



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Jun/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Jun/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	76.847	2494.425	1) Gujrat	6.093	219.162
2) Hydro	5.308	196.227	2) Madhya Pradesh	20.086	529.045
3) Gas	11.537	293.852	3) Chattisgarh	9.280	280.000
Total MSGENCO	93.692	2984.504	4) Maharashtra	58.893	1827.054
B) 1) JSW JAIGAD	12.473	646.800	5) Goa	-4.441	-161.475
2) WPCL	7.655	235.075	6) TAPS 1&2 Injection	3.696	108.197
3) ADANI	23.760	678.430	7) RGPPL Injection	6.000	109.793
4) Other CPP / IPP	10.430	285.309	8) Pench (Excess)	-0.107	-6.895
5) Wind Generation	26.559	630.300	# Total Cent. Sector	99.500	2904.881
6) PENCH (MS)	0.107	6.895	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-15.304	-507.222
1) TPCL Thermal	20.958	664.051	G) Bilateral Power *		
2) TPCL Hydro	1.047	145.590	1) MSEDCL Bilateral	37.548	1065.805
TOTAL TPCL	22.005	809.641	Include PX	-0.134	-40.232
3) REL Thermal	9.930	338.262	2) MUMBAI Bilateral	12.076	430.901
D) STATE			Include PX	-0.009	36.198
1) Thermal (A1+C1+C3)	107.735	3496.738	3) MUMBAI Schedule	12.076	431.751
2) Hydro (A2+B5+C2)	6.462	348.712	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.537	293.852	1) MSEDCL	258.872	7864.972
4) Wind (B4)	26.559	630.300	2) TPCL	30.680	1084.243
5) CPP (B1+B2+B3)	54.318	1190.944	3) REL	16.559	570.784
TOTAL STATE	206.611	5960.546	TOTAL STATE	306.111	9519.999

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	3128	3453	3062
MSGENCO Hydro	501	515	46
MSGENCO Gas	484	441	525
MSGENCO Total Generation	4113	4409	3633
Central Sector Receipt	4269	3889	3867
WIND	1238	1046	1050
CPP / IPP	2433	2497	2096
Exchange with Mumbai	-846	-560	-452
MSEDCL DEMAND MET	11207	11301	10194
Load Shedding	121	255	57
MSEDCL DEMAND	11328	11556	10251
TPCL GENERATION	911	1172	849
R-INFRA GENERATION	393	518	390
TPCL+R-INFRA DEMAND	2150	2250	1691
STATE DEMAND MET	13357	13551	11885
STATE DEMAND	13478	13806	11942
Frequency (Hz)	50.08	49.87	50.40

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.61 Hz at 03.45 Hrs	49.58 Hz at 20.06 Hrs	50.12	0 % 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/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	18.49	0	0	0
Unit 6	2.39	66.19	140	78	95
Unit 7	0.00	61.14	2	0	0
Total	2.39	145.82			95
Bhusawal					
Unit 2	3.06	47.22	150	105	140
Unit 3	3.62	83.44	165	130	140
Unit 4	4.69	86.74	225	170	215
Unit 5	6.07	111.35	290	210	0
Total	17.44	328.75			495
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	0.00	0.00			0
Chandrapur					
Unit 1	3.57	96.31	158	143	160
Unit 2	3.70	99.88	163	148	160
Unit 3	4.05	109.88	194	152	150
Unit 4	0.00	48.49	0	0	0
Unit 5	6.02	190.82	265	220	250
Unit 6	1.81	191.27	185	0	0
Unit 7	5.29	212.09	245	195	250
Total	24.43	948.74			970
Paras					
Unit 3	3.51	140.04	158	130	200
Unit 4	3.51	133.31	180	116	200
Total	7.01	273.35			400
Khaparkheda					
Unit 1	2.37	79.42	110	80	130
Unit 2	2.50	97.62	145	60	130
Unit 3	0.00	98.29	0	0	0
Unit 4	2.22	7.59	167	0	0
Unit 5	6.00	163.98	280	224	250
Total	13.10	446.90			510
Nasik					
Unit 3	4.20	123.37	185	170	195
Unit 4	4.09	115.45	175	160	180
Unit 5	4.18	112.04	191	164	195
Total	12.47	350.87			570
Uran					
All Units	11.54	293.85	529	430	390
Total	11.54	293.85			390
PENCH (MS)					
Pench (MS)	0.11	6.90	23	0	
Total	0.11	6.90			
Koyna					
Stage 1-2	2.04	60.28	340	40	600
Stage 4	0.00	23.06	0	0	250
Stage 3	0.91	32.44	160	0	240
Kovna 12&4 Total	2.04	83.34			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.95	115.78			1090
Hydro					
KDPH	0.00	1.63	0	0	0
VTRNA	0.00	14.99	0	0	0
TILLARI	0.24	5.82	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.42	11.44	82	0	57
RNGR+BHTSA	0.00	2.89	0	0	0
BHANDARDRA	0.00	3.42	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.16	5.02	7	6	0
GHATGHAR	1.54	35.25	240	0	0
Total	2.36	80.44			117
Wind					
MalharPeth	1.30	25.43			
Vankuswadi	1.39	45.65			
ATIT	0.32	6.52			
Kale	0.23	16.86			
Satara	9.73	191.78			
Shirala	0.66	15.42			
K Mahankal	0.10	3.07			
Supa	0.36	7.77			
Vita	3.40	87.40			
Dondaicha	5.26	143.27			
Sakri	1.00	20.90			
Nandurbar	0.41	13.40			
Khandke	1.65	31.23			
Khaparale	0.75	21.60			
Total	26.56	630.30			
CPP					
JSW JAIGAD	12.47	646.80	542	503	510
WARDHA	7.66	235.08	322	311	319
Adani	23.76	678.43	1220	840	1234
Other CPPs	10.43	285.31			286
Total	54.32	1845.61			2349
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.15	243.64	500	315	500
Trombay 6	3.55	128.11	149	147	500
Trombay 7A	2.86	86.19	126	108	120
Trombay 7B	1.60	48.09	68	63	60
Trombay 8	4.80	158.02	251	187	250
TATA Hydro	1.05	145.59	262	0	447
Total	22.00	809.64			1877
REL					
1&2	9.93	338.26	519	389	500
Total	9.93	338.26			500
Cent Sect					
Share					4369
Total					4369

MS PG CL	Thermal	76.85	2494.42			3040
	Thml+Gas	88.38	2788.28			3430
	Hydro	5.31	196.23			1207
	Total	93.69	2984.50			4637
State Total		206.61	5960.55			13732

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/Jun/2013

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	3053	46	525	3624	1173	2402	3835	3797	-545	-584	10412	86	10498	1952	12450	50.24
2	3072	46	525	3643	1108	2250	3835	4022	-516	-528	10495	57	10552	1780	12332	50.42
3	3062	46	525	3633	1050	2096	3526	3867	-505	-452	10194	57	10251	1691	11942	50.40
4	3108	46	522	3676	1172	2092	3469	3813	-483	-389	10364	57	10421	1630	12051	50.50
5	3113	46	523	3682	1100	2086	3446	3942	-460	-388	10422	61	10483	1628	12111	50.30
6	2953	126	526	3605	1037	2075	3598	4540	-462	-441	10816	94	10910	1678	12588	50.09
7	2950	102	529	3581	976	2114	4071	4750	-470	-443	10978	136	11114	1680	12794	50.18
8	3038	57	523	3618	929	2150	4106	4941	-505	-483	11155	180	11335	1719	13054	50.18
9	2989	70	517	3576	1068	2194	4219	4929	-505	-580	11187	189	11376	1818	13194	50.09
10	2972	278	511	3761	1139	2011	4275	4892	-411	-699	11104	155	11259	1970	13229	50.02
11	3055	587	502	4144	1179	2222	4371	4503	-411	-795	11253	107	11360	2110	13470	50.14
12	3128	501	484	4113	1238	2433	4369	4269	-420	-846	11207	121	11328	2150	13478	50.08
13	3183	157	471	3811	1110	2523	4238	4183	-487	-877	10750	231	10981	2148	13129	50.13
14	3262	57	430	3749	1158	2333	4155	4014	-505	-827	10427	169	10596	2090	12686	50.11
15	3272	72	433	3777	1256	2175	4214	4258	-505	-794	10672	171	10843	2039	12882	49.90
16	3232	52	436	3720	1300	2249	4258	4361	-482	-774	10856	121	10977	2000	12977	50.11
17	3278	47	443	3768	1257	2182	4023	4178	-477	-759	10626	111	10737	1984	12721	50.12
18	3363	65	443	3871	1158	2202	3560	3746	-505	-777	10200	89	10289	1995	12284	50.07
19	3361	218	446	4025	1150	2179	3605	3851	-505	-739	10477	82	10559	2047	12606	50.07
20	3392	601	443	4436	1015	2332	4203	3968	-552	-667	11107	192	11299	2162	13461	49.93
21	3453	515	441	4409	1046	2497	4232	3889	-582	-560	11301	255	11556	2250	13806	49.87
22	3540	647	440	4627	1048	2515	3889	3566	-601	-549	11227	174	11401	2245	13646	49.92
23	3552	645	449	4646	914	2538	3830	3474	-607	-610	10985	122	11107	2239	13346	49.95
24	3467	281	450	4198	978	2468	3802	3748	-574	-743	10659	105	10764	2234	12998	50.02
MUs	76.85	5.31	11.54	93.69	26.56	54.32	95.13	99.50	-12.08	-15.30	258.87	3.12	262.00	47.24	309.24	50.12

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/2013

Position as on 6.30 Hrs of 01/Jul/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Cent_Sect Tarapur 2	160	31/12/2012	17.05		Continued.	Refuelling work	
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage/AOH from 06.03.2013	
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Parli Unit 7	250	17/02/2013	01.00		Continued.	Water Shortage.	
Chandrapur Unit 4	210	15/06/2013	13.33		Continued.	Annual Overhaul	
FORCED OUTAGE							
CPP Adani U-2	660	22/04/2013	13.47		Continued.	ID fan problem.	
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Koyna Unit 11	80	04/06/2013	13.25		Continued.	Rotar Fault.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
CPP WPCL U-4	135	12/06/2013	03.27		Continued.	Turbine Balancing.	
Uran Unit 8	108	21/06/2013	10.15		Continued.	Gas Shortage.	
Chandrapur Unit 6	500	26/06/2013	16.37	30/06/2013	09.47	Boiler Tube Leakage.	
CPP JSW (J) U1	300	26/06/2013	16.48		Continued.	Condensar Tube Leakage.	
Khaparkheda Unit 3	210	27/06/2013	12.18		Continued.	Furnace Pressure High.	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Koradi Unit 7	210	28/06/2013	11.32	30/06/2013	09.36	M.S.Temp low.	
Koradi Unit 5	200	29/06/2013	16.36		Continued.	ID Fan problem	
Khaparkheda Unit 4	210	30/06/2013	05.20	30/06/2013	12.40	Furnace Pressure Low	
CPP VIPL	300	30/06/2013	08.59	30/06/2013	11.25	Master Fuel Tripped.	
Koradi Unit 7	210	30/06/2013	09.42		Continued.	GC-2 Heavy Gland Flag Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jun/2013

Position as on 6.30 Hrs of 01/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad - I	28/06/2013	10.20		Continued.	Conductor Repl of Jap Bus.
Dhule-Sar'Sarovar - I	30/06/2013	08.23		Continued.	Q.M.Work,Ready For Charging from 17.50.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	06/06/2013	16.44		Continued.	Over Voltage
Chandrapur-Bhadravti - I	09/06/2013	16.16		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	13/06/2013	17.07		Continued.	Over Voltage.
Seoni-Wardha-II 765KV.	14/06/2013	10.54		Continued.	Over Voltage
Dabhol - NewKoyana - II	22/06/2013	11.54	30/06/2013	10.35	To attend Breaker Timing problem
Parli (PGCIL)-Bhadravati-II	23/06/2013	16.17		Continued.	Over Voltage
Dhule - S'Sarovar- II	28/06/2013	23.01	30/06/2013	08.09	Over Voltage.
Parly(PG)- Solapur(PG) - I	29/06/2013	21.12		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Satpur	14/06/2013	02.02		Continued.	Over Voltage.
Solapur - Solapur (PG)	30/06/2013	02.00	30/06/2013	05.53	Over Voltage
Karad - Solapur (PGCIL)	30/06/2013	02.01	30/06/2013	08.29	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT-I @ Deepnagar	07/06/2013	17.03		Continued.	ICT charged through Tie Bay due to higher Tan Delta Values of HV side R Phase Bus-II CT
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main CB of 220/100kv 200 MVA ICTIII @ Padgha	22/05/2013	10.46		Continued.	Repl.of A bus,B bus isolator under JICA scheme.ICT on TBC.
Bableshtar-Bhenda	28/06/2013	09.32		Continued.	Modification of existing BBLR-Waluj & BBLSR Bhenda at Dound-Manmad Rly Crossing.
Aurangabad - Babaleshtar	28/06/2013	09.37		Continued.	Modification of existing BBLR-Waluj & BBLSR Bhenda at Dound-Manmad Rly Crossing.
Pedambe-Mahad	30/06/2013	10.20	30/06/2013	11.45	To Attend R Ph. Oil Leakage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.
Dabhol - Nagothane - I	06/06/2013	21.21		Continued.	Over Voltage
Khadka - Deepnagar - II	22/06/2013	09.46		Continued.	Over Voltage
Karad - Newkoyana - I	23/06/2013	16.36		Continued.	Over Voltage
Deepnagar-Aurangabad-I	28/06/2013	12.38		Continued.	Hot spot on bus isolator.
C'pur-Parli II	29/06/2013	07.45	30/06/2013	08.59	Isolator Maint.work,ready for charging 12.09 Hrs
Karad - Kolhapur - I	29/06/2013	17.04	30/06/2013	08.59	Over Voltage
Dabhol - New Koyana - I	30/06/2013	10.42		Continued.	Over Voltage.
Karad - Kolhapur - I	30/06/2013	16.32		Continued.	Over Voltage.
Chandrapur - Parli - III	30/06/2013	16.36		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jun/2013

Position as on 6.30 Hrs of 01/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	27/05/2013	17.23		Continued.	To avoid over loading by taking line in grid.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated Declared Faulty by Genco.
Karad - Kolhapur - II	21/06/2013	21.23		Continued.	Over Voltage.
Karad-Jaigad I	30/06/2013	00.29	30/06/2013	08.46	Over Voltage
Karad-Jaigad I	01/07/2013	03.00		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Pophali - Pedambe - I	27/06/2013	18.50	30/06/2013	18.20	B-Ph CT Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Jul/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	115
Unit 7	210	0
	620	115
Bhusawal		
Unit 2	210	150
Unit 3	210	160
Unit 4	500	215
Unit 5	500	0
	1420	525
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	180
Unit 4	210	0
Unit 5	500	270
Unit 6	500	200
Unit 7	500	250
	2340	1220
Paras		
Unit 3	250	230
Unit 4	250	210
	500	440
Khaparkheda		
Unit 1	210	160
Unit 2	210	140
Unit 3	210	0
Unit 4	210	160
Unit 5	500	300
	1340	760
Nasik		
Unit 3	210	195
Unit 4	210	180
Unit 5	210	195
	630	570
Uran		
All Units	852	390
	852	390
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	0
VTRNA	60	0

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	0
GHATGHAR	250	0
	611	140
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	1200	510
WARDHA	405	319
Adani	1320	1234
Other CPPs	300	386
	3225	2449
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	4564
	3455	4564