



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Jun/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Jun/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	99.905	2811.139	1) Gujrat	9.210	180.149
2) Hydro	18.797	360.369	2) Madhya Pradesh	12.575	451.900
3) Gas	7.191	328.597	3) Chattisgarh	10.950	279.430
Total MSGENCO	125.893	3500.105	4) Maharashtra	53.515	1345.130
B) OTHERS			5) Goa	-6.063	-163.227
1) JSW JAIGAD	28.666	767.361	6) TAPS 1&2 Injection	7.433	204.584
2) WPCL	10.536	261.595	7) RGPPL Injection	19.090	550.610
3) Other CPP / IPP	6.750	188.497	8) Pench (Excess)	-0.104	-3.148
4) Wind Generation	20.888	579.855	# Total Cent. Sector	106.606	2845.428
5) PENCH (MS)	0.104	3.148	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.049	-359.957
1) TPCL Thermal	30.124	757.036	G) Bilateral Power *		
2) TPCL Hydro	6.286	145.863	1) MSEDCL Bilateral	33.269	791.882
TOTAL TPCL	36.410	902.899	Include PX	1.118	6.184
3) REL Thermal	12.567	327.743	2) MUMBAI Bilateral	16.061	415.508
D) STATE			Include PX	2.135	41.009
1) Thermal (A1+C1+C3)	142.596	3895.918	3) MUMBAI Schedule	16.061	421.697
2) Hydro (A2+B5+C2)	25.187	509.380	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.191	328.597	1) MSEDCL	287.394	7786.032
4) Wind (B4)	20.888	579.855	2) TPCL	41.040	1057.228
5) CPP (B1+B2+B3)	45.952	1217.453	3) REL	19.984	533.190
TOTAL STATE	241.814	6531.203	TOTAL STATE	348.418	9376.450

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	4240	3892	4084
MSGENCO Hydro	1291	1156	888
MSGENCO Gas	305	289	301
MSGENCO Total Generation	5836	5337	5273
Central Sector Receipt	4953	4419	3926
WIND	838	1117	577
CPP / IPP	1927	1826	1895
Exchange with Mumbai	-605	-594	-261
MSEDCL DEMAND MET	12949	12105	11410
Load Shedding	712	740	277
MSEDCL DEMAND	13661	12845	11687
TPCL GENERATION	1888	1903	1078
R-INFRA GENERATION	523	522	524
TPCL+R-INFRA DEMAND	3016	3019	1863
STATE DEMAND MET	15965	15124	13273
STATE DEMAND	16677	15864	13550
Frequency (Hz)	49.70	49.66	49.73

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.11 Hz at 18.04 Hrs	49.15 Hz at 23.12 Hrs	49.67	.6 % 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 27/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	3.50	86.59	160	125	155
Unit 7	3.98	70.63	180	150	150
Total	7.47	227.39			305
Bhusawal					
Unit 2	3.40	96.97	150	125	140
Unit 3	3.84	109.23	170	150	160
Unit 4	0.00	18.53	0	0	
Unit 5	0.00	0.00	0	0	
Total	7.24	224.73			300
Parli					
Unit 3	0.00	91.96	0	0	0
Unit 4	2.84	18.24	163	52	125
Unit 5	3.89	95.60	175	135	175
Unit 6	0.00	96.82	0	0	0
Unit 7	3.69	80.28	170	129	175
Total	10.41	382.90			475
Chandrapur					
Unit 1	3.58	98.77	155	141	155
Unit 2	3.60	79.83	162	138	145
Unit 3	4.21	107.94	184	157	170
Unit 4	4.64	118.07	202	177	195
Unit 5	6.38	214.52	450	0	350
Unit 6	9.95	253.11	475	375	400
Unit 7	9.12	228.67	425	325	350
Total	41.48	1100.91			1765
Paras					
Unit 3	0.00	69.04	0	0	0
Unit 4	5.63	7.97	255	211	200
Total	5.63	77.01			200
Khaparkheda					
Unit 1	4.66	88.18	205	180	210
Unit 2	0.00	0.72	0	0	0
Unit 3	4.91	128.17	220	173	210
Unit 4	4.38	129.91	209	143	210
Unit 5	0.00	108.92	0	0	0
Total	13.95	455.91			630
Nasik					
Unit 3	5.10	124.52	220	200	210
Unit 4	4.35	109.30	192	168	190
Unit 5	4.27	108.48	189	170	190
Total	13.73	342.29			590
Uran					
All Units	7.19	328.60	305	289	280
Total	7.19	328.60			280
PENCH (MS)					
Pench (MS)	0.10	3.15	25	0	
Total	0.10	3.15			
Koyna					
Stage 1-2	6.80	116.00	550	45	600
Stage 4	6.10	117.48	550	0	250
Stage 3	3.53	55.40	240	0	240
Kovna 12&4 Total	12.90	233.48			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	16.43	288.88			1090
Hydro					
KDPH	0.34	9.26	14	13	14
VTRNA	0.83	19.97	61	0	60
TILLARI	0.11	0.11	59	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.39	8.68	82	0	80
RNGR+BHTSA	0.20	5.86	10	8	10
BHANDARDRA	0.00	2.29	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.21	6.69	15	4	8
GHATGHAR	0.30	18.64	125	0	
Total	2.37	71.49			172
Wind					
MalharPeth	0.88	22.23			
Vankuswadi	1.06	34.50			
ATIT	0.42	8.86			
Kale	0.29	12.51			
Satara	1.27	56.96			
Shirala	0.73	14.90			
K Mahankal	1.48	36.49			
Supa	0.30	8.54			
Vita	2.79	73.06			
Dondaicha	7.92	212.34			
Sakri	0.67	27.61			
Nandurbar	0.80	21.66			
Khandke	1.26	27.82			
Khaparale	1.03	22.40			
Total	20.89	579.86			
CPP					
JSW JAIGAD	28.67	767.36	1222	1109	1100
WARDHA	10.54	261.60	444	432	440
Other CPPs	6.75	188.50			
Total	45.95	1217.45			1540
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.97	301.23	506	453	500
Trombay 6	7.81	176.49	504	156	500
Trombay 7A	2.93	77.03	124	120	120
Trombay 7B	1.59	42.74	67	65	60
Trombay 8	5.81	159.53	247	239	250
TATA Hydro	6.29	145.86	471	0	447
Total	36.41	902.90			1877
REL					
1&2	12.57	327.74	527	520	500
Total	12.57	327.74			500
Cent Sect					
Share					4573
Total					4573

MS PG CL	Thermal	99.90	2811.14			4265
	Thml+Gas	107.10	3139.74			4545
	Hydro	18.80	360.37			1262
	Total	125.89	3500.10			5807
State Total		241.81	6531.20			14297

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/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	4269	973	300	5542	1019	1928	4279	4169	-788	-564	12109	150	12259	2304	14563	49.62
2	4223	768	300	5291	880	1929	4149	3953	-596	-429	11624	228	11852	2103	13955	49.61
3	4163	829	302	5294	841	1917	4091	4153	-513	-378	11827	240	12067	1985	14052	49.64
4	4140	801	299	5240	636	1898	4081	3975	-500	-294	11455	258	11713	1906	13619	49.77
5	4084	888	301	5273	577	1895	4081	3926	-500	-261	11410	277	11687	1863	13550	49.73
6	4179	1037	301	5517	621	1899	4078	4264	-500	-287	12014	384	12398	1936	14334	49.71
7	4242	901	303	5446	693	1908	4150	4284	-500	-346	11985	790	12775	1962	14737	49.83
8	4345	775	303	5423	638	1905	4214	4235	-554	-380	11821	845	12666	2062	14728	49.80
9	4355	452	302	5109	896	1899	4226	4417	-554	-339	11982	921	12903	2287	15190	49.77
10	4327	337	301	4965	886	1924	4400	5092	-615	-444	12423	656	13079	2663	15742	49.83
11	4255	912	304	5471	797	1919	4643	5102	-727	-566	12723	594	13317	2965	16282	49.76
12	4240	1291	305	5836	838	1927	4761	4953	-799	-605	12949	712	13661	3016	16677	49.70
13	4223	957	303	5483	889	1940	5005	4675	-759	-606	12381	796	13177	3020	16197	49.64
14	3927	724	301	4952	797	1943	4933	5106	-732	-600	12198	725	12923	3000	15923	49.58
15	3893	1078	294	5265	1024	1935	4799	4911	-734	-591	12544	590	13134	3018	16152	49.58
16	3888	1164	290	5342	1061	1832	4692	4585	-750	-591	12229	646	12875	3017	15892	49.60
17	3892	1156	289	5337	1117	1826	4416	4419	-730	-594	12105	740	12845	3019	15864	49.66
18	3958	422	292	4672	1190	1948	4292	4301	-703	-548	11563	723	12286	2955	15241	49.77
19	4004	183	301	4488	1024	1940	4346	4268	-664	-655	11065	498	11563	2818	14381	49.78
20	4072	428	300	4800	991	1917	4461	4611	-687	-662	11657	609	12266	2842	15108	49.57
21	4215	824	296	5335	887	1929	4494	4509	-712	-611	12064	593	12657	2764	15421	49.61
22	4359	432	303	5094	835	1933	4549	4293	-760	-490	11690	535	12225	2556	14781	49.61
23	4345	706	301	5352	896	1921	4497	4198	-826	-559	11833	250	12083	2498	14581	49.49
24	4307	759	300	5366	855	1940	4424	4207	-858	-649	11743	170	11913	2467	14380	49.44
MUs	99.90	18.80	7.19	125.89	20.89	45.95	106.06	106.61	-16.06	-12.05	287.39	12.93	300.32	61.03	361.35	49.67

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 27/Jun/2012

Position as on 6.30 Hrs of 28/Jun/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
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	
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.	
Dabhol 2A	230	20/06/2012	22.25		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.	
Parli Unit 3	210	25/06/2012	00.26		Continued.	MS2 volve 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	
Chandrapur Unit 3	210	27/06/2012	13.21	27/06/2012	17.46	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jun/2012

Position as on 6.30 Hrs of 28/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	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.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur - Mapusa - II	24/06/2012	17.12	27/06/2012	10.57	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
Padgha - Babaleshwar - II	27/06/2012	09.40	27/06/2012	20.25	Replacement of Insulator.
Karad-New Koyna II	27/06/2012	10.42		Continued.	Maintenance Work.
400/220KV 315MVA ICT- I @ Chandrapur	27/06/2012	15.15	27/06/2012	22.19	Testing Work.
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		Continued.	Shifting of Equipments.
Pedambe - Pophali - II	27/06/2012	06.20	27/06/2012	17.40	Replacement of Support Insulator.
Talandge - Sawantwadi	27/06/2012	08.54	27/06/2012	13.51	Red Hot.
Khaperkheda - Ambazari - II	27/06/2012	09.51	27/06/2012	12.34	Tighting of Nut Bolts of Y Ph. Jumpers @ Loc.No.40,
Lonand - Jejuri	27/06/2012	11.30	27/06/2012	14.46	Replacement of C T.
Miraj - Mhaisal	27/06/2012	11.45	27/06/2012	17.56	Insulator Replacement.
Kalwa-Trombay	27/06/2012	12.30	27/06/2012	16.15	Jumper Replacement.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Main Bus - I @ Karad	26/06/2012	02.12	27/06/2012	16.22	B Phase CVT heavy oil leakage
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.
Aurangabad-Deepnagar-II	21/06/2012	18.05		Continued.	Over Voltage.
Karad - Kolhapur - I	26/06/2012	01.43		Continued.	B Phase CVT heavy oil leakage(Taken on TBC)
Bhusawal- Aurangabad	26/06/2012	16.31	27/06/2012	07.55	Over Voltage.
400/220KV 500MVA ICT- I at Khaperkheda	26/06/2012	22.48		Continued.	Heavy Red Hot on Y Phase LV Side Breaker
Bhusawal- Aurangabad	27/06/2012	17.04		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
Parli-Lonikand -I	26/06/2012	22.55	27/06/2012	02.58	C Phase Line Reactor Burnt at Lonikand(The same is bypassed)

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jun/2012

Position as on 6.30 Hrs of 28/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - II	27/06/2012	05.27	27/06/2012	08.47	Over Voltage
Karad - Kolhapur - II	27/06/2012	14.50	27/06/2012	15.03	Without Indication, Tripped @ Karad Only.
Karad-Kolhapur-II	27/06/2012	15.08		Continued.	Over Voltage.
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 New - Khaparkheda Old - II	26/06/2012	20.43	27/06/2012	20.15	Bus Bar prot.operated
220/132 KV 200 MVA ICT-II @ Boiser	28/06/2012	03.57		Continued.	Internal Fault.
Voltage Level : 132KV			Outage Type TRIPPED		
Boiser - MIDC	27/06/2012	16.35	27/06/2012	16.46	Distance Protection.
Boiser - Viraj	27/06/2012	16.35	27/06/2012	17.47	Back up Protection.
Boiser - MIDC	28/06/2012	06.35	28/06/2012	06.56	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Jun/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	165
	620	310
Bhusawal		
Unit 2	210	140
Unit 3	210	160
Unit 4	500	
Unit 5	500	
	1420	300
Parli		
Unit 3	210	0
Unit 4	210	175
Unit 5	210	160
Unit 6	250	0
Unit 7	250	160
	1130	495
Chandrapur		
Unit 1	210	155
Unit 2	210	150
Unit 3	210	180
Unit 4	210	200
Unit 5	500	450
Unit 6	500	300
Unit 7	500	340
	2340	1775
Paras		
Unit 3	250	0
Unit 4	250	250
	500	250
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	192
Unit 4	210	192
Unit 5	210	192
	630	576
Uran		
All Units	852	280
	852	280
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
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	7
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
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	435
Other CPPs	0	
	1005	1535
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	4594
	3455	4594

	18400	7 of 7 14384
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