



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Jul/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Jul/2013 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	75.901	1038.049	1) Gujrat	8.553	174.203
2) Hydro	6.847	76.698	2) Madhya Pradesh	15.574	220.376
3) Gas	6.668	127.595	3) Chattisgarh	6.110	84.230
Total MSGENCO	89.416	1242.342	4) Maharashtra	46.311	701.472
B) 1) JSW JAIGAD	21.290	256.225	5) Goa	-4.596	-61.755
2) WPCL	7.304	102.586	6) TAPS 1&2 Injection	3.758	41.639
3) ADANI	23.330	311.460	7) RGPPL Injection	5.726	83.990
4) Other CPP / IPP	6.304	108.648	8) Pench (Excess)	-0.322	-2.789
5) Wind Generation	32.230	314.015	# Total Cent. Sector	81.114	1241.366
6) PENCH (MS)	0.322	2.789	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-15.992	-216.557
1) TPCL Thermal	20.310	293.388	G) Bilateral Power *		
2) TPCL Hydro	5.374	60.250	1) MSEDCL Bilateral	36.738	497.823
TOTAL TPCL	25.684	353.638	Include PX	-5.492	-23.572
3) REL Thermal	9.764	146.119	2) MUMBAI Bilateral	9.643	177.364
D) STATE			Include PX	-0.717	24.496
1) Thermal (A1+C1+C3)	105.975	1477.556	3) MUMBAI Schedule	9.643	177.364
2) Hydro (A2+B5+C2)	12.543	139.737	H) ENERGY CATERED (MUs)		
3) Gas (A3)	6.668	127.595	1) MSEDCL	245.318	3362.874
4) Wind (B4)	32.230	314.015	2) TPCL	33.699	470.073
5) CPP (B1+B2+B3)	58.228	490.789	3) REL	17.740	246.241
TOTAL STATE	215.644	2549.692	TOTAL STATE	296.757	4079.188

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3125	3189	3183
MSGENCO Hydro	409	557	97
MSGENCO Gas	276	285	276
MSGENCO Total Generation	3810	4031	3556
Central Sector Receipt	3862	4253	2335
WIND	1206	1416	1487
CPP / IPP	2570	2446	2191
Exchange with Mumbai	-877	-739	-270
MSEDCL DEMAND MET	10598	11418	9299
Load Shedding	51	55	51
MSEDCL DEMAND	10649	11473	9350
TPCL GENERATION	1268	1180	906
R-INFRA GENERATION	480	400	404
TPCL+R-INFRA DEMAND	2625	2319	1580
STATE DEMAND MET	13223	13737	10879
STATE DEMAND	13274	13792	10930
Frequency (Hz)	50.21	49.97	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.44 Hz at 06:05 Hrs	49.76 Hz at 20:38 Hrs	50.06	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 13/Jul/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.14	24.02	145	110	140
Unit 6	3.35	38.95	155	112	140
Unit 7	3.20	14.72	160	105	160
Total	9.70	77.70			440
Bhusawal					
Unit 2	2.74	42.16	155	6	116
Unit 3	0.90	39.67	125	0	116
Unit 4	6.23	72.32	310	220	240
Unit 5	0.00	12.40	0	0	0
Total	9.87	166.54			472
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	2.87	44.18	146	107	120
Unit 2	3.00	45.31	150	105	120
Unit 3	2.25	24.38	128	61	110
Unit 4	0.00	0.00	0	0	0
Unit 5	4.79	67.99	215	153	225
Unit 6	5.54	65.59	305	185	200
Unit 7	4.84	71.48	227	130	230
Total	23.28	318.94			1005
Paras					
Unit 3	3.98	51.70	182	153	200
Unit 4	4.42	56.75	200	158	200
Total	8.40	108.45			400
Khaparkheda					
Unit 1	1.88	36.04	145	0	140
Unit 2	2.32	35.24	130	50	140
Unit 3	3.45	36.17	157	135	160
Unit 4	3.51	51.69	160	140	160
Unit 5	5.49	87.67	305	160	250
Total	16.65	246.81			850
Nasik					
Unit 3	4.02	53.97	190	155	195
Unit 4	0.00	25.26	0	0	0
Unit 5	3.99	40.39	170	160	195
Total	8.01	119.62			390
Uran					
All Units	6.67	127.60	290	270	380
Total	6.67	127.60			380
PENCH (MS)					
Pench (MS)	0.32	2.79	27	0	0
Total	0.32	2.79			0
Koyna					
Stage 1-2	1.32	22.00	130	40	600
Stage 4	0.00	6.39	0	0	250
Stage 3	1.99	18.28	238	0	240
Kovna 12&4 Total	1.32	28.39			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.30	46.66			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.13	1.03	61	0	0
TILLARI	0.18	2.69	59	0	60
BHTGR/VEER	0.08	0.79	4	3	4
BHIRA T.R.	0.52	6.02	80	0	80
RNGR+BHTSA	0.06	0.14	3	2	0
BHANDARDRA	0.14	1.26	6	6	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.80	5.43	34	33	0
GHATGHAR	1.64	12.67	250	0	0
Total	3.55	30.03			144
Wind					
MalharPeth	1.17	15.94			
Vankuswadi	1.93	24.40			
ATIT	0.27	5.52			
Kale	0.68	8.84			
Satara	7.75	83.14			
Shirala	0.59	8.50			
K Mahankal	0.11	4.48			
Supa	0.33	3.64			
Vita	2.84	37.57			
Dondaicha	11.24	75.91			
Sakri	1.63	12.08			
Nandurbar	1.12	7.55			
Khandke	1.19	13.52			
Khaparale	1.38	12.92			
Total	32.23	314.02			
CPP					
JSW JAIGAD	21.29	256.22	962	845	870
WARDHA	7.30	102.59	331	246	335
Adani	23.33	311.46	1220	840	1234
Other CPPs	6.30	108.65			
Total	58.23	778.92			2439
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	7.64	120.07	352	315	500
Trombay 6	3.55	46.40	149	148	500
Trombay 7A	2.93	38.27	124	114	120
Trombay 7B	1.62	21.11	68	65	60
Trombay 8	4.56	67.54	209	185	250
TATA Hydro	5.37	60.25	387	72	447
Total	25.68	353.64			1877
REL					
1&2	9.76	146.12	480	397	500
Total	9.76	146.12			500
Cent Sect					
Share					4229
Total					4229

MS PG CL	Thermal	75.90	1038.05			3557
	Thml+Gas	82.57	1165.64			3937
	Hydro	6.85	76.70			1234
	Total	89.42	1242.34			5171
State Total		215.64	2549.69			14216

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/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	3157	157	276	3590	1439	2209	2770	2723	-374	-475	9486	81	9567	1785	11352	49.99
2	3148	148	276	3572	1475	2195	2297	2385	-295	-344	9283	51	9334	1656	10990	50.01
3	3183	97	276	3556	1487	2191	2269	2335	-257	-270	9299	51	9350	1580	10930	49.96
4	3191	86	276	3553	1428	2203	2292	2328	-231	-172	9340	51	9391	1545	10936	50.01
5	3179	86	276	3541	1417	2203	2297	2519	-236	-220	9460	51	9511	1549	11060	50.15
6	3219	120	276	3615	1438	2185	2684	3085	-257	-298	10025	52	10077	1617	11694	50.07
7	3305	171	276	3752	1245	2222	3057	3278	-303	-379	10118	52	10170	1698	11868	50.24
8	3308	239	276	3823	1185	2234	3395	3679	-331	-499	10422	52	10474	1816	12290	50.11
9	3145	431	276	3852	1200	2254	3831	3937	-379	-741	10502	51	10553	2059	12612	50.07
10	3125	601	276	4002	1268	2297	3660	3936	-415	-793	10723	51	10774	2400	13174	50.03
11	3125	409	276	3810	1206	2570	3999	3862	-498	-877	10598	51	10649	2625	13274	50.21
12	3130	176	273	3579	1170	2708	3866	3770	-556	-963	10290	51	10341	2649	12990	50.15
13	3090	184	273	3547	1347	2719	3385	3627	-546	-1010	10253	106	10359	2637	12996	50.03
14	3127	162	270	3559	1412	2740	3280	3464	-472	-898	10300	55	10355	2497	12852	50.11
15	3130	182	270	3582	1467	2730	3379	3387	-461	-953	10238	55	10293	2482	12775	50.02
16	3068	204	270	3542	1327	2752	3370	3349	-452	-904	10092	55	10147	2468	12615	50.02
17	3130	310	279	3719	1200	2641	3255	3364	-435	-850	10101	55	10156	2420	12576	50.00
18	3139	450	285	3874	1318	2443	3145	3386	-420	-831	10200	56	10256	2404	12660	50.18
19	3046	507	285	3838	1338	2422	3172	3600	-434	-768	10442	56	10498	2380	12878	50.06
20	3119	595	282	3996	1251	2398	4039	4210	-440	-773	11108	56	11164	2409	13573	49.98
21	3189	557	285	4031	1416	2446	4338	4253	-468	-739	11418	55	11473	2319	13792	49.97
22	3165	382	290	3837	1416	2526	3901	3765	-472	-772	10798	55	10853	2266	13119	49.98
23	3233	339	286	3858	1427	2491	3401	3590	-471	-772	10621	55	10676	2143	12819	50.00
24	3250	254	284	3788	1353	2449	2990	3282	-441	-691	10201	55	10256	2036	12292	50.06
MUs	75.90	6.85	6.67	89.42	32.23	58.23	78.07	81.11	-9.64	-15.99	245.32	1.36	246.68	51.44	298.12	50.06

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 13/Jul/2013

Position as on 6.30 Hrs of 14/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	
Chandrapur Unit 4	210	15/06/2013	13.33		Continued.	Annual Overhaul	
Nasik Unit 4	210	07/07/2013	02.00		Continued.	C.O.H.	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Annual Overhaul	
FORCED OUTAGE							
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.	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Uran Unit 7	108	30/06/2013	12.42		Continued.	Gas Shortage.	
Bhusawal Unit 5	500	03/07/2013	23.40		Continued.	ESP Problem.	
CPP Adani U1	660	04/07/2013	20.11		Continued.	Boiler Tube Leakage	
CPP VIPL	300	12/07/2013	16.04		Continued.	Bunker Chocking Problem.	
Uran Unit 6	108	12/07/2013	16.38		Continued.	Gas Shortage.	
CPP INDIABULLS	270	12/07/2013	16.41	13/07/2013	16.40	Tripped,due to Koradi-Indiabull Ckt A/R Opetd.	
Bhusawal Unit 2	210	13/07/2013	08.17	13/07/2013	09.45	Flame Failure	
Bhusawal Unit 3	210	13/07/2013	08.31		Continued.	Furnace Pressure High	
Khaparkheda Unit 1	210	13/07/2013	18.10		Continued.	Furnace Pressure High	
CPP INDIABULLS	270	14/07/2013	08.28		Continued.	BFP Problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Jul/2013

Position as on 6.30 Hrs of 14/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Seoni - I	01/07/2013	08.35		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	06/07/2013	17.08		Continued.	Over Voltage.
Kolhapur - Mapusa - I	11/07/2013	16.36	13/07/2013	06.27	Over Voltage.
Parli - Solapur (PGCIL) - I	11/07/2013	18.07		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	12/07/2013	01.17	13/07/2013	12.49	Over Voltage.
Solapur - Solapur (PG)	12/07/2013	12.56	14/07/2013	07.45	Over Voltage.
Akola - Wardha - I	13/07/2013	00.11	13/07/2013	07.02	Over Voltage.
Dhule - S'Sarovar- II	13/07/2013	17.11		Continued.	Over Voltage
Solapur - Solapur (PG)	14/07/2013	16.10		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Satpur	14/06/2013	02.02		Continued.	Over Voltage.(RFC 24.06.13, 18.40Hrs)
Karad - Solapur (PGCIL)	12/07/2013	22.12	13/07/2013	09.42	Over Voltage.
Akola-Aurangabad--II	12/07/2013	23.01	13/07/2013	06.44	Over Voltage.
Kolhapur - Mapusa - II	13/07/2013	03.30		Continued.	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
Dabhol-Nagothane - II	09/07/2013	12.08		Continued.	Taking A/R in to service at N'thane end(Ready for Charging 19.48Hrs)
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.
Chandrapur-Gadchandur	13/07/2013	09.46	13/07/2013	20.11	LILO work at Grace Industries
220/132 KV 200 MVA ICT-I @ Satana	13/07/2013	10.08	13/07/2013	15.30	132KV Interconnector PT Replacement
Main Bus- II Bkr.at Nasik	13/07/2013	10.22	13/07/2013	16.43	Dignostic testing of CTs and repl.of CT
Gadchandur - Grace Industries	13/07/2013	20.13	13/07/2013	20.14	Newly Charged
Chandrapur - Grace Industries	13/07/2013	20.23	13/07/2013	20.24	Newly Charged
Volkswagan - Bridgestone	14/07/2013	09.13	14/07/2013	18.21	Scada Work
Borivali-Kalwa	14/07/2013	10.00	14/07/2013	11.18	Hot Spot
Borivali (R) - TPC Borivali	14/07/2013	13.27	14/07/2013	15.25	Repl.of Dist.Prot.Relay
Parli-Usmanabad	14/07/2013	14.02	14/07/2013	16.07	Red Hot
Trombay - Tata Tie - I	14/07/2013	16.04	14/07/2013	18.16	To work in the Viccinity of Bay
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Main Bus- II Bkr.at Nasik	13/07/2013	19.38	13/07/2013	21.32	Red Hot
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
Karad - Newkoyna - I	23/06/2013	16.36		Continued.	Over Voltage
Dabhol - New Koyna - I	30/06/2013	10.42		Continued.	Over Voltage.
Karad - Kolhapur - I	05/07/2013	17.10		Continued.	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Jul/2013

Position as on 6.30 Hrs of 14/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	11/07/2013	13.28		Continued.	Over Voltage.
Karad - Kolhapur - II	11/07/2013	21.40		Continued.	Over Voltage.
Chandrapur - Parli - III	12/07/2013	02.27	13/07/2013	09.23	Over Voltage.
Deepnagar-Aurangabad-I	12/07/2013	11.21		Continued.	Changeover.Over Voltage.
Chandrapur - Parli - III	13/07/2013	18.05		Continued.	Over Voltage
Lonikand- Koyna Stage IV	13/07/2013	22.25	14/07/2013	08.48	Over Voltage
Lonikand- Koyna Stage IV	14/07/2013	21.55		Continued.	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 - Lonikand	12/07/2013	22.12	13/07/2013	15.22	Over Voltage.
Koradi - II - Indiabull	12/07/2013	23.01	13/07/2013	07.22	Over Voltage.
Akola - Indiabull (Nandgaonpeth)	12/07/2013	23.01	13/07/2013	08.45	Over Voltage.
Akola - Bhusawal	13/07/2013	00.13	13/07/2013	07.32	Over Voltage.
Karad-Jaigad I	14/07/2013	03.42	14/07/2013	09.28	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Karad - Sadawaghapur - II	13/07/2013	10.42	13/07/2013	13.57	Distance Protection
Karad Mudsingi-II	13/07/2013	19.52	13/07/2013	22.06	Distance Protection
Karad - Sadawaghapur - II	14/07/2013	06.17	14/07/2013	11.53	Distance Protection
Main Bus II @ Aarey	14/07/2013	10.29	14/07/2013	10.51	Bus Bar Prot.operated
Voltage Level : 132KV			Outage Type TRIPPED		
Gondia - Amgaon RLY TSS - I	14/07/2013	07.15	14/07/2013	09.05	Backup Prot.operated
Pusad - Gunj	14/07/2013	20.40	14/07/2013	20.50	Distance Protection
null					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Aarey - Borivali-TPC	14/07/2013	07.48	14/07/2013	12.53	Repl.of Dist.Prot.Relay

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/Jul/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	140
Unit 7	210	140
	620	430
Bhusawal		
Unit 2	210	150
Unit 3	210	0
Unit 4	500	323
Unit 5	500	0
	1420	473
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	150
Unit 2	210	140
Unit 3	210	165
Unit 4	210	0
Unit 5	500	0
Unit 6	500	250
Unit 7	500	250
	2340	955
Paras		
Unit 3	250	200
Unit 4	250	220
	500	420
Khaparkheda		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	180
Unit 4	210	180
Unit 5	500	280
	1340	800
Nasik		
Unit 3	210	190
Unit 4	210	0
Unit 5	210	190
	630	380
Uran		
All Units	852	270
	852	270
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	5
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	149
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	870
WARDHA	405	340
Adani	1320	1234
Other CPPs	300	245
	3225	2689
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	4063
	3455	4063