



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Jun/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Jun/2012 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	92.522	3109.833	1) Gujrat	5.921	192.092
2) Hydro	19.712	409.424	2) Madhya Pradesh	14.634	496.568
3) Gas	7.635	350.216	3) Chattisgarh	11.650	315.730
Total MSGENCO	119.869	3869.473	4) Maharashtra	49.897	1496.128
B) OTHERS			5) Goa	-5.569	-180.204
1) JSW JAIGAD	29.028	854.876	6) TAPS 1&2 Injection	7.371	226.794
2) WPCL	10.487	292.306	7) RGPPL Injection	18.078	606.114
3) Other CPP / IPP	5.851	205.545	8) Pench (Excess)	-0.069	-3.372
4) Wind Generation	14.948	630.058	# Total Cent. Sector	101.913	3149.850
5) PENCH (MS)	0.069	3.372	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.715	-388.052
1) TPCL Thermal	29.461	846.595	G) Bilateral Power *		
2) TPCL Hydro	4.337	160.396	1) MSEDCL Bilateral	31.528	885.090
TOTAL TPCL	33.798	1006.991	Include PX	0.000	6.184
3) REL Thermal	12.576	365.474	2) MUMBAI Bilateral	13.846	458.724
D) STATE			Include PX	-0.055	42.057
1) Thermal (A1+C1+C3)	134.559	4321.902	3) MUMBAI Schedule	13.846	464.912
2) Hydro (A2+B5+C2)	24.118	573.192	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.635	350.216	1) MSEDCL	273.450	8617.428
4) Wind (B4)	14.948	630.058	2) TPCL	36.924	1171.373
5) CPP (B1+B2+B3)	45.366	1352.727	3) REL	18.161	588.953
TOTAL STATE	226.626	7228.095	TOTAL STATE	328.535	10377.754

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3862	3696	4206
MSGENCO Hydro	1678	496	126
MSGENCO Gas	287	300	286
MSGENCO Total Generation	5827	4492	4618
Central Sector Receipt	4863	4400	3890
WIND	471	1004	445
CPP / IPP	1875	1880	1899
Exchange with Mumbai	-429	-427	-126
MSEDCL DEMAND MET	12607	11349	10726
Load Shedding	883	934	311
MSEDCL DEMAND	13490	12283	11037
TPCL GENERATION	1786	1639	1096
R-INFRA GENERATION	522	524	526
TPCL+R-INFRA DEMAND	2737	2590	1748
STATE DEMAND MET	15344	13939	12474
STATE DEMAND	16227	14873	12785
Frequency (Hz)	49.28	49.63	49.54

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.05 Hz at 18.03 Hrs	48.87 Hz at 23.17 Hrs	49.51	7.92 % 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 30/Jun/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	70.16	0	0	0
Unit 6	1.89	94.45	135	0	130
Unit 7	3.82	81.73	170	130	150
Total	5.71	246.35			280
Bhusawal					
Unit 2	3.92	108.54	170	155	170
Unit 3	0.00	113.22	0	0	0
Unit 4	0.00	18.53	0	0	
Unit 5	0.00	0.00	0	0	
Total	3.92	240.30			170
Parli					
Unit 3	3.30	99.60	169	89	150
Unit 4	3.07	27.81	160	86	140
Unit 5	3.22	106.21	158	109	125
Unit 6	0.00	96.82	0	0	0
Unit 7	0.00	86.48	0	0	0
Total	9.59	416.92			415
Chandrapur					
Unit 1	3.64	109.66	156	145	150
Unit 2	3.53	91.12	173	123	165
Unit 3	4.36	120.94	188	178	185
Unit 4	4.49	131.91	202	146	200
Unit 5	9.34	243.97	440	265	450
Unit 6	9.95	282.04	465	335	450
Unit 7	8.68	256.73	391	321	400
Total	44.00	1236.36			2000
Paras					
Unit 3	0.00	69.04	0	0	0
Unit 4	1.80	21.76	260	0	250
Total	1.80	90.80			250
Khaparkheda					
Unit 1	4.62	102.02	205	160	210
Unit 2	0.00	0.72	0	0	0
Unit 3	4.28	139.97	210	127	130
Unit 4	4.90	144.65	215	189	210
Unit 5	0.00	108.92	0	0	0
Total	13.80	496.29			550
Nasik					
Unit 3	5.14	139.40	220	200	210
Unit 4	4.56	122.41	208	172	210
Unit 5	4.00	121.01	198	0	190
Total	13.70	382.82			610
Uran					
All Units	7.64	350.22	400	280	280
Total	7.64	350.22			280
PENCH (MS)					
Pench (MS)	0.07	3.37	25	0	
Total	0.07	3.37			
Koyna					
Stage 1-2	6.30	133.16	465	40	530
Stage 4	8.24	134.74	838	0	250
Stage 3	3.23	63.76	240	0	240
Kovna 12&4 Total	14.54	267.90			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	17.77	331.66			1020
Hydro					
KDPH	0.00	9.76	0	0	14
VTRNA	0.85	22.58	61	0	61
TILLARI	0.16	0.38	60	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.30	9.79	80	0	80
RNGR+BHTSA	0.22	6.56	10	9	0
BHANDARDRA	0.00	2.29	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.06	6.95	10	0	19
GHATGHAR	0.36	19.46	125	0	0
Total	1.94	77.76			174
Wind					
MalharPeth	0.49	23.87			
Vankuswadi	0.52	36.64			
ATIT	0.19	9.64			
Kale	0.16	13.39			
Satara	0.64	61.76			
Shirala	0.50	16.31			
K Mahankal	0.95	38.69			
Supa	0.06	8.85			
Vita	2.24	80.63			
Dondaicha	6.94	233.55			
Sakri	0.82	30.09			
Nandurbar	0.71	23.67			
Khandke	0.22	28.84			
Khaparale	0.50	24.13			
Total	14.95	630.06			
CPP					
JSW JAIGAD	29.03	854.88	1220	1192	1100
WARDHA	10.49	292.31	444	432	440
Other CPPs	5.85	205.54			
Total	45.37	1352.73			1540
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.95	336.96	502	489	500
Trombay 6	7.12	200.07	479	156	500
Trombay 7A	2.90	85.80	123	119	120
Trombay 7B	1.60	47.52	67	65	60
Trombay 8	5.89	176.25	250	233	250
TATA Hydro	4.34	160.40	376	0	447
Total	33.80	1006.99			1877
REL					
1&2	12.58	365.47	526	522	500
Total	12.58	365.47			500
Cent Sect					
Share					4541
Total					4541

MS PG CL	Thermal	92.52	3109.83			4275
	Thml+Gas	100.16	3460.05			4555
	Hydro	19.71	409.42			1194
	Total	119.87	3869.47			5749
State Total		226.63	7228.10			14207

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	4037	544	287	4868	672	1913	4285	4131	-668	-464	11120	203	11323	2136	13459	49.51
2	4068	471	285	4824	721	1882	4130	3988	-505	-294	11121	282	11403	1950	13353	49.45
3	4137	259	287	4683	611	1906	4062	3842	-439	-200	10842	301	11143	1829	12972	49.53
4	4206	126	286	4618	445	1899	4018	3890	-392	-126	10726	311	11037	1748	12785	49.54
5	4168	404	288	4860	446	1903	3991	3866	-366	-119	10956	321	11277	1739	13016	49.57
6	4215	815	291	5321	435	1894	3956	3825	-329	-155	11320	436	11756	1779	13535	49.47
7	4189	498	289	4976	471	1897	4046	4044	-337	-145	11243	838	12081	1800	13881	49.69
8	4031	678	290	4999	549	1881	4145	4039	-436	-238	11230	855	12085	1888	13973	49.57
9	3988	959	282	5229	493	1882	4177	4081	-467	-338	11347	947	12294	2143	14437	49.55
10	3943	1492	285	5720	472	1873	4380	4228	-564	-452	11841	786	12627	2489	15116	49.54
11	3886	1803	280	5969	493	1864	4537	4444	-635	-457	12313	764	13077	2703	15780	49.27
12	3862	1678	287	5827	471	1875	4520	4863	-673	-429	12607	883	13490	2737	16227	49.28
13	3821	1593	300	5714	367	1873	4506	4542	-684	-413	12083	1008	13091	2714	15805	49.46
14	3831	1393	350	5574	423	1866	4547	4436	-660	-399	11900	906	12806	2635	15441	49.45
15	3805	1215	368	5388	695	1892	4616	4407	-667	-425	11957	821	12778	2643	15421	49.56
16	3803	862	351	5016	839	1874	4627	4513	-680	-424	11818	935	12753	2633	15386	49.55
17	3696	496	300	4492	1004	1880	4607	4400	-648	-427	11349	934	12283	2590	14873	49.63
18	3745	129	360	4234	932	1880	4601	4074	-626	-439	10681	793	11474	2543	14017	49.81
19	3592	112	345	4049	934	1899	4600	4320	-626	-445	10757	604	11361	2456	13817	49.76
20	3603	393	328	4324	888	1906	4606	4649	-643	-452	11320	668	11988	2491	14479	49.56
21	3551	845	400	4796	843	1907	4606	4335	-651	-380	11526	659	12185	2451	14636	49.50
22	3457	831	366	4654	648	1911	4629	4420	-678	-446	11211	597	11808	2400	14208	49.40
23	3431	1026	370	4827	607	1903	4654	4558	-725	-515	11395	301	11696	2336	14032	49.38
24	3457	1090	360	4907	489	1906	4557	4018	-746	-533	10787	236	11023	2256	13279	49.20
MUs	92.52	19.71	7.64	119.87	14.95	45.37	105.40	101.91	-13.85	-8.72	273.45	15.39	288.84	55.09	343.93	49.51

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 30/Jun/2012

Position as on 6.30 Hrs of 01/Jul/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
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	30/06/2012	21.31	A/OH.	
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Bhusawal Unit 4	500	06/06/2012	06.27		Continued.	Vibration Problem	
Paras Unit 3	250	13/06/2012	17.05		Continued.	Structure collapse near ESP.	
Dabhol 1A	230	16/06/2012	11.45		Continued.	Withdrawn.	
Koyna Unit 11	80	18/06/2012	08.00		Continued.	Stator E/F.	
Koyna ST-IV 2	250	20/06/2012	11.00		Continued.	Attending Spherical Valve Srevomotor Oil Leakage.	05/07/2012
Uran Unit 7	108	20/06/2012	12.30	30/06/2012	12.44	Gas Shortage.	
Parli Unit 6	250	23/06/2012	15.03		Continued.	Bunkering problem.	
Cent_Sect NTPC(V-8)	500	23/06/2012	23.38		Continued.	Boiler tube leakage.	
Dabhol 3B	230	25/06/2012	09.41		Continued.	Gas Shortage	
Uran Unit 5	108	26/06/2012	12.50		Continued.	Gas Shortage	
Koradi Unit 5	200	26/06/2012	21.06	01/07/2012	05.27	High Drum Level	
Koyna Unit 4	75	28/06/2012	07.10		Continued.	All Injectors Insitu Meter Filling Work.	
Dabhol 2B	230	28/06/2012	14.44		Continued.	Gas Shortage.	
Parli Unit 7	250	29/06/2012	14.45		Continued.	Furnace pressure high.	
Paras Unit 4	250	30/06/2012	07.03		Continued.	Main oil tank leakage.	
Koradi Unit 6	210	30/06/2012	15.56	01/07/2012	09.31	ID fan high vibration.	
Nasik Unit 5	210	30/06/2012	21.45	01/07/2012	06.35	Flame failure.	
Parli Unit 4	210	01/07/2012	01.50	01/07/2012	08.54	Furnace pressure high.	
Nasik Unit 5	210	01/07/2012	06.40		Continued.	Tripped on turbine problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jun/2012

Position as on 6.30 Hrs of 01/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Khandwa-II	30/06/2012	11.51	30/06/2012	16.17	Hot spot attending work.
Kolhapur-Solapur(PGCIL)-I	30/06/2012	23.55	30/06/2012	23.56	First time charge.
Kolhapur-Solapur (PG) II	01/07/2012	11.20	01/07/2012	11.28	First time charging.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
765KV Seoni - Wardha - II	13/06/2012	16.09		Continued.	Over Voltage
Kolhapur - Mapusa - I	27/06/2012	22.06		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	27/06/2012	22.19	30/06/2012	10.49	Over Voltage.
Karad - Solapur (PGCIL)	30/06/2012	09.45	30/06/2012	10.04	For shifting main bus-II to main bus-I.
Dhule-Sar'Sarovar - I	01/07/2012	00.26		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	01/07/2012	00.37		Continued.	Over Voltage.
Dhule-Khandwa-II	01/07/2012	10.31	01/07/2012	15.16	To attend Hot Spot.
Kolhapur-Solapur (PG) II	01/07/2012	21.59		Continued.	Over Voltage.
Parli-Parli (PGCIL) I	01/07/2012	23.51		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Wardha - II	01/07/2012	14.48	01/07/2012	15.16	Dist.Prot.Z-I.
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
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 @ Dhule	18/06/2012	10.40		Continued.	Cable Termination of CP and RP from new yard
400/220KV 500 MVA ICT I at Lonikand Ph.II	30/06/2012	17.20	30/06/2012	17.22	First time charged from HV side kept on humming.
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.
Apta-Uran-III	30/06/2012	07.58		Continued.	Shifting the aux.isolator,CT line isolator from RCC structure to new G.I.structure.
BBLSR-A"Nagar II	30/06/2012	08.58	30/06/2012	13.50	Armouring of conductor.
Uran-Kharghar-I	30/06/2012	09.40	30/06/2012	17.21	Replacement of flashover insulator string.at Loc.59B.
Babaleshwar - Nagar - I	30/06/2012	14.25	30/06/2012	16.40	Armouring of conductor at tower Loc.No.22-23 B phase.
Borivali-Ghodbandar	01/07/2012	10.00	01/07/2012	12.25	Removing bird nest and R.M.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV 167 MVA Spare ICT at Khaparkheda	20/06/2012	10.17		Continued.	Low Oil Pressure Alarm Received.
Karad - Kolhapur - I	26/06/2012	01.43	30/06/2012	08.53	B Phase CVT heavy oil leakage(Taken on TBC)
Bhusawal- Aurangabad	27/06/2012	17.04		Continued.	Over Voltage,Outage Aailed @ 09.15 Hrs for Replacing Broken Line Spacer & Fixing Repair Siecre for Broken Conductor (Ready for Charging from 10.42 Hrs).

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jun/2012

Position as on 6.30 Hrs of 01/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Deepnagar-Aurangabad-I	28/06/2012	12.05		Continued.	Over Voltage.
Karad-Kolhapur-II	29/06/2012	17.44	30/06/2012	07.32	Over Voltage.
Karad-Jaigad I	30/06/2012	09.08	30/06/2012	09.37	Due to non working of TBC on line shifting.
Karad - Kolhapur - II	30/06/2012	16.27	01/07/2012	11.11	Over Voltage.
Karad-Kolhapur-II	01/07/2012	16.10		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Dhule-Chalisgaon	22/06/2012	15.12		Continued.	To avail outage of 315 MVA ICT-I.
Miraj -Ichalkarajni	30/06/2012	18.41	30/06/2012	19.57	To reduce voltage at 400KV Kolhapur to charge Solapur(PGCIL)-I and II first time.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	26/06/2012	20.43		Continued.	R Phase LV side CT Burst
400/220KV 500 MVA ICT I at Lonikand Ph.II	30/06/2012	19.43	01/07/2012	11.45	NDR.
Lonikand - Parli - I	30/06/2012	20.20	30/06/2012	20.39	During testing and scada work.
Lonikand II-Parli II	30/06/2012	20.20	01/07/2012	11.40	During testing and scada work.
Chandrapur - Parly - III	30/06/2012	20.20	30/06/2012	20.53	During testing and scada work.
400 KV Inter connector at Lonikand II	30/06/2012	20.20	01/07/2012	00.12	During testing and scada work.
Lonikand- Koyna Stage IV	30/06/2012	20.20	30/06/2012	20.34	During testing and scada work.
Voltage Level : 220KV			Outage Type TRIPPED		
220/6.6 KV 40 MVA Station T/F- I @ Khaparkheda	13/06/2012	12.40		Continued.	Bus Duct P.M work & Oil filtration work. (8 days).
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Khaparkheda-Kawlewada-I	30/06/2012	16.20	01/07/2012	14.43	Dist.Protection.
Wardha - Yawatmal	30/06/2012	16.35	01/07/2012	18.32	Dist.Protection Z-I.
Babaleshwar - Ranjangaon	01/07/2012	02.20	01/07/2012	02.32	Distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Bhusawal - Nimbhora	01/07/2012	18.31	01/07/2012	18.36	Dist.Protection Z-I.
Nandurbar-Visarwadi	01/07/2012	20.15	01/07/2012	20.45	Dist.Protection Z-I.
Dhule-Sakri	01/07/2012	21.18	01/07/2012	22.00	Main BKR Problem.(charged on TBC)

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	50
Unit 6	210	0
Unit 7	210	180
	620	230
Bhusawal		
Unit 2	210	0
Unit 3	210	170
Unit 4	500	
Unit 5	500	
	1420	170
Parli		
Unit 3	210	130
Unit 4	210	0
Unit 5	210	135
Unit 6	250	0
Unit 7	250	0
	1130	265
Chandrapur		
Unit 1	210	155
Unit 2	210	160
Unit 3	210	180
Unit 4	210	190
Unit 5	500	360
Unit 6	500	450
Unit 7	500	350
	2340	1845
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	0
	1340	630
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	0
	630	420
Uran		
All Units	852	450
	852	450
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	0
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	18
GHATGHAR	250	0
	611	218
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	440
Other CPPs	0	
	1005	1540
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	4488
	3455	4488

	18400	7 of 7	13653
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