



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Jun/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Jun/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	101.299	1337.986	1) Gujrat	3.059	81.112
2) Hydro	35.485	165.626	2) Madhya Pradesh	19.206	232.552
3) Gas	11.741	147.924	3) Chattisgarh	9.730	121.290
Total MSGENCO	148.525	1651.536	4) Maharashtra	42.837	632.841
B) OTHERS			5) Goa	-6.667	-78.614
1) JSW JAIGAD	28.928	341.806	6) TAPS 1&2 Injection	7.576	91.555
2) WPCL	10.309	118.991	7) RGPPL Injection	19.921	253.379
3) Other CPP / IPP	7.722	82.950	8) Pench (Excess)	-0.148	-1.742
4) Wind Generation	9.393	220.017	# Total Cent. Sector	95.514	1332.373
5) PENCH (MS)	0.148	1.742	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.161	-162.527
1) TPCL Thermal	30.681	326.472	G) Bilateral Power *		
2) TPCL Hydro	6.524	63.738	1) MSEDCL Bilateral	23.591	374.744
TOTAL TPCL	37.205	390.210	Include PX	0.000	3.249
3) REL Thermal	12.515	150.756	2) MUMBAI Bilateral	14.217	193.058
D) STATE			Include PX	0.653	20.403
1) Thermal (A1+C1+C3)	144.495	1815.214	3) MUMBAI Schedule	14.217	193.058
2) Hydro (A2+B5+C2)	42.157	231.106	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.741	147.924	1) MSEDCL	290.378	3586.888
4) Wind (B4)	9.393	220.017	2) TPCL	38.919	464.712
5) CPP (B1+B2+B3)	46.959	543.747	3) REL	20.961	238.765
TOTAL STATE	254.745	2958.008	TOTAL STATE	350.258	4290.365

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	4012	4012	4431
MSGENCO Hydro	2137	1739	1062
MSGENCO Gas	443	555	455
MSGENCO Total Generation	6592	6306	5948
Central Sector Receipt	4562	3930	3493
WIND	275	291	371
CPP / IPP	1968	1956	1960
Exchange with Mumbai	-600	-558	-138
MSEDCL DEMAND MET	12797	11925	11634
Load Shedding	1445	1597	283
MSEDCL DEMAND	14242	13522	11917
TPCL GENERATION	1898	1906	1133
R-INFRA GENERATION	523	521	516
TPCL+R-INFRA DEMAND	3021	2985	1787
STATE DEMAND MET	15818	14910	13421
STATE DEMAND	17263	16507	13704
Frequency (Hz)	49.24	49.44	49.13

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.05 Hz at 22.27 Hrs	48.75 Hz at 11.03 Hrs	49.32	34.72 % 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 12/Jun/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.22	32.82	120	65	120
Unit 6	3.76	37.26	165	133	160
Unit 7	3.75	39.37	176	105	160
Total	9.74	109.45			440
Bhusawal					
Unit 2	3.76	40.82	165	150	165
Unit 3	4.08	48.61	180	155	180
Unit 4	0.00	18.53	0	0	
Unit 5	0.00	0.00	0	0	
Total	7.84	107.97			345
Parli					
Unit 3	4.28	47.69	200	143	200
Unit 4	0.00	2.58	0	0	0
Unit 5	3.85	45.52	175	135	165
Unit 6	4.06	55.46	200	115	172
Unit 7	0.00	41.79	0	0	0
Total	12.20	193.05			537
Chandrapur					
Unit 1	3.05	45.92	152	100	155
Unit 2	3.12	33.33	161	104	165
Unit 3	4.22	47.40	186	144	185
Unit 4	4.53	53.66	196	180	200
Unit 5	8.92	85.82	425	300	450
Unit 6	9.50	124.73	476	290	450
Unit 7	9.00	97.72	450	182	350
Total	42.35	488.59			1955
Paras					
Unit 3	6.15	64.77	260	246	250
Unit 4	0.00	0.00	0	0	0
Total	6.15	64.77			250
Khaparkheda					
Unit 1	4.64	34.45	200	175	200
Unit 2	0.00	0.72	0	0	0
Unit 3	4.51	58.38	204	170	200
Unit 4	4.91	59.46	217	170	180
Unit 5	3.94	60.99	273	0	250
Total	18.01	214.00			830
Nasik					
Unit 3	0.48	58.11	220	0	0
Unit 4	4.54	57.63	195	180	200
Unit 5	0.00	44.42	0	0	0
Total	5.02	160.16			200
Uran					
All Units	11.74	147.92	559	438	460
Total	11.74	147.92			460
PENCH (MS)					
Pench (MS)	0.15	1.74	24	0	
Total	0.15	1.74			
Koyna					
Stage 1-2	8.98	54.50	515	55	530
Stage 4	17.80	57.48	1121	0	250
Stage 3	5.91	25.64	320	80	320
Kovna 12&4 Total	26.78	111.98			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	32.68	137.62			1100
Hydro					
KDPH	0.46	3.93	30	0	0
VTRNA	1.23	5.07	61	0	61
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.40	3.38	82	0	80
RNGR+BHTSA	0.26	2.50	11	10	11
BHANDARDRA	0.31	0.96	13	13	11
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.13	3.16	13	3	10
GHATGHAR	0.00	9.01	0	0	0
Total	2.80	28.01			173
Wind					
MalharPeth	0.66	6.89			
Vankuswadi	0.61	11.33			
ATIT	0.36	2.21			
Kale	0.29	3.97			
Satara	1.08	18.35			
Shirala	0.51	5.32			
K Mahankal	1.06	15.69			
Supa	0.13	2.89			
Vita	1.81	25.79			
Dondaicha	1.86	89.38			
Sakri	0.19	11.89			
Nandurbar	0.18	9.02			
Khandke	0.43	8.57			
Khaparale	0.24	8.72			
Total	9.39	220.02			
CPP					
JSW JAIGAD	28.93	341.81	1209	1201	1100
WARDHA	10.31	118.99	433	427	430
Other CPPs	7.72	82.95			
Total	46.96	543.75			1530
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.02	125.61	502	497	500
Trombay 6	8.24	75.17	505	159	500
Trombay 7A	2.84	34.48	122	115	120
Trombay 7B	1.58	19.12	67	65	60
Trombay 8	6.00	72.08	252	249	250
TATA Hydro	6.52	63.74	471	35	447
Total	37.20	390.21			1877
REL					
1&2	12.52	150.76	526	513	500
Total	12.52	150.76			500
Cent Sect					
Share					4174
Total					4174

MS PG CL	Thermal	101.30	1337.99			4557
	Thml+Gas	113.04	1485.91			5017
	Hydro	35.48	165.63			1273
	Total	148.52	1651.54			6290
State Total		254.74	2958.01			14371

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	4424	1633	456	6513	461	1946	4076	3736	-641	-425	12233	180	12413	2237	14650	49.18
2	4515	1329	456	6300	504	1962	3947	3629	-519	-320	12075	251	12326	2017	14343	49.24
3	4353	1223	450	6026	490	1957	3855	3686	-432	-230	11929	257	12186	1890	14076	49.40
4	4311	1138	452	5901	457	1957	3776	3518	-348	-164	11669	270	11939	1815	13754	49.14
5	4431	1062	455	5948	371	1960	3746	3493	-318	-138	11634	283	11917	1787	13704	49.13
6	4436	1271	454	6161	430	1959	3803	3732	-378	-179	12103	407	12510	1829	14339	49.21
7	4472	1049	454	5975	352	1958	3886	3595	-449	-205	11675	842	12517	1851	14368	49.03
8	4453	1151	462	6066	321	1957	3916	3849	-481	-292	11901	914	12815	1988	14803	49.45
9	4413	1363	455	6231	324	1953	3957	4018	-538	-388	12138	1293	13431	2295	15726	49.45
10	4240	1887	444	6571	291	1957	3987	3995	-591	-503	12311	1255	13566	2714	16280	49.28
11	4061	2107	438	6606	261	1960	4085	3935	-682	-580	12182	1371	13553	2982	16535	48.96
12	4012	2137	443	6592	275	1968	4178	4562	-736	-600	12797	1445	14242	3021	17263	49.24
13	4031	2075	441	6547	238	1965	4193	4501	-732	-595	12656	1280	13936	3019	16955	49.25
14	4037	1979	443	6459	199	1960	4208	4327	-704	-515	12430	1055	13485	2928	16413	49.14
15	4167	1990	450	6607	183	1943	4264	4121	-723	-555	12299	1297	13596	2981	16577	49.13
16	4041	2024	545	6610	185	1945	4297	4264	-710	-590	12414	1561	13975	3019	16994	49.29
17	4012	1739	555	6306	291	1956	4260	3930	-675	-558	11925	1597	13522	2985	16507	49.44
18	4114	815	555	5484	656	1962	4227	3590	-625	-426	11273	1094	12367	2854	15221	49.63
19	4153	585	559	5297	722	1963	4266	3746	-579	-386	11365	572	11937	2747	14684	49.64
20	4157	1208	550	5915	430	1966	4339	4191	-621	-448	12077	726	12803	2753	15556	49.45
21	4138	1355	555	6048	509	1968	4303	4048	-652	-437	12159	695	12854	2685	15539	49.35
22	4070	1323	555	5948	459	1949	4300	4182	-675	-477	12084	609	12693	2554	15247	49.55
23	4074	1387	556	6017	494	1936	4331	4609	-711	-544	12535	263	12798	2492	15290	49.63
24	4184	1655	558	6397	490	1952	4257	4257	-700	-606	12514	191	12705	2438	15143	49.48
MUs	101.30	35.48	11.74	148.52	9.39	46.96	98.46	95.51	-14.22	-10.16	290.38	19.71	310.09	59.88	369.97	49.32

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 12/Jun/2012

Position as on 6.30 Hrs of 13/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.	13/06/2012
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		Continued.	Gas Shortage	
Parli Unit 4	210	02/06/2012	00.30		Continued.	ID Fan problem.	13/06/2012
Uran Unit 5	108	05/06/2012	18.28	12/06/2012	16.05	Gas Shortage	
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		Continued.	Micom relay replacement.	14/06/2012
Dabhol 3A	230	10/06/2012	12.48		Continued.	Gas Shortage	
Nasik Unit 5	210	10/06/2012	14.50	13/06/2012	06.35	BLR T/L.	
Koyna ST - IV 4	250	10/06/2012	23.10	12/06/2012	04.05	Differential Protection.	
Cent_Sect Sipat U-2	660	11/06/2012	14.45	12/06/2012	10.22	Boiler Tube Leakage	
Parli Unit 7	250	11/06/2012	18.30		Continued.	CHP problem	14/06/2012
Nasik Unit 3	210	12/06/2012	02.25		Continued.	Boiler Tube Leakage	15/06/2012
Khaparkheda Unit 5	500	12/06/2012	15.11	12/06/2012	22.57	Air Heater Problem	
Cent_Sect Sipat U-2	660	13/06/2012	02.38		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Jun/2012

Position as on 6.30 Hrs of 13/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	09/06/2012	03.50	12/06/2012	09.47	Over Voltage.
Dhule-S'Sarovar I	10/06/2012	01.55		Continued.	Over Voltage.
765KV Seoni - Wardha - II	11/06/2012	12.04		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Mapusa-II	13/06/2012	00.41		Continued.	Over Voltage
IntraState					
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		Continued.	Main Breaker Compressor problem(ICT on TBC)
Karad-Lonikhand	08/06/2012	11.38	12/06/2012	14.59	Repl.of Faulty Insulator(Ready for charging Dt.11/6/12 at 19.24Hrs)
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- I @ Nagothane	12/06/2012	10.05	12/06/2012	20.40	Fixing of Fire Detector
400/220KV 315MVA ICT-II @ New Koyna	12/06/2012	11.18	12/06/2012	14.22	Covering of PNRV by plastic cover
400/220 KV 315 MVA ICT- II @ Dhule	12/06/2012	12.26	12/06/2012	13.25	To release Air
80 MVAR Reactor @ Kharghar	12/06/2012	17.45	12/06/2012	18.05	Fixing of Rainguard to main Bucholz
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.
Kandalgaon - Sona Alloy	12/06/2012	06.50	12/06/2012	20.45	Dismantling of existing 15 degree Tower with Conductor
Vankuswadi-KDPH	12/06/2012	09.05	12/06/2012	18.22	Replacement of Isolator
Lonikand -Theur - II	12/06/2012	10.41	12/06/2012	16.18	DCRM Measurement of Main Breaker(Taken on TBC)
Khaparkheda - Kanhan - I	12/06/2012	11.09	12/06/2012	18.01	Q.M.work
Miraj -Ichalkarajni	12/06/2012	14.05	12/06/2012	18.32	Q.M.Work
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/33 KV 100 MVA ICT - III @ Ghodbandar	09/06/2012	17.22	12/06/2012	00.07	Y ph.bushing heavy noise.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Aurangabad-I	06/06/2012	18.20	12/06/2012	15.25	Over Voltage.
Karad-Kolhapur-II	11/06/2012	16.40	12/06/2012	10.47	Over Voltage
Bhusawal- Aurangabad	11/06/2012	17.00	12/06/2012	06.40	Over Voltage
Deepnagar-Waluj II	12/06/2012	16.00		Continued.	Over Voltage
Bhusawal- Aurangabad	12/06/2012	16.21		Continued.	Over Voltage
Karad - Kolhapur - I	12/06/2012	22.02		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Bus Reactor @ Kolhapur	12/06/2012	08.08	12/06/2012	18.00	PRV Trip
Bhusawal- Aurangabad	12/06/2012	13.42	12/06/2012	14.22	Distance Protection
Deepnagar-Waluj II	12/06/2012	15.06	12/06/2012	15.36	Distance Protection
400/220KV 500MVA ICT-	12/06/2012	16.01	12/06/2012	20.03	Tripped on NDR

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Jun/2012

Position as on 6.30 Hrs of 13/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
III at Dhule					
400/220KV,500MVA ICT-III At Kalwa.	12/06/2012	17.05	12/06/2012	17.27	R Phase CT Burst of 200MVA Spare ICT
400/220/33KV,500 MVA ICT-I At Kalwa	12/06/2012	17.05	12/06/2012	19.11	R Phase CT Burst of 200MVA Spare ICT
Kalwa-Kharghar	12/06/2012	17.05	12/06/2012	17.26	R Phase CT Burst of 200MVA Spare ICT
Kalwa-Padgha-II	12/06/2012	17.05	12/06/2012	17.48	R Phase CT Burst of 200MVA Spare ICT
Voltage Level : 220KV			Outage Type TRIPPED		
Pedambe - Karad	12/06/2012	05.02	12/06/2012	05.23	Distance Protection
Kalwa - Kharghar	12/06/2012	17.05	12/06/2012	17.35	R Phase CT Burst of 200MVA Spare ICT
220/100KV 200MVA ICT-I at Kalwa	12/06/2012	17.05	12/06/2012	17.37	R Phase CT Burst of 200MVA Spare ICT
220/22 KV 50 MVA T/F - I @ Kalwa	12/06/2012	17.05	12/06/2012	17.46	R Phase CT Burst of 200MVA Spare ICT
Kalwa-Airoli-Knowledge park	12/06/2012	17.05	12/06/2012	17.40	R Phase CT Burst of 200MVA Spare ICT
220/100KV 200MVA ICT-II at Kalwa	12/06/2012	17.05	12/06/2012	17.38	R Phase CT Burst of 200MVA Spare ICT
Kalwa-Mahape	12/06/2012	17.05	12/06/2012	17.40	R Phase CT Burst of 200MVA Spare ICT
Kalwa-Trombay	12/06/2012	17.05	12/06/2012	17.27	R Phase CT Burst of 200MVA Spare ICT
Creak Side Bus @ Kalwa	12/06/2012	17.05	12/06/2012	17.42	R Phase CT Burst of 200MVA Spare ICT
Interconnector @ Kalwa-II	12/06/2012	17.05	12/06/2012	17.46	R Phase CT Burst of 200MVA Spare ICT
Voltage Level : 132KV			Outage Type TRIPPED		
Chalishaon-Dhule	10/06/2012	11.40		Continued.	R Phase Breaker Pole Burst(Ckt.charged through TBC)

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Jun/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	145
Unit 7	210	160
	620	425
Bhusawal		
Unit 2	210	160
Unit 3	210	180
Unit 4	500	0
Unit 5	500	0
	1420	340
Parli		
Unit 3	210	162
Unit 4	210	0
Unit 5	210	155
Unit 6	250	150
Unit 7	250	0
	1130	467
Chandrapur		
Unit 1	210	155
Unit 2	210	160
Unit 3	210	160
Unit 4	210	200
Unit 5	500	425
Unit 6	500	300
Unit 7	500	450
	2340	1850
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
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	0
Unit 4	210	142
Unit 5	210	0
	630	142
Uran		
All Units	852	570
	852	570
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Hydro		
KDPH	40	30
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	13
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	
	611	203
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	460
Other CPPs	0	
	1005	1560
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	4220
	3455	4220

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