



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Jul/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Jul/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	74.682	1112.731	1) Gujrat	12.650	186.853
2) Hydro	5.576	82.274	2) Madhya Pradesh	16.237	236.613
3) Gas	6.721	134.316	3) Chattisgarh	6.030	90.260
Total MSGENCO	86.979	1329.321	4) Maharashtra	47.654	749.126
B) 1) JSW JAIGAD	21.191	277.416	5) Goa	-4.184	-65.939
2) WPCL	7.376	109.962	6) TAPS 1&2 Injection	3.840	45.479
3) ADANI	24.450	335.910	7) RGPPL Injection	5.592	89.582
4) Other CPP / IPP	6.621	115.269	8) Pench (Excess)	-0.051	-2.840
5) Wind Generation	23.965	337.980	# Total Cent. Sector	87.768	1329.134
6) PENCH (MS)	0.051	2.840	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.679	-228.236
1) TPCL Thermal	20.408	313.796	G) Bilateral Power *		
2) TPCL Hydro	3.622	63.872	1) MSEDCL Bilateral	36.333	534.156
TOTAL TPCL	24.030	377.668	Include PX	-1.536	-25.108
3) REL Thermal	9.929	156.048	2) MUMBAI Bilateral	11.020	188.385
D) STATE			Include PX	0.526	25.021
1) Thermal (A1+C1+C3)	105.019	1582.575	3) MUMBAI Schedule	11.020	188.385
2) Hydro (A2+B5+C2)	9.249	148.986	H) ENERGY CATERED (MUs)		
3) Gas (A3)	6.721	134.316	1) MSEDCL	246.722	3609.596
4) Wind (B4)	23.965	337.980	2) TPCL	29.461	499.534
5) CPP (B1+B2+B3)	59.638	527.097	3) REL	16.164	262.405
TOTAL STATE	204.592	2730.954	TOTAL STATE	292.347	4371.535

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	3264	3177	3049
MSGENCO Hydro	213	741	87
MSGENCO Gas	278	278	288
MSGENCO Total Generation	3755	4196	3424
Central Sector Receipt	4392	4070	2966
WIND	1018	1018	1116
CPP / IPP	2459	2515	2423
Exchange with Mumbai	-609	-560	-227
MSEDCL DEMAND MET	11015	11239	9702
Load Shedding	52	57	52
MSEDCL DEMAND	11067	11296	9754
TPCL GENERATION	1044	1223	948
R-INFRA GENERATION	397	399	400
TPCL+R-INFRA DEMAND	2050	2182	1575
STATE DEMAND MET	13065	13421	11277
STATE DEMAND	13117	13478	11329
Frequency (Hz)	50.07	49.92	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 21:43 Hrs	49.72 Hz at 03:17 Hrs	50.02	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 14/Jul/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.92	26.94	151	70	150
Unit 6	3.22	42.17	150	107	140
Unit 7	3.10	17.82	155	95	140
Total	9.24	86.93			430
Bhusawal					
Unit 2	3.46	45.62	155	120	150
Unit 3	0.00	39.67	0	0	0
Unit 4	7.18	79.50	345	210	323
Unit 5	0.00	12.40	0	0	0
Total	10.64	177.18			473
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	3.06	47.25	144	69	150
Unit 2	3.13	48.44	148	78	140
Unit 3	3.88	28.26	185	122	165
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	67.99	0	0	0
Unit 6	6.83	72.42	340	220	250
Unit 7	6.27	77.76	307	225	250
Total	23.18	342.12			955
Paras					
Unit 3	3.69	55.39	174	137	200
Unit 4	3.98	60.73	183	141	220
Total	7.68	116.12			420
Khaparkheda					
Unit 1	0.00	36.04	0	0	0
Unit 2	2.30	37.54	120	40	160
Unit 3	3.86	40.02	175	67	180
Unit 4	3.65	55.33	162	128	180
Unit 5	6.11	93.78	290	200	280
Total	15.91	262.72			800
Nasik					
Unit 3	4.04	58.02	175	165	190
Unit 4	0.00	25.26	0	0	0
Unit 5	3.99	44.38	171	149	190
Total	8.03	127.65			380
Uran					
All Units	6.72	134.32	288	273	270
Total	6.72	134.32			270
PENCH (MS)					
Pench (MS)	0.05	2.84	22	0	0
Total	0.05	2.84			0
Koyna					
Stage 1-2	2.04	24.04	270	40	600
Stage 4	0.00	6.39	0	0	250
Stage 3	0.85	19.12	158	0	240
Kovna 12&4 Total	2.04	30.43			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.89	49.55			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	1.03	0	0	0
TILLARI	0.29	2.98	59	0	60
BHTGR/VEER	0.08	0.88	4	3	4
BHIRA T.R.	0.45	6.47	81	0	80
RNGR+BHTSA	0.05	0.20	3	2	0
BHANDARDRA	0.09	1.35	34	0	5
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.70	6.13	30	29	0
GHATGHAR	1.02	13.69	240	0	0
Total	2.69	32.72			149
Wind					
MalharPeth	0.93	16.87			
Vankuswadi	1.62	26.02			
ATIT	0.21	5.74			
Kale	0.56	9.40			
Satara	6.52	89.67			
Shirala	0.49	9.00			
K Mahankal	0.07	4.55			
Supa	0.24	3.88			
Vita	2.04	39.62			
Dondaicha	7.25	83.16			
Sakri	1.17	13.25			
Nandurbar	0.57	8.11			
Khandke	1.19	14.71			
Khaparale	1.10	14.01			
Total	23.96	337.98			
CPP					
JSW JAIGAD	21.19	277.42	955	854	870
WARDHA	7.38	109.96	341	237	340
Adani	24.45	335.91	1220	850	1234
Other CPPs	6.62	115.27			245
Total	59.64	838.56			2689
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	7.68	127.75	414	309	500
Trombay 6	3.55	49.95	149	148	500
Trombay 7A	2.94	41.21	124	121	120
Trombay 7B	1.63	22.74	69	67	60
Trombay 8	4.60	72.14	242	188	250
TATA Hydro	3.62	63.87	387	72	447
Total	24.03	377.67			1877
REL					
1&2	9.93	156.05	525	396	500
Total	9.93	156.05			500
Cent Sect					
Share					4063
Total					4063

MS PG CL	Thermal	74.68	1112.73			3458
	Thml+Gas	81.40	1247.05			3728
	Hydro	5.58	82.27			1239
	Total	86.98	1329.32			4967
State Total		204.59	2730.95			14096

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/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	3093	92	288	3473	1213	2515	3064	2972	-447	-502	9671	83	9754	1850	11604	50.00
2	3056	77	288	3421	1187	2532	3038	3029	-431	-376	9793	52	9845	1695	11540	49.92
3	2979	82	288	3349	1160	2448	3038	3049	-378	-275	9731	52	9783	1616	11399	49.92
4	3028	112	288	3428	1121	2478	2976	2944	-370	-211	9760	52	9812	1572	11384	49.89
5	3049	87	288	3424	1116	2423	3028	2966	-400	-227	9702	52	9754	1575	11329	49.94
6	3080	90	288	3458	1028	2741	3107	3282	-443	-294	10215	52	10267	1624	11891	50.04
7	3073	156	288	3517	779	2690	3160	3635	-453	-311	10310	52	10362	1630	11992	50.21
8	3142	170	288	3600	744	2735	3571	3830	-450	-360	10549	52	10601	1677	12278	50.03
9	3267	218	288	3773	985	2683	4054	3965	-456	-471	10935	52	10987	1787	12774	50.09
10	3292	219	278	3789	972	2559	4176	4185	-458	-626	10879	52	10931	1938	12869	50.06
11	3264	213	278	3755	1018	2459	4204	4392	-458	-609	11015	52	11067	2050	13117	50.07
12	3153	466	277	3896	1039	2415	3687	3998	-477	-670	10678	52	10730	2103	12833	50.02
13	3154	273	273	3700	975	2398	3665	3828	-475	-658	10243	109	10352	2084	12436	50.11
14	3164	118	273	3555	985	2295	3652	3777	-454	-672	9940	57	9997	2004	12001	49.96
15	3137	74	273	3484	1079	2292	3634	3856	-442	-584	10127	57	10184	1965	12149	50.00
16	3121	84	273	3478	1071	2243	3558	3857	-440	-557	10092	57	10149	1926	12075	50.04
17	3022	74	273	3369	1111	2277	3510	3709	-437	-560	9906	57	9963	1919	11882	50.08
18	3072	147	273	3492	1009	2284	3107	3566	-431	-549	9802	57	9859	1914	11773	50.09
19	3093	393	273	3759	944	2263	3148	3405	-441	-557	9814	57	9871	1950	11821	49.96
20	3122	782	273	4177	879	2285	3766	3970	-482	-553	10758	57	10815	2151	12966	49.95
21	3177	741	278	4196	1018	2515	4016	4070	-539	-560	11239	57	11296	2182	13478	49.92
22	3116	435	278	3829	925	2717	3642	3783	-564	-438	10824	57	10881	2184	13065	50.10
23	3068	189	278	3535	793	2705	3253	4015	-578	-560	10510	57	10567	2150	12717	50.01
24	2960	284	278	3522	814	2686	2938	3685	-516	-499	10229	57	10286	2092	12378	50.05
MUs	74.68	5.58	6.72	86.98	23.96	59.64	82.99	87.77	-11.02	-11.68	246.72	1.39	248.11	45.64	293.75	50.02

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 14/Jul/2013

Position as on 6.30 Hrs of 15/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	15/07/2013	03.02	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.	
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	
Khaparkheda Unit 3	210	14/07/2013	23.33	15/07/2013	05.34	Boiler Pressure and Temp.sudden drop	
Parli Unit 7	250	15/07/2013	03.06		Continued.	Reheater Protection	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jul/2013

Position as on 6.30 Hrs of 15/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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.
Parli - Solapur (PGCIL) - I	11/07/2013	18.07		Continued.	Over Voltage.
Solapur - Solapur (PG)	12/07/2013	12.56	14/07/2013	07.45	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)
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.
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 : 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.
Bhusawal- Aurangabad	11/07/2013	13.28		Continued.	Over Voltage.
Karad - Kolhapur - II	11/07/2013	21.40		Continued.	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-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	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

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jul/2013

Position as on 6.30 Hrs of 15/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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 15/Jul/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	110
Unit 6	210	130
Unit 7	210	135
	620	375
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	150
Unit 3	210	160
Unit 4	210	0
Unit 5	500	0
Unit 6	500	300
Unit 7	500	250
	2340	1010
Paras		
Unit 3	250	160
Unit 4	250	160
	500	320
Khaparkheda		
Unit 1	210	0
Unit 2	210	80
Unit 3	210	95
Unit 4	210	137
Unit 5	500	255
	1340	567
Nasik		
Unit 3	210	185
Unit 4	210	0
Unit 5	210	185
	630	370
Uran		
All Units	852	270
	852	270
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	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	3
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	146
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	868
WARDHA	405	330
Adani	1320	1234
Other CPPs	300	0
	3225	2432
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	3979
	3455	3979