



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Jun/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Jun/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	101.185	1543.592	1) Gujrat	8.634	97.841
2) Hydro	33.073	231.937	2) Madhya Pradesh	15.073	264.109
3) Gas	13.096	174.444	3) Chattisgarh	8.440	137.760
Total MSGENCO	147.354	1949.973	4) Maharashtra	39.603	710.988
B) OTHERS			5) Goa	-5.566	-90.039
1) JSW JAIGAD	28.802	399.380	6) TAPS 1&2 Injection	7.534	106.651
2) WPCL	11.048	141.051	7) RGPPL Injection	20.714	291.326
3) Other CPP / IPP	10.582	103.087	8) Pench (Excess)	-0.214	-2.116
4) Wind Generation	8.654	238.944	# Total Cent. Sector	94.218	1516.520
5) PENCH (MS)	0.214	2.116	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.573	-184.238
1) TPCL Thermal	30.871	388.162	G) Bilateral Power *		
2) TPCL Hydro	6.657	76.919	1) MSEDCL Bilateral	26.954	427.070
TOTAL TPCL	37.528	465.081	Include PX	0.000	3.249
3) REL Thermal	12.397	175.674	2) MUMBAI Bilateral	15.304	223.721
D) STATE			Include PX	0.833	21.451
1) Thermal (A1+C1+C3)	144.453	2107.428	3) MUMBAI Schedule	15.304	223.721
2) Hydro (A2+B5+C2)	39.944	310.972	H) ENERGY CATERED (MUs)		
3) Gas (A3)	13.096	174.444	1) MSEDCL	289.299	4166.833
4) Wind (B4)	8.654	238.944	2) TPCL	40.945	545.756
5) CPP (B1+B2+B3)	50.432	643.518	3) REL	20.554	279.222
TOTAL STATE	256.579	3475.306	TOTAL STATE	350.798	4991.811

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4264	4248	3966
MSGENCO Hydro	2027	1811	1221
MSGENCO Gas	547	454	573
MSGENCO Total Generation	6838	6513	5760
Central Sector Receipt	4176	3353	3695
WIND	92	373	173
CPP / IPP	2086	2072	2113
Exchange with Mumbai	-629	-619	-207
MSEDCL DEMAND MET	12563	11692	11534
Load Shedding	1441	1354	350
MSEDCL DEMAND	14004	13046	11884
TPCL GENERATION	1910	1912	1111
R-INFRA GENERATION	518	519	522
TPCL+R-INFRA DEMAND	3057	3050	1840
STATE DEMAND MET	15620	14742	13374
STATE DEMAND	17061	16096	13724
Frequency (Hz)	49.39	49.66	49.58

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 18.33 Hrs	48.91 Hz at 10.50 Hrs	49.58	4.16 % 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 14/Jun/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.83	38.35	130	99	118
Unit 6	3.59	44.62	171	112	164
Unit 7	3.87	47.21	180	133	170
Total	10.29	130.19			452
Bhusawal					
Unit 2	3.67	48.28	165	135	160
Unit 3	4.03	56.73	185	145	180
Unit 4	0.00	18.53	0	0	
Unit 5	0.00	0.00	0	0	
Total	7.70	123.55			340
Parli					
Unit 3	4.13	55.97	186	160	163
Unit 4	0.00	2.58	0	0	0
Unit 5	3.90	52.99	172	140	178
Unit 6	4.36	63.35	204	165	177
Unit 7	0.00	41.79	0	0	0
Total	12.39	216.69			518
Chandrapur					
Unit 1	3.64	53.16	159	138	165
Unit 2	3.62	40.58	171	112	125
Unit 3	4.43	55.94	191	176	185
Unit 4	4.74	63.01	204	193	200
Unit 5	9.91	105.22	470	330	470
Unit 6	9.37	141.49	465	290	450
Unit 7	5.92	113.67	449	0	0
Total	41.63	573.07			1595
Paras					
Unit 3	0.00	69.04	0	0	0
Unit 4	0.00	0.00	0	0	0
Total	0.00	69.04			0
Khaparkheda					
Unit 1	4.78	43.96	205	185	210
Unit 2	0.00	0.72	0	0	0
Unit 3	4.82	68.33	215	186	210
Unit 4	4.59	69.23	206	180	210
Unit 5	5.17	72.12	258	172	250
Total	19.37	254.36			880
Nasik					
Unit 3	1.29	59.40	215	0	0
Unit 4	4.16	65.80	195	136	192
Unit 5	4.36	51.48	190	171	172
Total	9.81	176.69			364
Uran					
All Units	13.10	174.44	575	454	570
Total	13.10	174.44			570
PENCH (MS)					
Pench (MS)	0.21	2.12	24	0	
Total	0.21	2.12			
Koyna					
Stage 1-2	9.80	72.78	500	75	530
Stage 4	16.06	89.94	1120	0	250
Stage 3	5.21	36.72	320	0	320
Kovna 12&4 Total	25.87	162.72			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	31.07	199.44			1100
Hydro					
KDPH	0.00	4.17	0	0	30
VTRNA	1.11	7.34	61	0	61
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.42	4.21	81	0	80
RNGR+BHTSA	0.23	2.98	10	9	12
BHANDARDRA	0.11	1.38	14	0	13
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.12	3.41	11	2	7
GHATGHAR	0.00	9.01	0	0	0
Total	2.00	32.50			203
Wind					
MalharPeth	0.36	7.88			
Vankuswadi	0.67	12.69			
ATIT	0.10	2.65			
Kale	0.28	4.50			
Satara	0.27	19.60			
Shirala	0.22	6.02			
K Mahankal	1.96	18.74			
Supa	0.09	3.12			
Vita	1.41	28.99			
Dondaicha	2.29	94.34			
Sakri	0.24	12.43			
Nandurbar	0.31	9.65			
Khandke	0.17	9.11			
Khaparale	0.27	9.21			
Total	8.65	238.94			
CPP					
JSW JAIGAD	28.80	399.38	1217	1161	1100
WARDHA	11.05	141.05	463	458	460
Other CPPs	10.58	103.09			
Total	50.43	643.52			1560
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.02	149.51	504	497	500
Trombay 6	8.34	91.98	504	156	500
Trombay 7A	2.89	40.25	123	118	120
Trombay 7B	1.60	22.31	67	66	60
Trombay 8	6.02	84.11	252	249	250
TATA Hydro	6.66	76.92	471	18	447
Total	37.53	465.08			1877
REL					
1&2	12.40	175.67	523	473	500
Total	12.40	175.67			500
Cent Sect					
Share					3759
Total					3759

MS PG CL	Thermal	101.18	1543.59			4149
	Thml+Gas	114.28	1718.04			4719
	Hydro	33.07	231.94			1303
	Total	147.35	1949.97			6022
State Total		256.58	3475.31			13718

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/Jun/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	4423	1106	566	6095	265	2117	3720	4252	-743	-549	12203	245	12448	2305	14753	49.61
2	4304	1176	568	6048	219	2115	3531	3913	-603	-435	11883	306	12189	2098	14287	49.62
3	4002	1240	570	5812	204	2111	3416	3932	-465	-317	11765	328	12093	1977	14070	49.65
4	4012	1230	570	5812	212	2109	3292	3794	-394	-260	11671	340	12011	1894	13905	49.62
5	3966	1221	573	5760	173	2113	3246	3695	-366	-207	11534	350	11884	1840	13724	49.58
6	4010	1412	574	5996	112	2113	3294	4032	-411	-291	11962	468	12430	1878	14308	49.69
7	4050	1644	575	6269	59	2114	3539	3598	-439	-288	11752	863	12615	1897	14512	49.73
8	4032	1696	562	6290	62	2118	3639	3652	-470	-332	11790	896	12686	2023	14709	49.71
9	4001	1756	558	6315	78	2115	3721	3882	-557	-360	12030	1197	13227	2329	15556	49.68
10	4089	1982	557	6628	136	2119	3798	4320	-629	-457	12746	1044	13790	2731	16521	49.56
11	4275	1902	547	6724	160	2122	3895	4241	-732	-582	12665	1293	13958	3002	16960	49.34
12	4264	2027	547	6838	92	2086	3923	4176	-762	-629	12563	1441	14004	3057	17061	49.39
13	4226	1910	539	6675	111	2110	3910	4141	-750	-626	12411	1196	13607	3056	16663	49.45
14	4204	1959	546	6709	116	2070	3888	4004	-727	-615	12284	1098	13382	3041	16423	49.42
15	4254	1929	548	6731	179	2083	3957	4088	-740	-621	12460	1204	13664	3050	16714	49.55
16	4232	2004	454	6690	255	2083	4048	4048	-775	-622	12454	1257	13711	3054	16765	49.46
17	4248	1811	454	6513	373	2072	4038	3353	-757	-619	11692	1354	13046	3050	16096	49.66
18	4273	1007	472	5752	649	2095	3934	3462	-651	-557	11401	1046	12447	2990	15437	49.75
19	4239	615	544	5398	847	2092	3993	3545	-613	-439	11465	685	12150	2820	14970	49.66
20	4267	923	544	5734	766	2083	4104	3849	-661	-532	11923	800	12723	2860	15583	49.61
21	4340	490	558	5388	1057	2086	4247	4180	-699	-526	12209	770	12979	2772	15751	49.54
22	4416	301	557	5274	803	2095	4282	4065	-742	-517	11744	692	12436	2722	15158	49.56
23	4549	792	555	5896	920	2117	4273	4126	-799	-587	12496	337	12833	2581	15414	49.55
24	4507	940	558	6005	806	2094	4174	3870	-819	-605	12194	249	12443	2471	14914	49.63
MUs	101.18	33.07	13.10	147.35	8.65	50.43	91.86	94.22	-15.30	-11.57	289.30	19.46	308.76	61.50	370.25	49.58

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 14/Jun/2012

Position as on 6.30 Hrs of 15/Jun/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Paras Unit 4	250	01/05/2012	03.25		Continued.	Annual Overhaul.	16/06/2012
Cent_Sect NTPC(V-3)	210	20/05/2012	00:25		Continued.	AOH.	
Khaparkheda Unit 2	210	01/06/2012	05.45		Continued.	Annual overhaul.	05/07/2012
Cent_Sect NTPC(K-5)	500	01/06/2012	23.50		Continued.	A/OH.	30/06/2012
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Dabhol 1A	230	30/03/2012	23.29	14/06/2012	01.49	Gas Shortage	
Parli Unit 4	210	02/06/2012	00.30		Continued.	ID Fan problem.	15/06/2012
Bhusawal Unit 4	500	06/06/2012	06.27		Continued.	Vibration Problem	
Dabhol 2B	230	08/06/2012	11.21		Continued.	W/Dn.	
Koyna Unit 1	75	09/06/2012	09.30	14/06/2012	18.45	Micom relay replacement.	
Dabhol 3A	230	10/06/2012	12.48		Continued.	Gas Shortage	
Parli Unit 7	250	11/06/2012	18.30		Continued.	CHP problem	15/06/2012
Nasik Unit 3	210	12/06/2012	02.25	14/06/2012	15.50	Boiler Tube Leakage	
Cent_Sect Sipat U-2	660	13/06/2012	02.38		Continued.	Boiler Tube Leakage	
Paras Unit 3	250	13/06/2012	17.05		Continued.	Structure collapse near ESP.	
Dabhol 1X	290	13/06/2012	23.16	14/06/2012	04.59	Steam turbine bearing vibration measurement problem.	
Dabhol 1B	230	13/06/2012	23.16	14/06/2012	02.32	Steam turbine bearing vibration measurement problem.	
Chandrapur Unit 7	500	14/06/2012	01.45	14/06/2012	08.29	Due to coal mill tripped.	
Cent_Sect NTPC(V) 9	500	14/06/2012	02.56	15/06/2012	00.11	Boiler Tube Leakage.	
Uran Unit 5	108	14/06/2012	15.05	14/06/2012	17.41	Damper work.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jun/2012

Position as on 6.30 Hrs of 15/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-S'Sarovar I	10/06/2012	01.55	14/06/2012	09.18	Over Voltage.
765KV Seoni - Wardha - II	11/06/2012	12.04		Continued.	Over Voltage
Kolhapur - Mapusa - I	13/06/2012	16.14		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	14/06/2012	09.23		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole II Padgha	13/06/2012	22.22	14/06/2012	06.22	Oil Top up in Pole-II smoothing reactor & attending oil leakage.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50MVAR Reactor C'Pur - Parli -I at Parli end	16/04/2012	16.50		Continued.	Filtration work
400/220KV 315MVA ICT- I @ Chandrapur	06/06/2012	23.00	14/06/2012	12.07	Main Breaker Compressor problem(ICT on TBC)
Chandrapur - Parli - III	09/06/2012	09.27		Continued.	Overhauling of breaker(Ckt charged through TBC at Parly end)
400/220 KV 315 MVA ICT-II @ Lonikand	14/06/2012	06.43	14/06/2012	11.51	Testing of relay.
400/220 KV 315 MVA ICT-II @ Chakan	14/06/2012	12.10	14/06/2012	18.15	Maintenance work.
Padgha - Kharghar	15/06/2012	06.28		Continued.	Attending hot spot.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Khaparkhedha - Kanhan - I	14/06/2012	07.52	14/06/2012	17.29	Monkey petrolling at cut point.
Main Bus at Magarpatta	14/06/2012	09.05	14/06/2012	16.58	Q.M.Work.
Jejuri I-Jejuri II	14/06/2012	09.30	14/06/2012	17.22	Bay maintenance.
220/132KV, 200MVA ICT-1@Boiser	14/06/2012	11.10		Continued.	Taken on TBC for BKR overhauling work.
220/100KV 200MVA ICT-III at Kalwa	14/06/2012	12.21		Continued.	For attending oil leakage.
Wadkhal - NDIL - I	14/06/2012	14.35	14/06/2012	16.25	Tan delta measurement
Wadkhal - Ndil - 2	14/06/2012	16.27	14/06/2012	17.45	Tan delta measurement.
220/100 KV 100 MVA T/F - IV @ Kandalgaon	14/06/2012	16.37	14/06/2012	17.57	Premansoon maintenance.
220/100KV 100MVA ICT-III at K'gaon	14/06/2012	18.05	14/06/2012	18.50	Premansoon maintenance.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Waluj II	12/06/2012	16.00		Continued.	Over Voltage
Bhusawal- Aurangabad	13/06/2012	16.22	14/06/2012	10.40	Over Voltage.
Bhusawal- Aurangabad	14/06/2012	17.41		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Kalwa-Padgha-II	14/06/2012	16.05	14/06/2012	16.21	Bus Bar Prot.Operated, Bus-II.
Kalwa-Kharghar	14/06/2012	16.05	14/06/2012	16.24	Bus Bar Prot.Operated, Bus-II.
400/220KV,500MVA ICT-III At Kalwa.	14/06/2012	16.05	14/06/2012	16.23	Bus Bar Prot.Operated, Bus-II.
400 KV Bus Coupler @ Kalwa	14/06/2012	16.05	14/06/2012	16.15	Bus Bar Prot.Operated, Bus-II.
400/220KV 500 MVA ICT I	14/06/2012	16.05	14/06/2012	16.24	Bus Bar Prot.Operated, Bus-II.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jun/2012

Position as on 6.30 Hrs of 15/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
at Kalwa					
400/220KV 500MVA ICT-III at Bableshwar	14/06/2012	20.50	14/06/2012	22.51	NDR.
400/220 KV 315 MVA ICT - II @ Parli	14/06/2012	21.00	15/06/2012	04.42	NDR Relay operated.
400/220KV,500 MVA ICT-III At A'bad.	15/06/2012	05.33		Continued.	Monkey fault.
Voltage Level : 220KV			Outage Type TRIPPED		
220/6.6 KV 40 MVA Station T/F- I @ Kaparkheda	13/06/2012	12.40		Continued.	Bus Duct P.M work & Oil filtration work. (8 days).
220/132 KV 200 MVA ICT - I @ Kalmeshwar	14/06/2012	01.30	14/06/2012	02.08	132 KV Bus dead.
220/132 KV 200 MVA ICT-II @ Kalmeshwar	14/06/2012	01.30	14/06/2012	02.57	132 KV Bus dead.
220/132KV 200MVA ICT-II at Dhule	14/06/2012	12.04	14/06/2012	12.24	132 KV Bus dead.
220/132KV,200 MVA ICT-I at Dhule	14/06/2012	12.04	14/06/2012	16.24	132 KV Bus dead.
Voltage Level : 132KV			Outage Type TRIPPED		
Chalishaon-Dhule	10/06/2012	11.40	14/06/2012	12.24	R Phase Breaker Pole Burst(Ckt.charged through TBC)
Kalmeshwar-Katol	14/06/2012	01.30	14/06/2012	02.48	132 KV Bus dead.
Main Bus- I @ Kalmeshwar	14/06/2012	01.30	14/06/2012	02.08	132 KV Bus dead.132/11KV,16 MVA T/F LV side CT burst.
Main Bus- II @ Kalmeshwar	14/06/2012	01.30	14/06/2012	02.08	132 KV Bus dead.132/11KV,16 MVA T/F LV side CT burst.
Kalmeshwar-Hingna-II	14/06/2012	01.30	14/06/2012	03.04	132 KV Bus dead.
Kalmeshwar-Saoner Ckt.II	14/06/2012	01.30	14/06/2012	02.59	132 KV Bus dead.
Kalmeshwar-Saoner Ckt.	14/06/2012	01.30	14/06/2012	02.17	132 KV Bus dead.
Main Bus at Dhule	14/06/2012	12.04	14/06/2012	12.31	132 KV Bus Bar Operated at 220 KV Dhule.
Dhule-Nardhane	14/06/2012	12.04	14/06/2012	12.31	132 KV Bus dead.
Dhule-Sakri	14/06/2012	12.04	14/06/2012	12.31	132 KV Bus dead.
Dhule-Dondaicha - I	14/06/2012	12.04	14/06/2012	12.32	132 KV Bus dead.
Dhule - Dondaicha - II	14/06/2012	12.04	14/06/2012	12.32	132 KV Bus dead.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Jun/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	125
Unit 6	210	115
Unit 7	210	140
	620	380
Bhusawal		
Unit 2	210	160
Unit 3	210	180
Unit 4	500	
Unit 5	500	
	1420	340
Parli		
Unit 3	210	190
Unit 4	210	0
Unit 5	210	155
Unit 6	250	200
Unit 7	250	0
	1130	545
Chandrapur		
Unit 1	210	155
Unit 2	210	160
Unit 3	210	185
Unit 4	210	200
Unit 5	500	400
Unit 6	500	425
Unit 7	500	425
	2340	1950
Paras		
Unit 3	250	0
Unit 4	250	0
	500	0
Khaparkheda		
Unit 1	210	210
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	250
	1340	880
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	190
	630	610
Uran		
All Units	852	640
	852	640
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	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	12
BHIRA T.R.	80	80
RNGR+BHTSA	20	20
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	172
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	600	1100
WARDHA	405	464
Other CPPs	0	
	1005	1564
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4535
	3455	4535

	18400	7 of 7 15163
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