



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Jun/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Jun/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	104.633	2915.772	1) Gujrat	5.589	185.738
2) Hydro	12.586	372.955	2) Madhya Pradesh	15.590	467.490
3) Gas	7.093	335.690	3) Chattisgarh	11.840	291.270
Total MSGENCO	124.312	3624.417	4) Maharashtra	52.404	1397.534
B) OTHERS			5) Goa	-5.894	-169.121
1) JSW JAIGAD	29.274	796.635	6) TAPS 1&2 Injection	7.434	212.018
2) WPCL	9.645	271.240	7) RGPPL Injection	18.819	569.429
3) Other CPP / IPP	6.205	194.702	8) Pench (Excess)	-0.085	-3.233
4) Wind Generation	16.747	596.602	# Total Cent. Sector	105.697	2951.125
5) PENCH (MS)	0.085	3.233	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.635	-369.592
1) TPCL Thermal	29.964	787.000	G) Bilateral Power *		
2) TPCL Hydro	4.933	150.796	1) MSEDCL Bilateral	31.412	823.294
TOTAL TPCL	34.897	937.796	Include PX	0.000	6.184
3) REL Thermal	12.578	340.321	2) MUMBAI Bilateral	15.174	430.682
D) STATE			Include PX	1.104	42.112
1) Thermal (A1+C1+C3)	147.175	4043.093	3) MUMBAI Schedule	15.174	436.871
2) Hydro (A2+B5+C2)	17.604	526.984	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.093	335.690	1) MSEDCL	282.330	8068.362
4) Wind (B4)	16.747	596.602	2) TPCL	38.393	1095.621
5) CPP (B1+B2+B3)	45.124	1262.577	3) REL	18.714	551.904
TOTAL STATE	233.743	6764.946	TOTAL STATE	339.437	9715.887

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4244	4319	4335
MSGENCO Hydro	1058	309	134
MSGENCO Gas	289	283	302
MSGENCO Total Generation	5591	4911	4771
Central Sector Receipt	4912	4472	4217
WIND	547	977	760
CPP / IPP	1861	1861	1910
Exchange with Mumbai	-396	-432	-236
MSEDCL DEMAND MET	12515	11789	11422
Load Shedding	624	682	266
MSEDCL DEMAND	13139	12471	11688
TPCL GENERATION	1754	1799	1099
R-INFRA GENERATION	523	523	524
TPCL+R-INFRA DEMAND	2673	2754	1859
STATE DEMAND MET	15188	14543	13281
STATE DEMAND	15812	15225	13547
Frequency (Hz)	49.71	49.55	49.83

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.13 Hz at 06.04 Hrs	48.96 Hz at 23.30 Hrs	49.61	1.88 % 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 28/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	3.32	89.91	153	111	145
Unit 7	3.78	74.41	180	135	165
Total	7.10	234.49			310
Bhusawal					
Unit 2	3.67	100.64	165	140	140
Unit 3	3.99	113.22	175	107	160
Unit 4	0.00	18.53	0	0	
Unit 5	0.00	0.00	0	0	
Total	7.66	232.39			300
Parli					
Unit 3	0.72	92.67	117	0	0
Unit 4	3.29	21.53	172	115	175
Unit 5	3.78	99.38	175	123	160
Unit 6	0.00	96.82	0	0	0
Unit 7	3.85	84.13	183	146	160
Total	11.64	394.54			495
Chandrapur					
Unit 1	3.61	102.38	156	142	155
Unit 2	3.78	83.61	172	145	150
Unit 3	4.29	112.23	183	172	180
Unit 4	4.70	122.78	202	188	200
Unit 5	10.27	224.79	470	340	450
Unit 6	8.65	261.76	452	285	300
Unit 7	9.50	238.16	445	326	340
Total	44.80	1145.71			1775
Paras					
Unit 3	0.00	69.04	0	0	0
Unit 4	6.00	13.96	258	237	250
Total	6.00	83.01			250
Khaparkheda					
Unit 1	4.68	92.86	210	160	210
Unit 2	0.00	0.72	0	0	0
Unit 3	4.72	132.89	220	130	210
Unit 4	4.86	134.77	216	185	210
Unit 5	0.00	108.92	0	0	0
Total	14.26	470.17			630
Nasik					
Unit 3	4.81	129.32	220	160	192
Unit 4	4.08	113.38	197	133	192
Unit 5	4.28	112.77	193	163	192
Total	13.17	355.47			576
Uran					
All Units	7.09	335.69	305	280	280
Total	7.09	335.69			280
PENCH (MS)					
Pench (MS)	0.08	3.23	23	0	
Total	0.08	3.23			
Koyna					
Stage 1-2	6.24	122.24	485	40	600
Stage 4	1.95	119.43	388	0	250
Stage 3	1.83	57.22	240	0	240
Kovna 12&4 Total	8.19	241.67			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	10.02	298.89			1090
Hydro					
KDPH	0.32	9.59	14	13	14
VTRNA	0.87	20.84	61	0	61
TILLARI	0.11	0.22	60	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.41	9.09	82	0	80
RNGR+BHTSA	0.26	6.12	11	11	7
BHANDARDRA	0.00	2.29	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.12	6.80	9	3	10
GHATGHAR	0.47	19.11	125	0	0
Total	2.57	74.06			172
Wind					
MalharPeth	0.77	22.99			
Vankuswadi	0.95	35.45			
ATIT	0.48	9.33			
Kale	0.42	12.93			
Satara	1.48	58.44			
Shirala	0.44	15.34			
K Mahankal	1.12	37.60			
Supa	0.08	8.63			
Vita	2.34	75.40			
Dondaicha	6.32	218.66			
Sakri	0.78	28.38			
Nandurbar	0.58	22.24			
Khandke	0.41	28.23			
Khaparale	0.58	22.98			
Total	16.75	596.60			
CPP					
JSW JAIGAD	29.27	796.64	1226	1196	1100
WARDHA	9.64	271.24	440	386	435
Other CPPs	6.20	194.70			
Total	45.12	1262.58			1535
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.01	313.24	505	491	500
Trombay 6	8.61	185.10	503	158	500
Trombay 7A	2.95	79.98	125	121	120
Trombay 7B	1.58	44.33	67	65	60
Trombay 8	4.81	164.34	245	156	250
TATA Hydro	4.93	150.80	448	0	447
Total	34.90	937.80			1877
REL					
1&2	12.58	340.32	526	523	500
Total	12.58	340.32			500
Cent Sect					
Share					4594
Total					4594

MS PG CL	Thermal	104.63	2915.77			4336
	Thml+Gas	111.73	3251.46			4616
	Hydro	12.59	372.96			1262
	Total	124.31	3624.42			5878
State Total		233.74	6764.95			14384

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/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	4264	762	299	5325	888	1923	4276	4230	-729	-566	11813	151	11964	2281	14245	49.66
2	4249	509	301	5059	921	1938	4104	4147	-554	-413	11652	234	11886	2079	13965	49.73
3	4338	312	302	4952	857	1881	4041	4002	-491	-313	11379	250	11629	1958	13587	49.71
4	4335	134	302	4771	760	1910	4000	4217	-448	-236	11422	266	11688	1859	13547	49.83
5	4250	107	302	4659	600	1933	3983	4541	-426	-200	11533	285	11818	1819	13637	49.70
6	4258	477	303	5038	414	1931	3990	4576	-412	-224	11735	382	12117	1846	13963	49.60
7	4344	209	303	4856	305	1878	4256	4979	-500	-260	11758	767	12525	1906	14431	49.67
8	4390	543	303	5236	378	1862	4311	4639	-554	-300	11815	813	12628	1995	14623	49.67
9	4359	756	304	5419	434	1869	4315	4502	-554	-401	11823	912	12735	2220	14955	49.66
10	4276	1085	297	5658	485	1869	4474	4869	-600	-399	12482	649	13131	2519	15650	49.70
11	4244	1058	289	5591	547	1861	4688	4912	-676	-396	12515	624	13139	2673	15812	49.71
12	4277	803	289	5369	625	1876	4756	4920	-727	-418	12372	723	13095	2715	15810	49.66
13	4385	453	284	5122	767	1863	4830	4643	-724	-483	11912	809	12721	2738	15459	49.62
14	4433	129	280	4842	736	1870	4881	4535	-729	-448	11535	735	12270	2697	14967	49.53
15	4469	361	280	5110	903	1870	4628	4676	-741	-490	12069	566	12635	2749	15384	49.53
16	4378	529	282	5189	895	1868	4601	4363	-760	-455	11860	596	12456	2762	15218	49.56
17	4319	309	283	4911	977	1861	4556	4472	-712	-432	11789	682	12471	2754	15225	49.55
18	4355	226	293	4874	953	1870	4339	3956	-687	-538	11115	702	11817	2712	14529	49.68
19	4443	151	305	4899	743	1850	4290	4001	-647	-588	10905	512	11417	2633	14050	49.65
20	4494	761	299	5554	801	1864	4299	4037	-640	-486	11783	604	12387	2661	15048	49.54
21	4440	1089	300	5829	822	1863	4446	3707	-656	-365	11879	585	12464	2559	15023	49.51
22	4459	422	298	5179	692	1870	4586	4212	-685	-354	11622	521	12143	2431	14574	49.45
23	4434	683	298	5415	609	1870	4503	4379	-744	-441	11845	266	12111	2338	14449	49.53
24	4440	718	297	5455	635	1874	4429	4182	-777	-429	11717	181	11898	2206	14104	49.29
MUs	104.63	12.59	7.09	124.31	16.75	45.12	105.58	105.70	-15.17	-9.64	282.33	12.82	295.14	57.11	352.26	49.61

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 28/Jun/2012

Position as on 6.30 Hrs of 29/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	28/06/2012	13.45	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	28/06/2012	11.27	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	
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.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Jun/2012

Position as on 6.30 Hrs of 29/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur-Borivali	28/06/2012	09.38	28/06/2012	17.35	For Attending Hot Clamp on B Ph. Jumper @ Take off Tower.
Nasik-Navsari-I	28/06/2012	10.51	28/06/2012	16.37	Replacement of Damage Conductor @ Loc.No. 158,159.
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
Karad-New Koyna II	27/06/2012	10.42	28/06/2012	08.37	Maintenance 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.
Bhosari - Chakan	28/06/2012	08.11	28/06/2012	13.07	Replacement of Damage Conductor.
Interconnector - II @ Dhule	28/06/2012	09.58	28/06/2012	13.42	Jumpering Work.
Pusad-Nanded	28/06/2012	10.03	28/06/2012	15.54	Attending Red Hot on Y & B Ph. @ Loc.44.
Miraj - Mhaisal	28/06/2012	10.07	28/06/2012	19.30	Repl.of Faulty String Insu.@ all Cut Points.
Phursungi - Theur	28/06/2012	11.22	28/06/2012	18.16	Half Yearly Maint.Work.
Wardha - Yawatmal	28/06/2012	11.42	28/06/2012	15.48	Auxiliary Isolator Maintenance Work.
220/132KV 100 MVA ICT-II at Dondaicha	28/06/2012	11.58	28/06/2012	14.55	Measurment of Tan Delta of ICT Bushing.
Lonikand-Bhosari	28/06/2012	13.16	28/06/2012	17.29	R.M.Work,C T Tan Delta.
220/132 KV 200 MVA ICT - I @ Nanded	28/06/2012	14.33	28/06/2012	16.50	Auxiliary C T Testing Work.
220/132 KV 200 MVA ICT - II @ Nanded	28/06/2012	16.53	28/06/2012	19.06	Testing Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Waghala- Jangamwadi	28/06/2012	10.41	28/06/2012	16.19	Auxiliary C T Testing Work.
Chinchwad-Rahatri	28/06/2012	11.07	28/06/2012	13.32	Attending Hot Spot of Y & B Ph. C B.
Parbhani-Jintur	28/06/2012	11.38	28/06/2012	16.39	Measurment of Tan Delta of C T.
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	28/06/2012	11.02	Over Voltage.
Karad - Kolhapur - I	26/06/2012	01.43		Continued.	B Phase CVT heavy oil leakage(Taken on TBC)
400/220KV 500MVA ICT- I at Khaperkheda	26/06/2012	22.48	28/06/2012	19.48	Heavy Red Hot on Y Phase LV Side Breaker

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Jun/2012

Position as on 6.30 Hrs of 29/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
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		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
Karad-Kolhapur-II	27/06/2012	15.08	28/06/2012	09.15	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
220/132 KV 200 MVA ICT-II @ Boiser	28/06/2012	03.57		Continued.	Internal Fault.
220/22 KV, 50 MVA T/F-II at Colourchem	28/06/2012	14.53	28/06/2012	23.10	Distance Protection.
220/100 KV 100 MVA ICT - I @ Vasai	28/06/2012	15.43	28/06/2012	17.14	PRV Operated.
Voltage Level : 132KV			Outage Type TRIPPED		
Boiser - MIDC	28/06/2012	06.35	28/06/2012	06.56	Distance Protection.
Main Bus @ Nanded	28/06/2012	18.16	28/06/2012	18.35	Bus Bar Protection Operated Fault @ 33 KV Vidyut Bhavan Feeder.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Jun/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	152
	620	292
Bhusawal		
Unit 2	210	0
Unit 3	210	170
Unit 4	500	
Unit 5	500	
	1420	170
Parli		
Unit 3	210	147
Unit 4	210	145
Unit 5	210	169
Unit 6	250	0
Unit 7	250	146
	1130	607
Chandrapur		
Unit 1	210	155
Unit 2	210	165
Unit 3	210	185
Unit 4	210	190
Unit 5	500	400
Unit 6	500	460
Unit 7	500	425
	2340	1980
Paras		
Unit 3	250	0
Unit 4	250	250
	500	250
Khaparkheda		
Unit 1	210	180
Unit 2	210	0
Unit 3	210	120
Unit 4	210	210
Unit 5	500	0
	1340	510
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	172
	630	556
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	11
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	4
GHATGHAR	250	0
	611	170
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	4306
	3455	4306

	18400	7 of 7 14058
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