



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Jun/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Jun/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	101.539	3017.311	1) Gujrat	0.433	186.171
2) Hydro	16.757	389.712	2) Madhya Pradesh	14.444	481.934
3) Gas	6.891	342.581	3) Chattisgarh	12.810	304.080
Total MSGENCO	125.187	3749.604	4) Maharashtra	48.697	1446.231
B) OTHERS			5) Goa	-5.514	-174.635
1) JSW JAIGAD	29.213	825.848	6) TAPS 1&2 Injection	7.405	219.423
2) WPCL	10.579	281.819	7) RGPPL Injection	18.607	588.036
3) Other CPP / IPP	4.992	199.694	8) Pench (Excess)	-0.070	-3.303
4) Wind Generation	18.508	615.110	# Total Cent. Sector	96.812	3047.937
5) PENCH (MS)	0.070	3.303	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.745	-379.337
1) TPCL Thermal	30.134	817.134	G) Bilateral Power *		
2) TPCL Hydro	5.263	156.059	1) MSEDCL Bilateral	30.268	853.562
TOTAL TPCL	35.397	973.193	Include PX	0.000	6.184
3) REL Thermal	12.577	352.898	2) MUMBAI Bilateral	14.196	444.878
D) STATE			Include PX	0.000	42.112
1) Thermal (A1+C1+C3)	144.250	4187.343	3) MUMBAI Schedule	14.196	451.067
2) Hydro (A2+B5+C2)	22.090	549.074	H) ENERGY CATERED (MUs)		
3) Gas (A3)	6.891	342.581	1) MSEDCL	275.616	8343.978
4) Wind (B4)	18.508	615.110	2) TPCL	38.828	1134.449
5) CPP (B1+B2+B3)	44.784	1307.361	3) REL	18.888	570.792
TOTAL STATE	236.523	7001.469	TOTAL STATE	333.332	10049.219

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4168	4070	4319
MSGENCO Hydro	1609	613	329
MSGENCO Gas	290	295	290
MSGENCO Total Generation	6067	4978	4938
Central Sector Receipt	4150	4220	3767
WIND	518	1137	806
CPP / IPP	1861	1886	1870
Exchange with Mumbai	-498	-532	-178
MSEDCL DEMAND MET	12098	11709	11203
Load Shedding	710	514	245
MSEDCL DEMAND	12808	12223	11448
TPCL GENERATION	1897	1576	1089
R-INFRA GENERATION	525	524	521
TPCL+R-INFRA DEMAND	2920	2632	1788
STATE DEMAND MET	15018	14341	12991
STATE DEMAND	15728	14855	13236
Frequency (Hz)	49.46	49.58	49.55

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 18.03 Hrs	48.96 Hz at 11.07 Hrs	49.56	1.78 % 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 29/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	2.65	92.56	140	0	140
Unit 7	3.50	77.91	165	125	152
Total	6.15	240.64			292
Bhusawal					
Unit 2	3.98	104.62	170	160	0
Unit 3	0.00	113.22	0	0	170
Unit 4	0.00	18.53	0	0	
Unit 5	0.00	0.00	0	0	
Total	3.98	236.38			170
Parli					
Unit 3	3.63	96.30	183	129	147
Unit 4	3.21	24.73	160	115	145
Unit 5	3.61	102.99	166	135	169
Unit 6	0.00	96.82	0	0	0
Unit 7	2.34	86.48	180	0	146
Total	12.79	407.32			607
Chandrapur					
Unit 1	3.63	106.01	156	144	155
Unit 2	3.97	87.58	172	160	165
Unit 3	4.35	116.58	188	175	185
Unit 4	4.64	127.42	200	184	190
Unit 5	9.84	234.63	475	310	400
Unit 6	10.32	272.08	485	370	460
Unit 7	9.89	248.06	436	360	425
Total	46.65	1192.36			1980
Paras					
Unit 3	0.00	69.04	0	0	0
Unit 4	6.00	19.96	260	227	250
Total	6.00	89.00			250
Khaparkheda					
Unit 1	4.54	97.40	205	150	180
Unit 2	0.00	0.72	0	0	0
Unit 3	2.80	135.69	135	107	120
Unit 4	4.97	139.74	215	195	210
Unit 5	0.00	108.92	0	0	0
Total	12.32	482.48			510
Nasik					
Unit 3	4.94	134.26	220	185	192
Unit 4	4.48	117.85	197	167	192
Unit 5	4.24	117.01	188	161	172
Total	13.66	369.12			556
Uran					
All Units	6.89	342.58	295	279	280
Total	6.89	342.58			280
PENCH (MS)					
Pench (MS)	0.07	3.30	24	0	
Total	0.07	3.30			
Koyna					
Stage 1-2	4.63	126.87	420	35	530
Stage 4	7.07	126.50	836	0	250
Stage 3	3.30	60.53	240	0	240
Kovna 12&4 Total	11.70	253.37			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	15.00	313.89			1020
Hydro					
KDPH	0.17	9.76	14	0	14
VTRNA	0.89	21.73	61	0	61
TILLARI	0.00	0.22	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.40	9.49	82	0	80
RNGR+BHTSA	0.22	6.34	9	8	11
BHANDARDRA	0.00	2.29	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.08	6.89	9	1	4
GHATGHAR	0.00	19.11	0	0	0
Total	1.76	75.82			170
Wind					
MalharPeth	0.38	23.38			
Vankuswadi	0.67	36.12			
ATIT	0.11	9.45			
Kale	0.30	13.23			
Satara	2.67	61.12			
Shirala	0.47	15.81			
K Mahankal	0.13	37.74			
Supa	0.16	8.78			
Vita	2.99	78.39			
Dondaicha	7.95	226.61			
Sakri	0.89	29.28			
Nandurbar	0.72	22.96			
Khandke	0.39	28.62			
Khaparale	0.66	23.63			
Total	18.51	615.11			
CPP					
JSW JAIGAD	29.21	825.85	1226	1211	1100
WARDHA	10.58	281.82	446	429	440
Other CPPs	4.99	199.69			
Total	44.78	1307.36			1540
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.77	325.01	506	453	500
Trombay 6	7.84	192.95	487	158	500
Trombay 7A	2.92	82.90	123	120	120
Trombay 7B	1.59	45.92	67	65	60
Trombay 8	6.02	170.36	253	239	250
TATA Hydro	5.26	156.06	471	0	447
Total	35.40	973.19			1877
REL					
1&2	12.58	352.90	526	521	500
Total	12.58	352.90			500
Cent Sect					
Share					4306
Total					4306

MS PG CL	Thermal	101.54	3017.31			4365
	Thml+Gas	108.43	3359.89			4645
	Hydro	16.76	389.71			1190
	Total	125.19	3749.60			5835
State Total		236.52	7001.47			14058

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/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	4351	824	289	5464	785	1885	4261	4122	-554	-404	11852	153	12005	2057	14062	49.42
2	4339	638	290	5267	777	1865	4093	3730	-500	-272	11367	238	11605	1889	13494	49.51
3	4319	329	290	4938	806	1870	4036	3767	-500	-178	11203	245	11448	1788	13236	49.55
4	4364	309	289	4962	812	1865	3983	3744	-500	-88	11295	254	11549	1710	13259	49.55
5	4307	318	285	4910	865	1867	3955	3716	-500	-53	11305	264	11569	1696	13265	49.50
6	4324	767	293	5384	635	1851	3933	3846	-500	-117	11599	379	11978	1767	13745	49.44
7	4332	696	288	5316	671	1850	4091	3869	-500	-199	11507	820	12327	1859	14186	49.59
8	4360	546	292	5198	530	1859	4141	3971	-554	-281	11277	870	12147	1962	14109	49.59
9	4368	659	289	5316	602	1860	4188	4046	-554	-367	11457	1009	12466	2255	14721	49.53
10	4253	1048	288	5589	588	1853	4246	4271	-600	-389	11912	743	12655	2606	15261	49.50
11	4190	1555	285	6030	461	1864	4342	4302	-657	-504	12153	688	12841	2862	15703	49.48
12	4168	1609	290	6067	518	1861	4369	4150	-672	-498	12098	710	12808	2920	15728	49.46
13	4283	1157	281	5721	460	1862	4320	4289	-672	-487	11845	775	12620	2910	15530	49.60
14	4272	929	284	5485	474	1848	4339	4242	-672	-472	11577	705	12282	2809	15091	49.47
15	4306	1063	279	5648	598	1848	4346	4061	-672	-548	11607	583	12190	2869	15059	49.47
16	4209	908	284	5401	806	1866	4338	4252	-672	-564	11761	586	12347	2896	15243	49.60
17	4117	547	286	4950	974	1874	4339	4094	-657	-561	11331	639	11970	2878	14848	49.67
18	4216	143	285	4644	1063	1865	4318	3737	-647	-578	10731	653	11384	2814	14198	49.92
19	4184	124	287	4595	1116	1875	4310	3631	-647	-534	10683	446	11129	2685	13814	49.86
20	4134	240	288	4662	1167	1875	4322	4193	-624	-555	11342	528	11870	2703	14573	49.56
21	4070	613	295	4978	1137	1886	4327	4220	-554	-532	11709	514	12223	2632	14855	49.58
22	4030	429	285	4744	953	1880	4361	4223	-554	-530	11293	495	11788	2481	14269	49.50
23	4018	644	289	4951	898	1873	4390	4122	-554	-536	11332	252	11584	2387	13971	49.45
24	4025	662	280	4967	812	1882	4364	4214	-680	-498	11380	179	11559	2284	13843	49.52
MUs	101.54	16.76	6.89	125.19	18.51	44.78	101.71	96.81	-14.20	-9.75	275.62	12.73	288.34	57.72	346.06	49.56

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 29/Jun/2012

Position as on 6.30 Hrs of 30/Jun/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		Continued.	A/OH.	30/06/2012
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		Continued.	Gas Shortage.	
Khaparkheda Unit 5	500	23/06/2012	11.09		Continued.	Bunkering problem.	
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		Continued.	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.	
Bhusawal Unit 3	210	28/06/2012	23.38		Continued.	Boiler Validity Expire.	
Koradi Unit 6	210	29/06/2012	08.26	29/06/2012	12.03	Flame failure.	
Parli Unit 7	250	29/06/2012	14.45		Continued.	Furnace pressure high.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jun/2012

Position as on 6.30 Hrs of 30/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		
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		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
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
400/220 KV 315 MVA ICT - I @ Aurangabad	29/06/2012	10.26	29/06/2012	18.41	Half yearly maint.and commissining of CTR nitrogen fire Protection system.
400/220KV 315 MVA ICT-I @ Padgha	29/06/2012	11.00	29/06/2012	15.30	To check tan delta on LV side B-Ph CT.
Kalwa - Lonikand	29/06/2012	11.56	29/06/2012	12.30	Connecting C.T Ckt of Lonikand line to PMV unit of WAMS.
Aux,Bus at 400KV BBLSR.	29/06/2012	12.05	29/06/2012	19.45	Extension of Aux.bus for India bull bay.
Padgha - Kharghar	29/06/2012	12.57	29/06/2012	15.14	Attending heavy sparking of Y ph.LA.
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-IV	26/06/2012	07.59	29/06/2012	21.48	Shifting of Equipments.
Dhule-Chalisgaon	29/06/2012	08.57	29/06/2012	13.12	Attending red hot at wave trap,and Q.M.work.
Main Bus- I @ 400 KV Kalwa	29/06/2012	09.33	29/06/2012	17.11	Removal of bird nest and attend hot spot.
Bus Coupler at 400KV Kalwa.	29/06/2012	09.33	29/06/2012	17.11	Removal of bird nest and attend hot spot.
Miraj - Mhaisal	29/06/2012	10.30	29/06/2012	19.02	Replacement of insulator.
220/132 KV 200 MVA ICT -IV. at Padegaon.	29/06/2012	10.30	29/06/2012	19.25	Measurement of tan delta of ICT bushings and Q.M.Work.
Apta-Kalwa	29/06/2012	11.00	29/06/2012	11.58	For tree cutting.
220/132 KV 200 MVA ICT-II @ Harangul	29/06/2012	12.05	29/06/2012	18.25	Transformer painting and tan delta measurement.
Trombay - Tifil	29/06/2012	13.00	29/06/2012	16.20	Removal of old E/W.at Loc.No.739.
Trombay Sonkhar	29/06/2012	13.01	29/06/2012	16.04	Removal of old E/W.at Loc.No.739.
220/100 KV,100 MVA ICT-II at Vasai	29/06/2012	14.20	29/06/2012	16.52	M.O.G.alarm checking.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Viraj-Jindal	29/06/2012	09.20	29/06/2012	19.21	Repl.of CT,PT and Meter installation asked by M/S Viraj.
Boiser - Viraj	29/06/2012	09.20	29/06/2012	19.20	Repl.of CT,PT and Meter installation asked by M/S Viraj.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa-Kalyan	29/06/2012	10.28	29/06/2012	15.01	To removing bird nest.
Kalwa - Salshet - I	29/06/2012	15.40	29/06/2012	17.50	Hot Spot attending work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jun/2012

Position as on 6.30 Hrs of 30/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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		Continued.	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).
Deepnagar-Aurangabad-I	28/06/2012	12.05		Continued.	Over Voltage.
Karad-Kolhapur-II	28/06/2012	18.10	29/06/2012	10.16	Over Voltage.
Karad-Kolhapur-II	29/06/2012	17.44		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.
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
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
220/132 KV 200 MVA ICT-II @ Boiser	28/06/2012	03.57		Continued.	Internal Fault.
220/66KV 50 MVA ICT- I @ Wardha.	29/06/2012	07.10	29/06/2012	07.24	E/F,O/C.Relay.
220/66KV 50 MVA ICT- II @ Wardha	29/06/2012	07.10	29/06/2012	07.24	E/F,O/C.Relay.
Pophali - Pedambe	29/06/2012	13.10	29/06/2012	13.35	Dist.Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Amravati - Morshi	29/06/2012	14.25	29/06/2012	15.40	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Jun/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	150
	620	280
Bhusawal		
Unit 2	210	0
Unit 3	210	170
Unit 4	500	
Unit 5	500	
	1420	170
Parli		
Unit 3	210	150
Unit 4	210	140
Unit 5	210	125
Unit 6	250	0
Unit 7	250	0
	1130	415
Chandrapur		
Unit 1	210	150
Unit 2	210	165
Unit 3	210	185
Unit 4	210	200
Unit 5	500	450
Unit 6	500	450
Unit 7	500	400
	2340	2000
Paras		
Unit 3	250	0
Unit 4	250	250
	500	250
Khaparkheda		
Unit 1	210	210
Unit 2	210	0
Unit 3	210	130
Unit 4	210	210
Unit 5	500	0
	1340	550
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	190
	630	610
Uran		
All Units	852	280
	852	280
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	14
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	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	19
GHATGHAR	250	0
	611	174
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	4541
	3455	4541