38.139
2) Hydro (A2+B6+C2)	9.583	61.163	3) MUMBAI Schedule	28.108	149.791
3) Gas (A3)	10.358	73.265	H) ENERGY CATERED (MUs)		
4) Wind (B5)	25.534	114.629	1) MSEDCL	328.779	1959.338
5) CPP/IPP (B1+B2+B3+B4)	78.525	414.706	2) TPCL	41.901	242.813
6) SOLAR (B7)	1.237	6.578	3) REL	24.789	141.851
TOTAL STATE	277.238	1563.369	TOTAL STATE	395.469	2344.002

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5448	5032	4878
MSGENCO Hydro	258	409	129
MSGENCO Gas	421	425	444
MSGENCO Total Generation	6127	5866	5451
Central Sector Receipt	4908	5855	4500
WIND	691	935	1028
CPP / IPP	3354	3289	3269
SOLAR	162	105	0
Exchange with Mumbai	-1373	-1487	-777
MSEDCL DEMAND MET	13881	14570	13471
Load Shedding	788	486	103
MSEDCL DEMAND	14669	15056	13574
TPCL GENERATION	1427	1312	844
R-INFRA GENERATION	517	515	518
TPCL+R-INFRA DEMAND	3317	3314	2139
STATE DEMAND MET	17198	17884	15610
STATE DEMAND	17986	18370	15713
Frequency (Hz)	49.90	49.88	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 08:01 Hrs	49.47 Hz at 11:12 Hrs	49.93	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/Jun/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	3.00	21.45	140	85	130
Unit 7	3.62	23.82	170	140	135
Total	6.62	45.28			265
Bhusawal					
Unit 2	0.00	4.40	0	0	0
Unit 3	3.22	18.64	155	120	140
Unit 4	8.49	52.13	500	305	360
Unit 5	8.14	48.19	400	315	320
Total	19.84	123.36			820
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.68	18.51	163	130	150
Unit 5	0.00	0.00	0	0	0
Unit 6	4.50	26.96	250	164	180
Unit 7	4.48	26.84	250	172	175
Total	12.66	72.31			505
Chandrapur					
Unit 1	3.12	19.48	136	120	150
Unit 2	3.57	11.27	156	141	150
Unit 3	0.00	14.81	0	0	0
Unit 4	4.46	26.17	198	150	180
Unit 5	9.33	57.87	429	340	450
Unit 6	8.37	49.85	375	320	350
Unit 7	7.72	40.24	370	248	375
Total	36.57	219.69			1655
Paras					
Unit 3	4.75	11.87	209	189	230
Unit 4	5.29	31.83	233	191	250
Total	10.04	43.70			480
Khaparkheda					
Unit 1	0.00	14.12	0	0	0
Unit 2	3.60	20.77	165	110	160
Unit 3	4.02	24.20	185	150	170
Unit 4	3.62	7.37	158	146	170
Unit 5	8.63	53.02	485	325	350
Total	19.87	119.48			850
Nasik					
Unit 3	4.42	26.30	190	175	190
Unit 4	4.58	27.55	195	178	190
Unit 5	4.49	21.48	194	170	190
Total	13.50	75.33			570
Uran					
All Units	10.36	73.26	447	417	450
Total	10.36	73.26			450
PENCH (MS)					
Pench (MS)	0.18	1.76	27	0	0
Total	0.18	1.76			0
Koyna					
Stage 1-2	1.08	9.38	55	40	600
Stage 4	0.00	2.88	0	0	250
Stage 3	0.44	2.98	112	0	320
Kovna 12&4 Total	1.08	12.25			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.52	15.23			1170
Hydro					
KDPH	0.00	0.32	0	0	18
VTRNA	1.15	6.54	61	0	61
TILLARI	0.00	0.12	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.28	1.36	40	0	40
RNGR+BHTSA	0.25	1.57	11	10	10
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.22	2.04	17	7	10
GHATGHAR	1.31	5.97	250	0	0
Total	3.22	17.93			139
Wind					
MalharPeth	0.49	2.20			
Vankuswadi	0.52	2.55			
ATIT	0.11	0.55			
Kale	0.42	1.63			
Satara	7.55	35.61			
Shirala	0.58	2.45			
K Mahankal	0.09	0.33			
Supa	0.12	1.00			
Vita	2.48	8.59			
Dondaicha	8.96	41.11			
Sakri	1.34	5.70			
Nandurbar	0.94	4.03			
Khandke	0.67	3.43			
Khaparale	1.26	5.45			
Total	25.53	114.63			
CPP					
JSW JAIGAD	21.86	116.97	989	819	850
WARDHA	0.00	7.17	0	0	
Adani	42.82	205.75	1856	1676	1823
Other CPPs	13.84	84.82			510
Total	78.52	414.71			3183
SOLAR					
Total	1.24	6.58			
Total	1.24	6.58			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.83	69.89	500	448	500
Trombay 6	4.22	24.30	297	156	500
Trombay 7A	2.84	16.24	122	99	120
Trombay 7B	1.61	9.39	69	61	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.67	26.24	452	0	447
Total	25.17	146.06			1627
REL					
1&2	12.40	74.06	521	485	500
Total	12.40	74.06			500
Cent Sect					
Share					5450
Total					5450
MS PG CL	Thermal	119.11	699.15		5145
	Thml+Gas	129.47	772.41		5595
	Hydro	4.73	33.16		1309
	Total	134.20	805.57		6904
State Total	277.24	1563.37			17664

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/Jun/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	4889	175	447	5511	1169	3249	0	5199	5401	-1145	-1258	14072	156	14228	2666	16894	49.93
2	4883	119	447	5449	1164	3268	0	5050	4918	-1103	-1104	13695	166	13861	2466	16327	49.96
3	4863	124	447	5434	1143	3244	0	4890	4913	-991	-958	13776	175	13951	2320	16271	49.97
4	4859	124	447	5430	1104	3210	0	4786	4929	-887	-842	13831	181	14012	2205	16217	49.95
5	4878	129	444	5451	1028	3269	0	4715	4500	-829	-777	13471	103	13574	2139	15713	49.93
6	4957	119	438	5514	1056	3205	0	4689	4580	-804	-824	13531	230	13761	2138	15899	49.98
7	4941	119	439	5499	855	3277	5	4600	4716	-876	-767	13585	657	14242	2113	16355	50.02
8	4940	124	439	5503	880	3265	34	4448	4496	-783	-847	13331	812	14143	2210	16353	50.02
9	5014	129	430	5573	933	3283	74	4686	4678	-1039	-1111	13430	703	14133	2506	16639	49.92
10	4999	315	421	5735	777	3255	143	5025	5394	-1267	-1227	14077	483	14560	2846	17406	49.80
11	4950	496	417	5863	616	3252	137	5319	5447	-1377	-1435	13880	508	14388	3183	17571	49.80
12	5131	541	421	6093	758	3310	170	5310	5000	-1468	-1401	13937	618	14555	3308	17863	49.84
13	5448	258	421	6127	691	3354	162	5241	4908	-1472	-1373	13881	788	14669	3317	17986	49.90
14	5447	107	419	5973	759	3312	177	5257	5211	-1423	-1358	14086	749	14835	3241	18076	49.90
15	5412	202	420	6034	881	3333	129	5470	5469	-1472	-1488	14361	585	14946	3316	18262	49.84
16	5032	409	425	5866	935	3289	105	5434	5855	-1484	-1487	14570	486	15056	3314	18370	49.88
17	4876	391	425	5692	1171	3375	68	5071	5305	-1438	-1471	14160	480	14640	3284	17924	49.97
18	4766	106	429	5301	1373	3271	29	4790	4380	-1382	-1433	12931	563	13494	3151	16645	50.08
19	4781	119	428	5328	1540	3049	4	4395	3831	-1175	-1390	12389	387	12776	2930	15706	49.97
20	4755	130	426	5311	1469	3047	0	4976	5231	-1175	-1385	13700	420	14120	2898	17018	49.80
21	4840	125	433	5398	1504	3327	0	4892	5009	-1090	-1352	13899	378	14277	2876	17153	49.95
22	4781	125	432	5338	1288	3282	0	4822	4291	-1073	-1266	12933	248	13181	2782	15963	49.96
23	4858	124	431	5413	1316	3384	0	4996	4625	-1145	-1236	13528	176	13704	2747	16451	49.94
24	4808	124	432	5364	1124	3415	0	5144	5143	-1211	-1334	13725	145	13870	2733	16603	49.97
MUs	119.1 1	4.73	10.36	134.20	25.53	78.52	1.24	119.20	118.23	-28.11	-29.12	328.78	10.20	338.98	66.69	405.66	49.93

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/Jun/2014

Position as on 6.30 Hrs of 07/Jun/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	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	Coal conservation	
Koyna Stage 4	1000	04/06/2014	21.25		Continued.	aanual maintance	
Khaparkheda Unit 1	210	05/06/2014	04.59		Continued.	C.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	
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	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
Parli Unit 5	210	26/05/2014	22.34		Continued.	Coal Shortage.	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
CPP Adani U-2	660	30/05/2014	18.22		Continued.	Boiler Tube Leakage	
CPP VIPL U-2	300	01/06/2014	1.50		Continued.	BTL	
CPP IPL U-2	270	01/06/2014	10.42		Continued.	BLR T/L.	
CPP JSW (J) U3	300	01/06/2014	2.47	06/06/2014	22.16	Heater prv.broken	
Bhusawal Unit 2	210	02/06/2014	09.02		Continued.	Air Heater Problem.	
CPP WPCL U-3	135	04/06/2014	00.12		Continued.	Coal Shortage.	
Chandrapur Unit 3	210	04/06/2014	21.11		Continued.	BLR T/L.	

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

Position as on 6.30 Hrs of 07/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	05/06/2014	17.16	06/06/2014	8.55	Over Voltage.
Kolhapur-Mapusa-II	06/06/2014	17.14		Continued.	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Talegaon(PG) - Parli (PG) - I	04/06/2014	17.36		Continued.	Dist Prot.10Nos tower collapsed
Talegaon (PG - Parli (PG) - II	04/06/2014	17.36		Continued.	Dist Prot.10Nos tower collapsed
IntraState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalishaon - Malegaon	30/05/2014	06.20		Continued.	Bus outage at Malegaon.
Parli Extn. - Parli -1 @ Parli	30/05/2014	08.09		Continued.	Repl.of Bolted type Jumper CT& WT
Parly - Harangool - II	30/05/2014	17.55		Continued.	Hot Spot
Trombay(T)- Trombay(M)Tie-II	06/06/2014	00.11	06/06/2014	03.29	220KV BS,4 & 6 side isolator of bus section CB.
Momewadi -Halkarni	06/06/2014	10.12	06/06/2014	19.47	retrofitting of distance relay
220/100 KV 200 MVA ICT-I @ Kolshet	06/06/2014	11.50	06/06/2014	13.14	paper earthing work
220/100KV 200 MVA ICT-II @ Kolshet	06/06/2014	14.30	06/06/2014	18.11	paper earthing work
220/132KV 200 MVA ICT-II @ Boisor	06/06/2014	15.26	06/06/2014	16.00	premansoon maintance
Bale-Usmanabad	06/06/2014	22.06		Continued.	distance protection
Vita - Lamboti	06/06/2014	22.13	06/06/2014	22.31	distance protection
Lamboti-Bale-I	06/06/2014	22.13	06/06/2014	22.54	distance protection.
Apta-Uran-IV	06/06/2014	8.20	06/06/2014	19.31	replacement of cut point & sus.disc insulator
220/100KV 200MVA ICT-I at Kalwa	06/06/2014	8.38	06/06/2014	19.27	R M work
Padgha-Jambhul II	06/06/2014	9.20	06/06/2014	17.31	R & M work
Apta-Uran-III	06/06/2014	9.30	06/06/2014	16.27	take on tbc breaker overhauling
Nasik - Airoli - Knowledge Park	06/06/2014	9.41	06/06/2014	15.33	signature analysis by tauras
Vasai - Bhoisor (PGCIL)	06/06/2014	9.42	06/06/2014	13.48	replacement of jumper from stub bus to r-ph
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Boiser - Palghar - II	06/06/2014	16.04	06/06/2014	16.40	premansoon maintance
Boiser - Palghar - II	06/06/2014	16.41	06/06/2014	17.22	premansoon work
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
K'gaon-Roha-II	06/06/2014	9.25	06/06/2014	16.51	replacement of insulator
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	05/06/2014	17.40	06/06/2014	9.17	Over Voltage.
Karad - Kolhapur - I	05/06/2014	17.42	06/06/2014	8.21	Over Voltage.
Karad - Kolhapur - II	06/06/2014	16.08		Continued.	over voltage
Bhusawal- Aurangabad	06/06/2014	17.33		Continued.	over voltage
Karad-Jaigad I	06/06/2014	18.15		Continued.	over voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		

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

Position as on 6.30 Hrs of 07/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chikhali - Jalna - I	28/04/2014	01.14		Continued.	To Control O/L of 220KV Paras-ChiKhli
Chikhali - Jalna - II	28/04/2014	01.14		Continued.	To control O/L of 220KV Paras-Chikhli
Lonikand-Ranjangaon	05/06/2014	10.13		Continued.	To control loading on Parli-Loni II.
Khaparkheda-Kawlewada-II	06/06/2014	16.53	06/06/2014	20.15	distance protection
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	01/06/2014	16.00		Continued.	Over Voltage.
Lonikand 2-Parli-I	04/06/2014	18.04		Continued.	Dist Prot.one tower collapsed and one more tower X.Arm bent.
Voltage Level : 220KV			Outage Type TRIPPED		
Parbhani -Parbhani - I	06/06/2014	22.42	06/06/2014	22.55	132 kv LBB Protection operated
Parbhani -Parbhani - II	06/06/2014	22.42	06/06/2014	22.55	132 kv LBB Protection operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 07/Jun/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	150
	620	290
Bhusawal		
Unit 2	210	0
Unit 3	210	135
Unit 4	500	305
Unit 5	500	320
	1420	760
Parli		
Unit 3	210	0
Unit 4	210	155
Unit 5	210	0
Unit 6	250	175
Unit 7	250	175
	1130	505
Chandrapur		
Unit 1	210	135
Unit 2	210	155
Unit 3	210	0
Unit 4	210	200
Unit 5	500	425
Unit 6	500	400
Unit 7	500	300
	2340	1615
Paras		
Unit 3	250	220
Unit 4	250	240
	500	460
Khaparkheda		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	850
Nasik		
Unit 3	210	190
Unit 4	210	200
Unit 5	210	190
	630	580
Uran		
All Units	852	450
	852	450
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	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	120
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	825
WARDHA	405	0
Adani	2640	1823
Other CPPs	300	705
	4545	3353
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5888
	3455	5888