



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Jun/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Jun/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	120.420	120.420	1) Gujrat	13.881	13.881
2) Hydro	5.672	5.672	2) Madhya Pradesh	16.159	16.159
3) Gas	12.419	12.419	3) Chattisgarh	10.100	10.100
Total MSGENCO	138.511	138.511	4) Maharashtra	50.895	50.895
B) OTHERS			5) Goa	-6.603	-6.603
1) JSW JAIGAD	25.563	25.563	6) TAPS 1&2 Injection	7.672	7.672
2) WPCL	9.508	9.508	7) RGPPL Injection	19.626	19.626
3) Other CPP / IPP	6.173	6.173	8) Pench (Excess)	-0.146	-0.146
4) Wind Generation	28.647	28.647	# Total Cent. Sector	111.584	111.584
5) PENCH (MS)	0.146	0.146	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.910	-14.910
1) TPCL Thermal	28.800	28.800	G) Bilateral Power *		
2) TPCL Hydro	5.229	5.229	1) MSEDCL Bilateral	30.112	30.112
TOTAL TPCL	34.029	34.029	Include PX	0.000	0.000
3) REL Thermal	12.558	12.558	2) MUMBAI Bilateral	15.634	15.634
D) STATE			Include PX	2.005	2.005
1) Thermal (A1+C1+C3)	161.778	161.778	3) MUMBAI Schedule	15.634	15.634
2) Hydro (A2+B5+C2)	11.047	11.047	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.419	12.419	1) MSEDCL	305.222	305.222
4) Wind (B4)	28.647	28.647	2) TPCL	41.203	41.203
5) CPP (B1+B2+B3)	41.244	41.244	3) REL	20.293	20.293
TOTAL STATE	255.135	255.135	TOTAL STATE	366.718	366.718

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	4921	4964	5086
MSGENCO Hydro	363	307	72
MSGENCO Gas	525	580	442
MSGENCO Total Generation	5809	5851	5600
Central Sector Receipt	4932	4782	4341
WIND	1206	1129	1319
CPP / IPP	1756	1819	1526
Exchange with Mumbai	-852	-773	-416
MSEDCL DEMAND MET	12851	12808	12370
Load Shedding	764	687	271
MSEDCL DEMAND	13615	13495	12641
TPCL GENERATION	1698	1764	972
R-INFRA GENERATION	526	522	523
TPCL+R-INFRA DEMAND	3076	3059	1911
STATE DEMAND MET	15927	15867	14281
STATE DEMAND	16691	16554	14552
Frequency (Hz)	49.49	49.73	49.60

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.42 Hz at 06.04 Hrs	49.09 Hz at 00.05 Hrs	49.68	1.47 % 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 01/Jun/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.71	2.71	162	70	130
Unit 6	2.76	2.76	140	79	130
Unit 7	3.10	3.10	155	80	150
Total	8.57	8.57			410
Bhusawal					
Unit 2	3.32	3.32	145	130	150
Unit 3	4.04	4.04	175	165	170
Unit 4	2.69	2.69	139	94	
Unit 5	0.00	0.00	0	0	
Total	10.04	10.04			320
Parli					
Unit 3	1.66	1.66	195	0	0
Unit 4	2.57	2.57	116	100	105
Unit 5	4.03	4.03	180	149	165
Unit 6	4.86	4.86	232	174	190
Unit 7	4.74	4.74	216	175	200
Total	17.85	17.85			660
Chandrapur					
Unit 1	3.85	3.85	164	138	165
Unit 2	3.91	3.91	168	152	165
Unit 3	4.22	4.22	185	155	185
Unit 4	4.47	4.47	197	166	190
Unit 5	10.80	10.80	465	430	470
Unit 6	10.48	10.48	481	360	475
Unit 7	9.30	9.30	410	360	400
Total	47.02	47.02			2050
Paras					
Unit 3	6.07	6.07	260	247	250
Unit 4	0.00	0.00	0	0	0
Total	6.07	6.07			250
Khaparkheda					
Unit 1	4.86	4.86	210	190	210
Unit 2	0.72	0.72	170	0	0
Unit 3	4.83	4.83	212	187	210
Unit 4	4.71	4.71	220	155	210
Unit 5	0.83	0.83	174	0	0
Total	15.95	15.95			630
Nasik					
Unit 3	5.24	5.24	225	200	210
Unit 4	4.99	4.99	213	194	210
Unit 5	4.68	4.68	200	187	190
Total	14.91	14.91			610
Uran					
All Units	12.42	12.42	628	395	410
Total	12.42	12.42			410
PENCH (MS)					
Pench (MS)	0.15	0.15	25	0	
Total	0.15	0.15			
Koyna					
Stage 1-2	3.01	3.01	510	40	600
Stage 4	1.00	1.00	278	0	250
Stage 3	0.74	0.74	238	0	320
Kovna 12&4 Total	4.01	4.01			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.75	4.75			1170
Hydro					
KDPH	0.38	0.38	16	15	31
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.20	0.20	75	0	80
RNGR+BHTSA	0.02	0.02	1	0	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.33	0.33	20	11	18
GHATGHAR	0.00	0.00	0	0	0
Total	0.92	0.92			129
Wind					
MalharPeth	0.92	0.92			
Vankuswadi	1.74	1.74			
ATIT	0.22	0.22			
Kale	0.66	0.66			
Satara	0.66	0.66			
Shirala	0.44	0.44			
K Mahankal	4.64	4.64			
Supa	0.39	0.39			
Vita	3.56	3.56			
Dondaicha	10.51	10.51			
Sakri	1.44	1.44			
Nandurbar	1.08	1.08			
Khandke	1.20	1.20			
Khaparale	1.20	1.20			
Total	28.65	28.65			
CPP					
JSW JAIGAD	25.56	25.56	1223	916	1100
WARDHA	9.51	9.51	423	329	393
Other CPPs	6.17	6.17			
Total	41.24	41.24			1493
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.11	11.11	502	261	500
Trombay 6	7.19	7.19	462	157	500
Trombay 7A	2.87	2.87	125	115	120
Trombay 7B	1.60	1.60	68	64	60
Trombay 8	6.03	6.03	254	246	250
TATA Hydro	5.23	5.23	471	0	447
Total	34.03	34.03			1877
REL					
1&2	12.56	12.56	529	518	500
Total	12.56	12.56			500
Cent Sect					
Share					4960
Total					4960

MS PG CL	Thermal	120.42	120.42			4930
	Thml+Gas	132.84	132.84			5340
	Hydro	5.67	5.67			1299
	Total	138.51	138.51			6639
State Total		255.14	255.14			15469

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	5175	232	395	5802	1253	1589	5032	5122	-711	-579	13187	118	13305	2356	15661	49.58
2	5167	97	441	5705	1303	1597	4816	4638	-595	-463	12780	224	13004	2153	15157	49.51
3	5113	117	441	5671	1316	1588	4605	4422	-514	-413	12584	240	12824	2027	14851	49.52
4	5086	72	441	5599	1336	1502	4565	4325	-485	-410	12352	254	12606	1951	14557	49.61
5	5086	72	442	5600	1319	1526	4559	4341	-431	-416	12370	271	12641	1911	14552	49.60
6	5066	318	440	5824	1454	1531	4493	4444	-390	-397	12856	393	13249	1945	15194	49.78
7	5059	147	443	5649	1719	1529	4643	4249	-438	-412	12734	815	13549	1923	15472	50.01
8	5074	68	482	5624	1477	1523	4650	4279	-448	-484	12419	853	13272	2046	15318	50.08
9	5003	71	537	5611	1367	1535	4651	4439	-457	-561	12391	875	13266	2335	15601	49.87
10	4982	431	535	5948	1245	1630	4865	4616	-624	-820	12619	639	13258	2710	15968	49.79
11	4943	618	528	6089	1222	1706	5110	5039	-799	-972	13084	609	13693	2982	16675	49.56
12	4921	363	525	5809	1206	1756	5125	4932	-781	-852	12851	764	13615	3076	16691	49.49
13	4910	157	529	5596	1246	1805	5215	5091	-843	-756	12982	799	13781	3079	16860	49.67
14	4920	73	525	5518	1262	1816	5147	4739	-782	-672	12663	727	13390	2976	16366	49.53
15	4936	318	443	5697	1069	1843	5092	5152	-789	-715	13046	590	13636	3048	16684	49.45
16	4983	638	513	6134	1135	1838	4982	4993	-818	-686	13414	562	13976	3072	17048	49.44
17	4964	307	580	5851	1129	1819	4972	4782	-807	-773	12808	687	13495	3059	16554	49.73
18	4969	76	585	5630	1044	1850	4930	4420	-768	-751	12196	557	12753	2959	15712	49.91
19	4995	76	582	5653	916	1859	4876	3834	-646	-723	11564	416	11980	2783	14763	49.94
20	4995	126	593	5714	892	1859	5029	4523	-692	-612	12401	523	12924	2745	15669	49.68
21	5033	298	588	5919	810	1883	4968	4713	-633	-528	12821	523	13344	2696	16040	49.75
22	5026	92	585	5703	816	1887	5015	4602	-667	-550	12481	510	12991	2576	15567	49.63
23	5063	221	628	5912	954	1880	5017	5097	-734	-649	13217	189	13406	2542	15948	49.59
24	5023	484	618	6125	942	1893	4959	4842	-782	-716	13109	155	13264	2547	15811	49.61
MUs	120.49	5.47	12.42	138.38	28.43	41.24	117.32	111.63	-15.63	-14.91	304.93	12.29	317.22	61.50	378.72	49.68

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 01/Jun/2012

Position as on 6.30 Hrs of 02/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.	10/06/2012
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.	05/06/2012
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	
Dabhol 1X	290	31/03/2012	19:43		Continued.	Maintenance work.	
Dabhol 1B	230	31/03/2012	19:45		Continued.	Maintenance work.	
Koyna ST - IV 4	250	24/05/2012	16.00		Continued.	Replacement of spherical valve servomotor seal.	03/06/2012
Khaparkheda Unit 5	500	29/05/2012	07.31	01/06/2012	17.02	Flame Failure.	
Uran Unit 7	108	29/05/2012	09.00	01/06/2012	07.27	Gas Shortage.	
CPP JSW (J) U2	300	31/05/2012	05.20	01/06/2012	09.43	Tripped.	
Dabhol 3A	230	31/05/2012	10.51		Continued.	Gas shortage.	
Parli Unit 3	210	31/05/2012	15.28	01/06/2012	13.50	Flame failure.	
CPP WPCL U-2	135	01/06/2012	02.57		Continued.	Excitation problem.	
Parli Unit 4	210	02/06/2012	00.30		Continued.	ID Fan problem.	
Bhusawal Unit 4	500	02/06/2012	06.15		Continued.	Class A prot.operated.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Jun/2012

Position as on 6.30 Hrs of 02/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
765KV Seoni - Wardha - II	30/05/2012	17.48		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Wardha - II	01/06/2012	19.21	01/06/2012	20.48	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Wardha - Deoli (PGCIL)	01/06/2012	19.21	01/06/2012	21.01	Distance Protection.
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
Padgha - Nagothane - I	29/05/2012	15.55		Continued.	Main Breaker Overhauling Work upto 7/06/12.(Taken on TBC)
Dabhol-Nagothane-II	01/06/2012	07.04	01/06/2012	10.54	Restranging of E/W.
Kalwa-Padgha II	01/06/2012	07.34	01/06/2012	09.10	Hot spot,29C isolator.
Lonikand- Koyna Stage IV	01/06/2012	07.50	01/06/2012	19.59	Repl.of insulator.
400/220KV 500MVA ICT- I at Khaperkheda	01/06/2012	08.15	01/06/2012	16.38	Testing of NDR relay.
Akola - Bhusawal	01/06/2012	08.36	01/06/2012	22.44	Repl.of insulator.
Kalwa - Padgha - I	01/06/2012	09.29	01/06/2012	16.46	Repair of Y-Ph damaged conductor.
400/220/33KV,500 MVA ICT-I At Kalwa	01/06/2012	10.15	01/06/2012	19.38	Testing work.
Karad-Jaigad II	01/06/2012	12.28	01/06/2012	22.48	Repl.of insulator, ready for charging at 20.40Hrs.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA
Uran-Kharghar-II	15/02/2012	07.42		Continued.	Mumbai system strengthing work
Kharghar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthing work
Kharghar-TSS	18/02/2012	08.52		Continued.	Temporary Reconfigured as Uran-TSS at 20.30Hrs Dt.18/2/12
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Bale-Usmanabad	30/05/2012	05.27		Continued.	Erection of Towers.
220/33 KV 100 MVA - II @ Aarey	01/06/2012	06.07	01/06/2012	08.39	Premansoon Maint.work.
220KV Creekside Bus @ Kalwa	01/06/2012	06.20	01/06/2012	15.30	Repl.of all 3 twin core jumpers near interconnecting.
Mudshingi-Talangade - I	01/06/2012	07.15	01/06/2012	18.55	Repl.of insulator.
220/100KV 200 MVA ICT- II @ Kolshet	01/06/2012	08.04	01/06/2012	12.48	R.M.Work
Babaleshwar - Ranjangaon	01/06/2012	08.21	01/06/2012	19.50	Restranging of E/W.
Raymond-Washala	01/06/2012	09.12	01/06/2012	15.23	Testing work.
Mahape - Siemens	01/06/2012	09.15	01/06/2012	18.23	Water proffing work at Siemens.
Nivali-Pawas	01/06/2012	10.22	01/06/2012	12.11	Hot Spot.
Padgha-Vasai	01/06/2012	10.27	01/06/2012	18.21	Testing work.
Chalishaon - Malegaon	01/06/2012	10.53	01/06/2012	16.38	Insulator replacement.
Kalwa-Colourchem	01/06/2012	10.57	01/06/2012	19.20	Maint.of 220KV Bus Sec.Isolator and PT Isolator.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Jun/2012

Position as on 6.30 Hrs of 02/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
220/100 KV 200 MVA ICT-I @ Kolshet	01/06/2012	13.26	01/06/2012	18.30	R.M.Work
220/132 KV 100MVA ICT I at Pusad	01/06/2012	15.45	01/06/2012	18.16	Tan delta measurement of CT.
Bale - Lamboti I	01/06/2012	16.43	01/06/2012	21.43	Hot Spot.
220 KV Bus-I @Trombay	01/06/2012	23.18	02/06/2012	01.49	Charging 220 KV Chembur I&II cables for soak test.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/33 KV 100 MVA T/F @ Walve	01/06/2012	15.45	01/06/2012	18.16	Connecting jumpers of Y-Ph isolator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	31/05/2012	18.41		Continued.	Over Voltage.
Bhusawal- Aurangabad	01/06/2012	17.49	02/06/2012	06.38	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Jaigad I	31/05/2012	02.45	01/06/2012	11.40	Distance Protection,Declared Faulty.
New Koyna-Jaigad II	02/06/2012	04.12		Continued.	Dist.Prot,declared faulty.
Voltage Level : 220KV			Outage Type TRIPPED		
Pedambe - Tambati	01/06/2012	11.53		Continued.	Distance Protection.
Badnera - Deoli (PGCIL)	01/06/2012	19.21	01/06/2012	20.45	Distance Protection.
Karad-Pophali	02/06/2012	00.40		Continued.	Dist.protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Jun/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	115
Unit 6	210	130
Unit 7	210	85
	620	330
Bhusawal		
Unit 2	210	140
Unit 3	210	170
Unit 4	500	0
Unit 5	500	0
	1420	310
Parli		
Unit 3	210	185
Unit 4	210	0
Unit 5	210	154
Unit 6	250	200
Unit 7	250	170
	1130	709
Chandrapur		
Unit 1	210	165
Unit 2	210	160
Unit 3	210	160
Unit 4	210	190
Unit 5	500	470
Unit 6	500	450
Unit 7	500	385
	2340	1980
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	300
	1340	930
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	182
	630	566
Uran		
All Units	852	620
	852	620
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	16
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	105
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	390
Other CPPs	0	
	1005	1490
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	4981
	3455	4981