



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Jul/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Jul/2013 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	85.314	85.314	1) Gujrat	7.057	7.057
2) Hydro	4.413	4.413	2) Madhya Pradesh	19.310	19.310
3) Gas	10.719	10.719	3) Chattisgarh	8.510	8.510
Total MSGENCO	100.446	100.446	4) Maharashtra	56.110	56.110
B) 1) JSW JAIGAD	14.716	14.716	5) Goa	-4.603	-4.603
2) WPCL	7.984	7.984	6) TAPS 1&2 Injection	3.692	3.692
3) ADANI	27.580	27.580	7) RGPPL Injection	6.284	6.284
4) Other CPP / IPP	10.704	10.704	8) Pench (Excess)	-0.265	-0.265
5) Wind Generation	23.807	23.807	# Total Cent. Sector	96.095	96.095
6) PENCH (MS)	0.265	0.265	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-17.318	-17.318
1) TPCL Thermal	22.945	22.945	G) Bilateral Power *		
2) TPCL Hydro	4.716	4.716	1) MSEDCL Bilateral	43.798	43.798
TOTAL TPCL	27.661	27.661	Include PX	0.000	0.000
3) REL Thermal	11.209	11.209	2) MUMBAI Bilateral	14.477	14.477
D) STATE			Include PX	1.401	1.401
1) Thermal (A1+C1+C3)	119.468	119.468	3) MUMBAI Schedule	14.477	14.477
2) Hydro (A2+B5+C2)	9.394	9.394	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.719	10.719	1) MSEDCL	264.279	264.279
4) Wind (B4)	23.807	23.807	2) TPCL	36.841	36.841
5) CPP (B1+B2+B3)	60.984	60.984	3) REL	19.348	19.348
TOTAL STATE	224.372	224.372	TOTAL STATE	320.468	320.468

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3617	3458	3568
MSGENCO Hydro	447	581	46
MSGENCO Gas	448	449	447
MSGENCO Total Generation	4512	4488	4061
Central Sector Receipt	4510	4397	3373
WIND	1057	801	814
CPP / IPP	2559	2572	2390
Exchange with Mumbai	-867	-618	-371
MSEDCL DEMAND MET	11797	11664	10267
Load Shedding	154	150	56
MSEDCL DEMAND	11951	11814	10323
TPCL GENERATION	1455	1509	837
R-INFRA GENERATION	525	509	391
TPCL+R-INFRA DEMAND	2847	2636	1599
STATE DEMAND MET	14644	14300	11866
STATE DEMAND	14798	14450	11922
Frequency (Hz)	49.94	49.86	50.10

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.47 Hz at 04.05 Hrs	49.57 Hz at 10.09 Hrs	49.94	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 01/Jul/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	2.99	2.99	152	85	115
Unit 7	0.00	0.00	0	0	0
Total	2.99	2.99			115
Bhusawal					
Unit 2	4.00	4.00	175	145	150
Unit 3	3.80	3.80	170	140	160
Unit 4	3.88	3.88	210	0	215
Unit 5	5.68	5.68	295	195	0
Total	17.35	17.35			525
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	3.62	3.62	156	137	160
Unit 2	3.79	3.79	163	145	160
Unit 3	3.89	3.89	192	118	180
Unit 4	0.00	0.00	0	0	0
Unit 5	5.33	5.33	265	175	270
Unit 6	3.65	3.65	210	0	200
Unit 7	6.09	6.09	278	235	250
Total	26.37	26.37			1220
Paras					
Unit 3	4.48	4.48	237	153	230
Unit 4	4.66	4.66	213	155	210
Total	9.14	9.14			440
Khaparkheda					
Unit 1	2.20	2.20	125	60	160
Unit 2	3.06	3.06	165	80	140
Unit 3	0.00	0.00	0	0	0
Unit 4	4.41	4.41	206	166	160
Unit 5	7.32	7.32	387	270	300
Total	16.98	16.98			760
Nasik					
Unit 3	4.18	4.18	195	165	195
Unit 4	4.12	4.12	183	164	180
Unit 5	4.18	4.18	186	167	195
Total	12.48	12.48			570
Uran					
All Units	10.72	10.72	453	439	390
Total	10.72	10.72			390
PENCH (MS)					
Pench (MS)	0.26	0.26	26	0	
Total	0.26	0.26			
Koyna					
Stage 1-2	1.42	1.42	225	40	600
Stage 4	0.15	0.15	74	0	250
Stage 3	1.00	1.00	158	0	240
Kovna 12&4 Total	1.57	1.57			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.57	2.57			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.28	0.28	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.39	0.39	82	0	80
RNGR+BHTSA	0.00	0.00	0	0	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.16	0.16	7	6	0
GHATGHAR	1.01	1.01	250	0	0
Total	1.84	1.84			140
Wind					
MalharPeth	1.16	1.16			
Vankuswadi	1.56	1.56			
ATIT	0.30	0.30			
Kale	0.73	0.73			
Satara	8.22	8.22			
Shirala	0.64	0.64			
K Mahankal	0.12	0.12			
Supa	0.28	0.28			
Vita	3.24	3.24			
Dondaicha	4.43	4.43			
Sakri	0.76	0.76			
Nandurbar	0.44	0.44			
Khandke	1.21	1.21			
Khaparale	0.73	0.73			
Total	23.81	23.81			
CPP					
JSW JAIGAD	14.72	14.72	623	596	510
WARDHA	7.98	7.98	370	276	319
Adani	27.58	27.58	1230	670	1234
Other CPPs	10.70	10.70			386
Total	60.98	60.98			2449
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.47	9.47	501	314	500
Trombay 6	3.60	3.60	181	147	500
Trombay 7A	2.92	2.92	125	119	120
Trombay 7B	1.62	1.62	68	66	60
Trombay 8	5.34	5.34	253	188	250
TATA Hydro	4.72	4.72	437	0	447
Total	27.66	27.66			1877
REL					
1&2	11.21	11.21	526	391	500
Total	11.21	11.21			500
Cent Sect					
Share					4564
Total					4564

MS PG CL	Thermal	85.31	85.31			3630
	Thml+Gas	96.03	96.03			4020
	Hydro	4.41	4.41			1230
	Total	100.45	100.45			5250
State Total		224.37	224.37			14640

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/Jul/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	3554	46	441	4041	1082	2536	3704	3343	-532	-573	10455	87	10542	1904	12446	49.98
2	3564	51	444	4059	1080	2320	3680	3613	-501	-511	10574	55	10629	1738	12367	50.03
3	3536	56	448	4040	966	2230	3232	3496	-424	-422	10310	56	10366	1653	12019	49.99
4	3568	46	447	4061	814	2390	3164	3373	-416	-371	10267	56	10323	1599	11922	50.10
5	3617	62	446	4125	702	2447	3152	3430	-404	-353	10351	71	10422	1583	12005	50.08
6	3621	232	448	4301	786	2560	3264	3600	-543	-454	10793	153	10946	1683	12629	49.97
7	3685	142	449	4276	753	2650	3626	3920	-537	-597	11002	378	11380	1828	13208	50.02
8	3696	52	447	4195	803	2567	3911	3719	-563	-646	10638	496	11134	2005	13139	49.96
9	3651	92	443	4186	1014	2621	4158	4176	-574	-650	11347	350	11697	2330	14027	49.92
10	3634	227	441	4302	1011	2711	4291	4261	-630	-707	11601	220	11821	2658	14479	49.86
11	3617	447	448	4512	1057	2559	4471	4510	-676	-867	11797	154	11951	2847	14798	49.94
12	3546	393	451	4390	1299	2552	4518	4298	-724	-973	11592	204	11796	2906	14702	49.99
13	3425	231	447	4103	1234	2551	4452	4367	-718	-1064	11194	293	11487	2883	14370	49.86
14	3345	47	445	3837	1100	2612	4393	4251	-734	-1070	10730	212	10942	2772	13714	49.88
15	3487	47	439	3973	1159	2671	4416	4204	-809	-947	11060	152	11212	2806	14018	49.79
16	3469	47	442	3958	1241	2645	4400	4148	-785	-857	11135	124	11259	2806	14065	49.75
17	3505	89	446	4040	1233	2621	4146	3927	-694	-849	10972	121	11093	2791	13884	49.74
18	3527	88	447	4062	1032	2646	4124	3923	-576	-1073	10590	102	10692	2703	13395	50.02
19	3382	219	446	4047	940	2563	4167	4299	-593	-975	10897	90	10987	2623	13610	49.98
20	3458	581	449	4488	801	2572	4275	4397	-580	-618	11664	150	11814	2636	14450	49.86
21	3617	522	450	4589	774	2609	4387	4206	-597	-515	11688	169	11857	2551	14408	49.84
22	3626	380	451	4457	874	2720	4417	4235	-624	-594	11717	110	11827	2424	14251	49.97
23	3577	204	451	4232	951	2581	4443	4249	-641	-756	11282	79	11361	2310	13671	49.87
24	3607	112	453	4172	1101	2050	4403	4150	-598	-876	10623	67	10690	2149	12839	50.04
MUs	85.31	4.41	10.72	100.45	23.81	60.98	97.19	96.10	-14.48	-17.32	264.28	3.95	268.23	56.19	324.42	49.94

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 01/Jul/2013

Position as on 6.30 Hrs of 02/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	
Koyna Unit 5	80	01/07/2013	07.35		Continued.	Maint.Work.	
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.	
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 5	200	29/06/2013	16.36		Continued.	ID Fan problem	
Koradi Unit 7	210	30/06/2013	09.42		Continued.	GC-2 Heavy Gland Flag Leakage.	
CPP VIPL	300	01/07/2013	10.00	01/07/2013	12.23	Boiler Main Fuel Tripped.	
Chandrapur Unit 6	500	01/07/2013	11.41	01/07/2013	13.51	High Drum Level.	
Bhusawal Unit 4	500	01/07/2013	18.02	01/07/2013	20.04	Low Drum Level.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Jul/2013

Position as on 6.30 Hrs of 02/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad - I	28/06/2013	10.20	02/07/2013	06.12	Conductor Repl of Jap Bus.
Dhule-Sar'Sarovar - I	30/06/2013	08.23	01/07/2013	09.57	Q.M.Work.
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
Parli (PGCIL)-Bhadravati-II	23/06/2013	16.17	01/07/2013	10.14	Over Voltage
Parly(PG)- Solapur(PG) - I	29/06/2013	21.12	01/07/2013	10.47	Over Voltage
Solapur PG - Parly PG - I	01/07/2013	17.10		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	01/07/2013	23.01		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Satpur	14/06/2013	02.02		Continued.	Over Voltage.
Lamboti - Solapur (PGCIL)	01/07/2013	21.57	02/07/2013	06.14	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.
Uran-ONGC	01/07/2013	08.57	01/07/2013	19.18	Bus Coupler & Bus PT Replacement @ ONGC.
Girwali-Nanded	01/07/2013	09.10	01/07/2013	12.18	Dismantling 220KV Line PT.
ONGC-JNPT	01/07/2013	10.10	01/07/2013	19.28	Bus Coupler & Bus PT Repl. @ ONGC.
Oni - Kharepatan	01/07/2013	11.14	01/07/2013	18.35	Repl.of CC & D/P Relay @ Kharepathan.
Chikhali - Jalna - II	01/07/2013	12.30	01/07/2013	21.27	Jumper Tighting Work of Adjacent 220KV Jalna-Chikhali-I.
Pusad - Nanded	01/07/2013	12.47	01/07/2013	15.07	Dismantling 220KV Line PT.
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 - Newkoyna - I	23/06/2013	16.36		Continued.	Over Voltage
Deepnagar-Aurangabad-I	28/06/2013	12.38	02/07/2013	02.18	Hot spot on bus isolator.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Jul/2013

Position as on 6.30 Hrs of 02/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Dabhol - New Koyna - I	30/06/2013	10.42		Continued.	Over Voltage.
Karad - Kolhapur - I	30/06/2013	16.32	01/07/2013	10.19	Over Voltage.
Chandrapur - Parli - III	30/06/2013	16.36	01/07/2013	09.27	Over Voltage.
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	01/07/2013	03.00	01/07/2013	09.01	Over Voltage.
Karad - Kolhapur - I	01/07/2013	16.32		Continued.	Over Voltage.
Deepnagar-Aurangabad-II	02/07/2013	00.56		Continued.	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Jul/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	0
	620	135
Bhusawal		
Unit 2	210	170
Unit 3	210	160
Unit 4	500	215
Unit 5	500	
	1420	545
Parli		
Unit 3	210	
Unit 4	210	
Unit 5	210	
Unit 6	250	
Unit 7	250	
	1130	
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	190
Unit 4	210	0
Unit 5	500	225
Unit 6	500	200
Unit 7	500	275
	2340	1200
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	160
Unit 2	210	140
Unit 3	210	0
Unit 4	210	180
Unit 5	500	350
	1340	830
Nasik		
Unit 3	210	195
Unit 4	210	180
Unit 5	210	195
	630	570
Uran		
All Units	852	430
	852	430
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	240
	1920	1010
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	
BHIRA T.R.	80	80
RNGR+BHTSA	20	
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	
GHATGHAR	250	
	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	562
WARDHA	405	344
Adani	1320	1234
Other CPPs	300	390
	3225	2530
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	4549
	3455	4549