



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Jul/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Jul/2013 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	66.516	1179.247	1) Gujrat	10.359	197.212
2) Hydro	9.383	91.657	2) Madhya Pradesh	16.663	253.276
3) Gas	8.533	142.849	3) Chattisgarh	7.290	97.550
Total MSGENCO	84.432	1413.753	4) Maharashtra	51.228	800.354
B) 1) JSW JAIGAD	22.605	300.021	5) Goa	-4.543	-70.482
2) WPCL	7.835	117.797	6) TAPS 1&2 Injection	3.840	49.319
3) ADANI	27.840	363.750	7) RGPPL Injection	3.593	93.175
4) Other CPP / IPP	5.618	120.887	8) Pench (Excess)	-0.354	-3.194
5) Wind Generation	26.255	364.235	# Total Cent. Sector	88.076	1417.210
6) PENCH (MS)	0.354	3.194	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.100	-242.336
1) TPCL Thermal	23.112	336.908	G) Bilateral Power *		
2) TPCL Hydro	6.557	70.429	1) MSEDCL Bilateral	40.683	574.838
TOTAL TPCL	29.669	407.337	Include PX	-7.929	-33.036
3) REL Thermal	11.994	168.042	2) MUMBAI Bilateral	13.529	201.914
D) STATE			Include PX	1.962	26.983
1) Thermal (A1+C1+C3)	101.622	1684.197	3) MUMBAI Schedule	13.529	201.914
2) Hydro (A2+B5+C2)	16.294	165.280	H) ENERGY CATERED (MUs)		
3) Gas (A3)	8.533	142.849	1) MSEDCL	248.915	3858.511
4) Wind (B4)	26.255	364.235	2) TPCL	36.500	536.034
5) CPP (B1+B2+B3)	63.898	566.545	3) REL	19.259	281.664
TOTAL STATE	216.602	2923.106	TOTAL STATE	304.674	4676.209

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	2933	2561	2872
MSGENCO Hydro	602	1404	79
MSGENCO Gas	290	435	276
MSGENCO Total Generation	3825	4400	3227
Central Sector Receipt	4275	3356	3174
WIND	1097	1086	995
CPP / IPP	2652	2826	2609
Exchange with Mumbai	-869	-618	-201
MSEDCL DEMAND MET	11007	11060	9830
Load Shedding	53	55	53
MSEDCL DEMAND	11060	11115	9883
TPCL GENERATION	1466	1408	987
R-INFRA GENERATION	524	525	401
TPCL+R-INFRA DEMAND	2859	2551	1589
STATE DEMAND MET	13866	13611	11419
STATE DEMAND	13919	13666	11472
Frequency (Hz)	50.14	49.94	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.32 Hz at 06:05 Hrs	49.71 Hz at 20:06 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 15/Jul/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.69	29.63	129	95	110
Unit 6	2.69	44.86	130	73	130
Unit 7	1.72	19.54	135	0	135
Total	7.10	94.03			375
Bhusawal					
Unit 2	3.32	48.94	155	120	150
Unit 3	0.00	39.67	0	0	0
Unit 4	4.76	84.26	305	120	323
Unit 5	0.00	12.40	0	0	0
Total	8.08	185.27			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	3.33	50.58	146	129	150
Unit 2	3.38	51.82	152	128	150
Unit 3	3.49	31.75	180	96	160
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	67.99	0	0	0
Unit 6	5.91	78.34	310	160	300
Unit 7	5.36	83.12	266	195	250
Total	21.47	363.59			1010
Paras					
Unit 3	3.68	59.07	165	143	160
Unit 4	3.98	64.71	177	155	160
Total	7.66	123.78			320
Khaparkheda					
Unit 1	0.00	36.04	0	0	0
Unit 2	3.16	40.70	170	70	80
Unit 3	2.46	42.49	149	0	95
Unit 4	3.57	58.90	161	137	137
Unit 5	4.71	98.49	286	100	255
Total	13.91	276.62			567
Nasik					
Unit 3	4.14	62.16	190	160	185
Unit 4	0.00	25.26	0	0	0
Unit 5	4.16	48.54	189	163	185
Total	8.30	135.95			370
Uran					
All Units	8.53	142.85	449	276	270
Total	8.53	142.85			270
PENCH (MS)					
Pench (MS)	0.35	3.19	27	0	0
Total	0.35	3.19			0
Koyna					
Stage 1-2	2.94	26.98	515	40	600
Stage 4	1.94	8.33	563	0	250
Stage 3	1.46	20.58	240	0	240
Kovna 12&4 Total	4.88	35.31			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	6.34	55.89			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	1.03	0	0	0
TILLARI	0.29	3.28	59	0	60
BHTGR/VEER	0.09	0.96	4	3	3
BHIRA T.R.	0.42	6.88	80	0	80
RNGR+BHTSA	0.05	0.25	3	2	3
BHANDARDRA	0.00	1.35	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.65	6.78	28	27	0
GHATGHAR	1.55	15.24	240	0	0
Total	3.04	35.77			146
Wind					
MalharPeth	1.10	17.97			
Vankuswadi	1.84	27.86			
ATIT	0.21	5.94			
Kale	0.60	10.00			
Satara	6.94	96.61			
Shirala	0.52	9.52			
K Mahankal	0.06	4.61			
Supa	0.19	4.07			
Vita	1.82	41.44			
Dondaicha	8.63	91.79			
Sakri	1.23	14.48			
Nandurbar	0.77	8.88			
Khandke	0.98	15.69			
Khaparale	1.37	15.38			
Total	26.26	364.24			
CPP					
JSW JAIGAD	22.60	300.02	959	907	868
WARDHA	7.84	117.80	335	313	330
Adani	27.84	363.75	1230	600	1234
Other CPPs	5.62	120.89			0
Total	63.90	902.46			2432
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.59	137.34	502	312	500
Trombay 6	3.55	53.51	149	147	500
Trombay 7A	2.90	44.11	125	111	120
Trombay 7B	1.62	24.36	69	64	60
Trombay 8	5.46	77.60	250	186	250
TATA Hydro	6.56	70.43	398	72	447
Total	29.67	407.34			1877
REL					
1&2	11.99	168.04	526	399	500
Total	11.99	168.04			500
Cent Sect					
Share					3979
Total					3979

MS PG CL	Thermal	66.52	1179.25			3115
	Thml+Gas	75.05	1322.10			3385
	Hydro	9.38	91.66			1236
	Total	84.43	1413.75			4621
State Total		216.60	2923.11			13409

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	2897	74	276	3247	848	2606	3559	3321	-438	-150	9895	82	9977	1813	11790	50.08
2	2846	74	276	3196	885	2583	3572	3441	-431	-150	9978	53	10031	1680	11711	50.06
3	2871	84	276	3231	980	2583	3256	3321	-431	-299	9841	53	9894	1616	11510	49.96
4	2872	79	276	3227	995	2609	3238	3174	-414	-201	9830	53	9883	1589	11472	49.93
5	2811	79	276	3166	952	2606	3256	3359	-429	-260	9849	53	9902	1588	11490	50.02
6	2830	74	276	3180	945	2614	3614	3923	-419	-287	10402	53	10455	1657	12112	49.94
7	2918	88	278	3284	929	2639	3699	4189	-423	-324	10724	53	10777	1791	12568	50.10
8	2937	265	277	3479	1077	2641	3704	4130	-425	-359	10968	53	11021	2001	13022	50.14
9	2987	397	278	3662	944	2634	3708	4161	-472	-405	11001	53	11054	2339	13393	50.03
10	2931	493	278	3702	1046	2638	3862	4183	-569	-644	10952	53	11005	2641	13646	50.04
11	2933	602	290	3825	1097	2652	4086	4275	-744	-869	11007	53	11060	2859	13919	50.14
12	2857	432	289	3578	1322	2641	4140	4160	-801	-1072	10656	53	10709	2943	13652	50.09
13	2709	359	433	3501	1364	2635	4012	3835	-767	-1107	10231	108	10339	2897	13236	50.06
14	2761	82	432	3275	1227	2696	3885	3910	-668	-991	10117	55	10172	2794	12966	49.98
15	2675	77	441	3193	1368	2769	3876	3537	-769	-923	9944	55	9999	2807	12806	49.97
16	2652	77	441	3170	1344	2822	3567	3619	-740	-860	10118	55	10173	2756	12929	50.01
17	2619	77	447	3143	1329	2886	3450	3441	-551	-892	9934	55	9989	2726	12715	50.01
18	2622	72	447	3141	1208	2968	3104	3533	-551	-936	9941	55	9996	2692	12688	50.03
19	2653	353	449	3455	1156	2890	3170	3557	-552	-846	10223	55	10278	2614	12892	50.04
20	2626	1037	438	4101	1109	2819	3424	3612	-555	-646	11005	55	11060	2545	13605	49.97
21	2561	1404	435	4400	1086	2826	3494	3356	-598	-618	11060	55	11115	2551	13666	49.94
22	2641	1528	439	4608	1031	2606	3213	3204	-618	-514	10935	55	10990	2417	13407	49.96
23	2646	1141	396	4183	1057	2316	3197	3291	-605	-398	10449	55	10504	2293	12797	50.00
24	2661	435	389	3485	956	2219	3207	3544	-560	-349	9855	55	9910	2154	12064	50.06
MUs	66.52	9.38	8.53	84.43	26.26	63.90	85.29	88.08	-13.53	-14.10	248.92	1.38	250.29	55.76	306.06	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 15/Jul/2013

Position as on 6.30 Hrs of 16/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	15/07/2013	10.56	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	15/07/2013	12.28	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	15/07/2013	13.35	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	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	15/07/2013	15.10		Continued.	Gas Shortage	
Koradi Unit 7	210	15/07/2013	15.44		Continued.	Boiler Tube Leakage	
CPP Adani U-2	660	15/07/2013	22.24		Continued.	Boiler Tube Leakage	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 15/Jul/2013

Position as on 6.30 Hrs of 16/Jul/2013

Name of Generating Unit	Capacity	Tripped Date	Trippe d Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
CPP WPCL U-1	135	16/07/2013	04.17		Continued.	Flame Failure	
CPP WPCL U-2	135	16/07/2013	04.20		Continued.	No Coal Flow	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jul/2013

Position as on 6.30 Hrs of 16/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.
Parli - Solapur (PGCIL) - I	11/07/2013	18.07		Continued.	Over Voltage.
Dhule - S'Sarovar- II	13/07/2013	17.11	15/07/2013	15.43	Over Voltage
Solapur - Solapur (PG)	14/07/2013	16.10	15/07/2013	07.31	Over Voltage
Solapur - Solapur (PG)	15/07/2013	16.59		Continued.	Over Voltage
Dhule - S'Sarovar- II	15/07/2013	22.01		Continued.	Over Voltage
Warora - Tiroda - II	15/07/2013	22.07		Continued.	Adani U-2 W/Dn.
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.
Kolhapur-Solapur(PGCIL)- I	16/07/2013	03.46	16/07/2013	06.22	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 and B bus isolator.ICT on TBC.
Aarey-Versova	15/07/2013	08.20	15/07/2013	10.28	Repositioning of Vibration Damper
Wadkhal - Ndil - 2	15/07/2013	10.16	15/07/2013	16.00	Tying up of pilot wire cable
Pawas - Newali	15/07/2013	11.20	15/07/2013	13.55	R.M.Work
Pawas-Kharepatan	15/07/2013	14.07	15/07/2013	18.22	R.M.Work
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Bus Section - II @ Nasik	15/07/2013	13.01	15/07/2013	15.01	Repl.of R Phase CT to Isolator jumper
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.	Over Voltage.
Chandrapur - Parli - III	13/07/2013	18.05		Continued.	Over Voltage
Lonikand- Koyna Stage IV	14/07/2013	21.55	15/07/2013	07.27	Over Voltage
Lonikand- Koyna Stage IV	15/07/2013	23.40		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.	Diff.prot.operated Declared Faulty
Koradi-Khaparkheda-I	15/07/2013	02.31		Continued.	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jul/2013

Position as on 6.30 Hrs of 16/Jul/2013

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

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	50
Unit 7	210	0
	620	180
Bhusawal		
Unit 2	210	150
Unit 3	210	0
Unit 4	500	242
Unit 5	500	0
	1420	392
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	150
Unit 4	210	0
Unit 5	500	0
Unit 6	500	150
Unit 7	500	200
	2340	790
Paras		
Unit 3	250	170
Unit 4	250	170
	500	340
Khaparkheda		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	180
Unit 4	210	180
Unit 5	500	300
	1340	820
Nasik		
Unit 3	210	195
Unit 4	210	0
Unit 5	210	195
	630	390
Uran		
All Units	852	440
	852	440
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	953
WARDHA	405	0
Adani	1320	617
Other CPPs	300	379
	3225	1949
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	4115
	3455	4115