



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Jun/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Jun/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	107.232	1650.824	1) Gujrat	5.792	103.633
2) Hydro	11.334	243.271	2) Madhya Pradesh	13.587	277.696
3) Gas	14.791	189.235	3) Chattisgarh	8.760	146.520
Total MSGENCO	133.357	2083.330	4) Maharashtra	37.987	748.975
B) OTHERS			5) Goa	-5.629	-95.668
1) JSW JAIGAD	29.170	428.550	6) TAPS 1&2 Injection	7.557	114.208
2) WPCL	10.649	151.700	7) RGPPL Injection	25.329	316.655
3) Other CPP / IPP	10.277	113.364	8) Pench (Excess)	-0.146	-2.262
4) Wind Generation	14.906	253.850	# Total Cent. Sector	93.237	1609.757
5) PENCH (MS)	0.146	2.262	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.274	-196.512
1) TPCL Thermal	31.084	419.246	G) Bilateral Power *		
2) TPCL Hydro	5.957	82.876	1) MSEDCL Bilateral	26.888	453.958
TOTAL TPCL	37.041	502.122	Include PX	0.000	3.249
3) REL Thermal	12.550	188.224	2) MUMBAI Bilateral	14.658	238.379
D) STATE			Include PX	0.000	21.451
1) Thermal (A1+C1+C3)	150.866	2258.294	3) MUMBAI Schedule	14.658	238.379
2) Hydro (A2+B5+C2)	17.437	328.409	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.791	189.235	1) MSEDCL	279.468	4446.301
4) Wind (B4)	14.906	253.850	2) TPCL	41.316	587.072
5) CPP (B1+B2+B3)	50.096	693.614	3) REL	20.560	299.782
TOTAL STATE	248.096	3723.402	TOTAL STATE	341.344	5333.155

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4380	4416	4568
MSGENCO Hydro	801	161	446
MSGENCO Gas	620	630	635
MSGENCO Total Generation	5801	5207	5649
Central Sector Receipt	4453	3668	3711
WIND	531	1197	224
CPP / IPP	2071	2037	2108
Exchange with Mumbai	-580	-618	-268
MSEDCL DEMAND MET	12276	11491	11424
Load Shedding	622	551	312
MSEDCL DEMAND	12898	12042	11736
TPCL GENERATION	1919	1912	1115
R-INFRA GENERATION	525	522	522
TPCL+R-INFRA DEMAND	3024	3052	1905
STATE DEMAND MET	15300	14543	13329
STATE DEMAND	15922	15094	13641
Frequency (Hz)	49.64	49.88	49.68

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.39 Hz at 06.04 Hrs	49.03 Hz at 23.34 Hrs	49.72	1.09 % 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 15/Jun/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.82	41.17	134	104	125
Unit 6	2.82	47.44	154	90	115
Unit 7	3.50	50.72	175	125	140
Total	9.14	139.32			380
Bhusawal					
Unit 2	3.78	52.06	165	150	160
Unit 3	4.13	60.86	180	160	180
Unit 4	0.00	18.53	0	0	
Unit 5	0.00	0.00	0	0	
Total	7.91	131.46			340
Parli					
Unit 3	4.44	60.41	195	169	190
Unit 4	0.00	2.58	0	0	0
Unit 5	3.90	56.89	180	143	155
Unit 6	4.38	67.74	210	159	200
Unit 7	0.00	41.79	0	0	0
Total	12.72	229.41			545
Chandrapur					
Unit 1	3.68	56.84	162	146	155
Unit 2	3.77	44.35	170	134	160
Unit 3	4.41	60.34	188	175	185
Unit 4	4.66	67.67	199	189	200
Unit 5	8.14	113.37	410	245	400
Unit 6	9.23	150.72	425	335	425
Unit 7	9.82	123.49	441	352	425
Total	43.72	616.79			1950
Paras					
Unit 3	0.00	69.04	0	0	0
Unit 4	0.00	0.00	0	0	0
Total	0.00	69.04			0
Khaparkheda					
Unit 1	4.56	48.52	205	175	210
Unit 2	0.00	0.72	0	0	0
Unit 3	5.02	73.35	220	190	210
Unit 4	4.62	73.85	207	175	210
Unit 5	5.83	77.94	268	200	250
Total	20.03	274.39			880
Nasik					
Unit 3	5.14	64.54	220	210	210
Unit 4	4.13	69.93	192	137	210
Unit 5	4.46	55.94	201	177	190
Total	13.72	190.41			610
Uran					
All Units	14.79	189.24	647	460	640
Total	14.79	189.24			640
PENCH (MS)					
Pench (MS)	0.15	2.26	24	0	
Total	0.15	2.26			
Koyna					
Stage 1-2	3.20	75.98	410	40	600
Stage 4	4.39	94.34	560	0	250
Stage 3	1.22	37.94	160	0	320
Kovna 12&4 Total	7.59	170.32			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	8.81	208.25			1170
Hydro					
KDPH	0.35	4.51	30	0	0
VTRNA	1.07	8.41	61	0	60
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.00	0.00	0	0	12
BHIRA T.R.	0.40	4.61	80	0	80
RNGR+BHTSA	0.26	3.24	11	11	20
BHANDARDRA	0.29	1.67	13	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.16	3.57	14	4	0
GHATGHAR	0.00	9.01	0	0	0
Total	2.52	35.02			172
Wind					
MalharPeth	0.75	8.63			
Vankuswadi	0.93	13.63			
ATIT	0.43	3.08			
Kale	0.34	4.84			
Satara	1.26	20.86			
Shirala	0.52	6.55			
K Mahankal	0.94	19.68			
Supa	0.36	3.48			
Vita	2.32	31.31			
Dondaicha	4.71	99.05			
Sakri	0.58	13.01			
Nandurbar	0.63	10.28			
Khandke	0.59	9.70			
Khaparale	0.53	9.75			
Total	14.91	253.85			
CPP					
JSW JAIGAD	29.17	428.55	1230	1190	1100
WARDHA	10.65	151.70	465	353	464
Other CPPs	10.28	113.36			
Total	50.10	693.61			1564
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.96	161.46	504	440	500
Trombay 6	8.60	100.59	504	157	500
Trombay 7A	2.90	43.15	123	111	120
Trombay 7B	1.60	23.90	67	64	60
Trombay 8	6.02	90.14	253	249	250
TATA Hydro	5.96	82.88	471	18	447
Total	37.04	502.12			1877
REL					
1&2	12.55	188.22	525	521	500
Total	12.55	188.22			500
Cent Sect					
Share					4535
Total					4535

MS PG CL	Thermal	107.23	1650.82			4705
	Thml+Gas	122.02	1840.06			5345
	Hydro	11.33	243.27			1342
	Total	133.36	2083.33			6687
State Total		248.10	3723.40			15163

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	4463	1046	512	6021	568	2101	4174	3873	-581	-617	11970	227	12197	2388	14585	49.53
2	4451	948	460	5859	447	2130	4103	3713	-581	-510	11663	280	11943	2174	14117	49.64
3	4502	738	614	5854	294	2112	4063	3740	-581	-409	11597	295	11892	2045	13937	49.72
4	4517	447	627	5591	253	2100	4090	3896	-581	-319	11521	302	11823	1958	13781	49.75
5	4568	446	635	5649	224	2108	4114	3711	-581	-268	11424	312	11736	1905	13641	49.68
6	4650	452	645	5747	256	2108	4190	3944	-581	-284	11771	409	12180	1951	14131	49.70
7	4611	117	647	5375	286	2112	4244	4097	-581	-315	11555	851	12406	1972	14378	49.99
8	4550	134	639	5323	363	2111	4265	4024	-581	-346	11475	898	12373	2093	14466	49.89
9	4434	149	634	5217	614	2090	4336	3979	-581	-426	11474	938	12412	2388	14800	49.91
10	4413	168	626	5207	609	2085	4430	4316	-618	-457	11760	671	12431	2771	15202	49.85
11	4380	801	620	5801	531	2071	4399	4453	-665	-580	12276	622	12898	3024	15922	49.64
12	4424	672	616	5712	539	2035	4588	4466	-665	-632	12120	708	12828	3075	15903	49.68
13	4470	621	633	5724	462	2002	4549	4411	-665	-631	11968	792	12760	3071	15831	49.74
14	4401	602	617	5620	495	2082	4443	4215	-645	-569	11843	707	12550	3007	15557	49.65
15	4372	441	612	5425	535	2109	4450	4349	-665	-622	11796	604	12400	3057	15457	49.66
16	4374	234	626	5234	645	2111	4492	4364	-665	-647	11707	614	12321	3070	15391	49.73
17	4416	161	630	5207	1197	2037	4501	3668	-665	-618	11491	551	12042	3052	15094	49.88
18	4403	163	635	5201	1176	2038	4401	3092	-618	-650	10857	384	11241	2965	14206	50.10
19	4355	176	632	5163	1159	2061	4392	2861	-618	-553	10691	282	10973	2803	13776	49.90
20	4420	255	635	5310	1001	2093	4373	3728	-618	-494	11638	355	11993	2799	14792	49.53
21	4525	247	622	5394	992	2093	3937	3801	-581	-507	11797	461	12258	2720	14978	49.62
22	4513	220	625	5358	777	2109	3894	3617	-581	-601	11283	446	11729	2619	14348	49.57
23	4583	1020	622	6225	758	2110	3914	3457	-581	-583	11991	248	12239	2521	14760	49.54
24	4437	1076	627	6140	725	2088	3853	3462	-581	-636	11800	195	11995	2437	14432	49.47
MUs	107.23	11.33	14.79	133.36	14.91	50.10	102.20	93.24	-14.66	-12.27	279.47	12.15	291.62	61.86	353.48	49.72

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 15/Jun/2012

Position as on 6.30 Hrs of 16/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.	16/06/2012
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.	05/07/2012
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	
Parli Unit 4	210	02/06/2012	00.30		Continued.	ID Fan problem.	16/06/2012
Bhusawal Unit 4	500	06/06/2012	06.27		Continued.	Vibration Problem	
Dabhol 2B	230	08/06/2012	11.21		Continued.	W/Dn.	
Dabhol 3A	230	10/06/2012	12.48		Continued.	Gas Shortage	
Parli Unit 7	250	11/06/2012	18.30		Continued.	CHP problem	16/06/2012
Cent_Sect Sipat U-2	660	13/06/2012	02.38	15/06/2012	01.18	Boiler Tube Leakage	
Paras Unit 3	250	13/06/2012	17.05		Continued.	Structure collapse near ESP.	
Cent_Sect NTPC(V) 9	500	14/06/2012	02.56	15/06/2012	00.11	Boiler Tube Leakage.	
CPP WPCL U-3	135	15/06/2012	11.34	15/06/2012	13.05	Furnace Pressure high.	
Cent_Sect Sipat U-1	660	15/06/2012	18.53		Continued.	Bus Bar Operated.	
Cent_Sect Sipat U-2	660	15/06/2012	18.53		Continued.	Bus Bar Operated.	
Cent_Sect Sipat-4	500	15/06/2012	19.10	16/06/2012	03.40	Bus Bar Operated.	
Cent_Sect sipat-5	500	15/06/2012	19.30		Continued.	Bus Bar Operated.	
CPP WPCL U-2	135	15/06/2012	23.47	16/06/2012	02.45	Generator protection operated.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jun/2012

Position as on 6.30 Hrs of 16/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	11/06/2012	12.04		Continued.	Over Voltage
Kolhapur - Mapusa - I	13/06/2012	16.14	15/06/2012	09.01	Over Voltage.
Dhule-Sar'Sarovar - II	14/06/2012	09.23		Continued.	Over Voltage.
Kolhapur - Mapusa - I	15/06/2012	16.39		Continued.	Over Voltage.
Wardha - Seoni - I	15/06/2012	19.03		Continued.	To Control Wardha-Deoli line loading.
Parly(PG) - Wardha (PG) - I	15/06/2012	21.05		Continued.	To Control Wardha-Deoli line loading.
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)
Padgha - Kharghar	15/06/2012	06.28	15/06/2012	10.24	Attending hot spot.
Koradi -Bhusawal	15/06/2012	08.07	15/06/2012	16.54	Replacement of insulator string.
400/220KV 315 MVA ICT-I @ Padgha	15/06/2012	08.19	15/06/2012	19.36	Pre monsoon maintenance and hot spot.
400/220 KV 315 MVA ICT-II @ Nagothane.	15/06/2012	09.24	15/06/2012	16.19	Fixing of fire detector on ICT tank.
400/132 KV 200 MVA ICT - II @ Bhusawal	15/06/2012	09.29	15/06/2012	20.05	Maintenance of isolator and breaker.
New Koyna - StageIV - I	15/06/2012	10.24		Continued.	Taken on TBC,Hot Spot attending.
Main Bus - I @ Kolhapur	15/06/2012	11.39		Continued.	Balance bay conductor jumpering work of Solapur I and II.
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.
220/132KV, 200MVA ICT-1@Boiser	14/06/2012	11.10		Continued.	Taken on TBC for BKR overhauling work.
220/100KV 200MVA ICT-III at Kalwa	14/06/2012	12.21		Continued.	For attending oil leakage.
Apta-Taloja	15/06/2012	07.57	15/06/2012	15.56	LA replacement.
Karad-Pophali	15/06/2012	08.10		Continued.	Making cut point for 220KV panama line.
220/132KV 200MVA ICT-I at Malegaon	15/06/2012	10.06	15/06/2012	14.22	Testing work.
Dhule - Malegaon	15/06/2012	12.42	15/06/2012	17.44	Faulty string replacement.
Uran-Kharghar-I	15/06/2012	12.58	15/06/2012	15.20	Taken on TBC,Hot Spot attending.
Kalwa - Borivali	15/06/2012	15.20	15/06/2012	16.41	Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Waluj II	12/06/2012	16.00		Continued.	Over Voltage
Bhusawal- Aurangabad	14/06/2012	17.41	15/06/2012	10.07	Over Voltage.
Bhusawal- Aurangabad	15/06/2012	16.30		Continued.	Over Voltage.
Karad-Kolhapur-II	15/06/2012	17.07		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 MVA ICT - II @ Parli	14/06/2012	21.00	15/06/2012	04.42	NDR Relay operated.
400/220KV,500 MVA ICT-	15/06/2012	05.33	15/06/2012	09.07	Monkey fault.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jun/2012

Position as on 6.30 Hrs of 16/Jun/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
III At A'bad.					
400/220 KV 315 MVA ICT-II @ Chakan	15/06/2012	18.21	15/06/2012	19.57	Diff.Protection.
400/220 KV 315 MVA ICT @ Akola	15/06/2012	18.23	15/06/2012	19.56	NDR.
Karad - Lonikand	15/06/2012	22.17	15/06/2012	22.35	Trip at Karad end without indication.
Voltage Level : 220KV			Outage Type TRIPPED		
220/6.6 KV 40 MVA Station T/F- I @ Kaparkheda	13/06/2012	12.40		Continued.	Bus Duct P.M work & Oil filtration work. (8 days).
Chandrapur-Wani	15/06/2012	19.07	15/06/2012	20.40	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Jun/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	150
Unit 7	210	170
	620	450
Bhusawal		
Unit 2	210	160
Unit 3	210	180
Unit 4	500	0
Unit 5	500	0
	1420	340
Parli		
Unit 3	210	150
Unit 4	210	0
Unit 5	210	170
Unit 6	250	155
Unit 7	250	0
	1130	475
Chandrapur		
Unit 1	210	160
Unit 2	210	140
Unit 3	210	160
Unit 4	210	150
Unit 5	500	425
Unit 6	500	400
Unit 7	500	400
	2340	1835
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	250
	1340	880
Nasik		
Unit 3	210	210
Unit 4	210	160
Unit 5	210	200
	630	570
Uran		
All Units	852	640
	852	640
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	30
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	10
ELDARY	23	0
SMLHY PTN	12	12
GHATGHAR	250	0
	611	202
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	465
Other CPPs	0	
	1005	1565
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	3704
	3455	3704