



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Jul/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Jul/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	101.121	1517.451	1) Gujrat	-5.277	-14.218
2) Hydro	5.781	71.083	2) Madhya Pradesh	15.439	214.636
3) Gas	13.531	138.596	3) Chattisgarh	7.520	109.090
Total MSGENCO	120.433	1727.130	4) Maharashtra Net	78.801	1177.778
B) 1) JSW JAIGAD	25.964	362.199	(Incl. 765kV Solapur-Raichur)	-4.026	-56.614
2) WPCL	4.536	40.978	5) Goa	-5.957	-90.730
3) ADANI	41.692	656.065	6) TAPS 1&2 Injection	7.240	101.518
4) Other CPP / IPP	18.500	256.017	7) RGPPL Injection	0.000	0.000
5) Wind Generation	30.290	424.635	8) Pench (Excess)	0.000	-1.544
6) PENCH (MS)	0.000	1.544	# Total Cent. Sector	97.766	1496.530
7) SOLAR	0.703	12.448	F) Other Exchanges		
C) 1) TPCL Thermal	15.283	259.158	1) With TPCL (Excess)	-24.936	-343.624
2) TPCL Hydro	3.760	30.355	G) Bilateral Power *		
TOTAL TPCL	19.043	289.513	1) MSEDCL Bilateral	32.297	491.350
3) REL Thermal	12.145	156.686	Include PX	3.344	118.928
D) STATE			2) MUMBAI Bilateral	25.504	352.401
1) Thermal (A1+C1+C3)	128.549	1933.295	Include PX	1.923	31.217
2) Hydro (A2+B6+C2)	9.541	102.982	3) MUMBAI Schedule	25.504	361.089
3) Gas (A3)	13.531	138.596	H) ENERGY CATERED (MUs)		
4) Wind (B5)	30.290	424.635	1) MSEDCL	314.948	4633.922
5) CPP/IPP (B1+B2+B3+B4)	90.692	1315.259	2) TPCL	36.020	500.088
6) SOLAR (B7)	0.703	12.448	3) REL	20.104	289.726
TOTAL STATE	273.306	3927.215	TOTAL STATE	371.072	5423.736

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4295	4178	4128
MSGENCO Hydro	207	288	79
MSGENCO Gas	567	561	568
MSGENCO Total Generation	5069	5027	4775
Central Sector Receipt	4340	4541	3538
WIND	1283	1295	1314
CPP / IPP	4424	3951	3222
SOLAR	105	81	0
Exchange with Mumbai	-1316	-1328	-642
MSEDCL DEMAND MET	13905	13567	12207
Load Shedding	101	52	48
MSEDCL DEMAND	14006	13619	12255
TPCL GENERATION	1069	997	508
R-INFRA GENERATION	523	524	455
TPCL+R-INFRA DEMAND	2908	2849	1605
STATE DEMAND MET	16813	16416	13812
STATE DEMAND	16914	16468	13860
Frequency (Hz)	49.91	49.96	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 04.55 Hrs	49.64 Hz at 19.36 Hrs	49.93	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/2014

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	3.73	31.62	167	145	160
Unit 7	3.98	52.79	180	145	160
Total	7.71	84.41			320
Bhusawal					
Unit 2	3.08	33.63	150	115	125
Unit 3	0.00	32.23	0	0	0
Unit 4	7.98	123.14	465	260	376
Unit 5	5.86	110.26	365	0	338
Total	16.91	299.25			839
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.77	36.41	166	141	150
Unit 6	4.53	62.81	250	175	185
Unit 7	4.66	63.27	250	175	185
Total	12.95	162.49			520
Chandrapur					
Unit 1	1.37	24.56	132	0	0
Unit 2	3.65	48.49	160	141	160
Unit 3	2.78	41.44	148	0	160
Unit 4	4.10	59.44	195	147	210
Unit 5	10.51	136.69	470	380	450
Unit 6	9.26	125.72	405	355	400
Unit 7	0.00	0.00	0	0	0
Total	31.67	436.34			1380
Paras					
Unit 3	4.03	58.49	181	154	182
Unit 4	0.00	43.12	0	0	0
Total	4.03	101.61			182
Khaparkheda					
Unit 1	0.00	22.42	0	0	0
Unit 2	3.42	51.10	155	140	160
Unit 3	3.40	49.47	152	139	170
Unit 4	3.46	40.81	152	140	170
Unit 5	8.71	121.73	460	320	350
Total	18.99	285.53			850
Nasik					
Unit 3	0.00	41.57	0	0	0
Unit 4	4.43	53.02	194	173	198
Unit 5	4.43	53.22	194	170	190
Total	8.86	147.82			388
Uran					
All Units	13.53	138.60	585	538	590
Total	13.53	138.60			590
PENCH (MS)					
Pench (MS)	0.00	1.54	0	0	
Total	0.00	1.54			
Koyna					
Stage 1-2	1.24	23.10	120	40	600
Stage 4	0.00	0.58	0	0	250
Stage 3	0.98	8.45	240	0	320
Kovna 12&4 Total	1.24	23.68			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.21	32.13			1170
Hydro					
KDPH	0.17	4.14	17	0	16
VTRNA	0.52	7.16	61	0	61
TILLARI	0.56	1.29	64	0	64
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.14	0.92	40	0	40
RNGR+BHTSA	0.26	2.11	11	11	10
BHANDARDRA	0.20	1.27	9	8	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.14	3.06	14	3	9
GHATGHAR	1.57	19.01	225	0	0
Total	3.57	38.95			200
Wind					
MalharPeth	0.89	12.19			
Vankuswadi	1.84	23.54			
ATIT	0.26	3.01			
Kale	0.74	8.26			
Satara	16.20	184.47			
Shirala	1.10	10.27			
K Mahankal	0.11	1.11			
Supa	0.25	3.14			
Vita	3.85	40.30			
Dondaicha	3.05	92.01			
Sakri	0.37	12.59			
Nandurbar	0.31	10.10			
Khandke	0.80	11.06			
Khaparale	0.53	12.59			
Total	30.29	424.64			
CPP					
JSW JAIGAD	25.96	362.20	1200	876	1090
WARDHA	4.54	40.98	192	178	656
Adani	41.69	656.06	2207	1420	1380
Other CPPs	18.50	245.32			745
Total	90.69	1304.57			3871
SOLAR					
Total	0.70	12.45			
Total	0.70	12.45			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.67	156.71	500	314	500
Trombay 6	0.00	47.81	0	0	0
Trombay 7A	2.97	34.08	127	121	120
Trombay 7B	1.64	20.56	69	68	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.76	30.36	435	0	447
Total	19.04	289.51			1127
REL					
1&2	12.14	156.69	524	455	500
Total	12.14	156.69			500
Cent Sect					
Share					4825
Total					4825
MS PG CL	Thermal	101.12	1517.45		4479
	Thml+Gas	114.65	1656.05		5069
	Hydro	5.78	71.08		1370
	Total	120.43	1727.13		6439
State Total		273.31	3927.22		16762

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/Jul/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4256	79	567	4902	1424	3563	0	3519	3838	-684	-867	12860	76	12936	1839	14775	49.87
2	4184	79	560	4823	1524	3421	0	3534	3510	-726	-737	12541	48	12589	1707	14296	49.98
3	4131	79	568	4778	1552	3191	0	3356	3395	-758	-675	12241	48	12289	1638	13927	49.95
4	4121	94	567	4782	1493	3146	0	3323	3697	-758	-646	12472	48	12520	1608	14128	49.99
5	4128	79	568	4775	1314	3222	0	3496	3538	-758	-642	12207	48	12255	1605	13860	50.02
6	4200	84	577	4861	1133	3575	0	3804	3836	-774	-696	12709	49	12758	1701	14459	49.99
7	4309	152	576	5037	1008	3917	3	3802	4257	-867	-699	13523	50	13573	1830	15403	49.98
8	4253	409	570	5232	965	4013	13	3786	3920	-988	-776	13367	50	13417	1996	15413	49.96
9	4152	636	563	5351	1129	4016	40	4156	4832	-1216	-1051	14317	49	14366	2298	16664	49.97
10	4112	573	562	5247	1106	4013	49	4684	4497	-1311	-1259	13653	48	13701	2635	16336	49.90
11	4109	448	547	5104	1207	3952	92	4886	4813	-1429	-1311	13857	48	13905	2879	16784	49.80
12	4054	424	538	5016	1316	3714	110	4838	4710	-1431	-1286	13580	49	13629	2921	16550	49.91
13	4295	207	567	5069	1283	4424	105	4508	4340	-1444	-1316	13905	101	14006	2908	16914	49.91
14	4291	160	553	5004	1160	4022	92	4393	4436	-1371	-1232	13482	53	13535	2815	16350	49.91
15	4334	301	553	5188	1179	4038	76	4451	4260	-1342	-1323	13418	53	13471	2829	16300	49.87
16	4178	288	561	5027	1295	3951	81	4711	4541	-1271	-1328	13567	52	13619	2849	16468	49.96
17	4063	252	548	4863	1363	3617	28	4425	4185	-1209	-1275	12781	52	12833	2788	15621	49.89
18	4172	166	566	4904	1617	3527	7	3851	4107	-1130	-1284	12878	53	12931	2754	15685	49.97
19	4290	147	565	5002	1459	3648	7	3572	3651	-1123	-1283	12484	53	12537	2654	15191	49.87
20	4336	443	561	5340	1388	4039	0	4159	3714	-1126	-1245	13236	53	13289	2610	15899	49.86
21	4379	306	565	5250	1165	3966	0	4271	4097	-1070	-1141	13337	52	13389	2504	15893	49.85
22	4376	215	572	5163	982	3928	0	3964	3905	-996	-1048	12930	52	12982	2402	15384	49.98
23	4224	96	572	4892	1090	3868	0	3961	4114	-891	-964	13000	52	13052	2253	15305	49.99
24	4174	64	585	4823	1138	3921	0	3952	3573	-830	-852	12603	52	12655	2101	14756	50.03
MUs	101.12	5.78	13.53	120.43	30.29	90.69	0.70	97.40	97.77	-25.50	-24.94	314.95	1.29	316.24	56.12	372.36	49.93

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/2014

Position as on 6.30 Hrs of 15/Jul/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Chandrapur Unit 7	500	19/06/2014	06.00		Continued.	A/OH.	
Koyna ST - IV 3	250	07/07/2014	09.00		Continued.	Annual Overhaul	23/08/2014
Nasik Unit 3	210	10/07/2014	14.10		Continued.	A/OH.	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	I D Fan Bearing Temperature High.	
CPP IPL U-1	270	26/06/2014	05.46		Continued.	Coal Shortage.	
Parli Unit 4	210	29/06/2014	10.19		Continued.	Coal Shortage	
CPP Adani U-4	660	10/07/2014	11.32		Continued.	Depletion in coal stock.	
Bhusawal Unit 3	210	11/07/2014	22.25		Continued.	Coal shortage.	
Paras Unit 4	250	12/07/2014	10.37		Continued.	Drum level low	
Tata Trombay 6	500	12/07/2014	22.13		Continued.	Economic shut down	
Khaparkheda Unit 1	210	13/07/2014	20.18		Continued.	Governing system problem	
Chandrapur Unit 1	210	13/07/2014	22.08	14/07/2014	09.08	Testing and control Ckt.problem	
Bhusawal Unit 5	500	14/07/2014	11.19	14/07/2014	15.52	ID Fan Problem	
Chandrapur Unit 3	210	14/07/2014	22.05		Continued.	Super Heater safety Valve Repair work	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jul/2014

Position as on 6.30 Hrs of 15/Jul/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Halkarni-Mahalaxmi	14/07/2014	11.24	14/07/2014	13.05	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	13/07/2014	21.36	14/07/2014	08.50	Over Voltage
Kolhapur-Mapusa-II	14/07/2014	16.18		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	15/07/2014	00.56		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - II	14/07/2014	20.42		Continued.	Distance Protection
Dhule-Sar'Sarovar - I	14/07/2014	21.37		Continued.	Distance Protection
Voltage Level : 220KV			Outage Type TRIPPED		
Talangade-Chikodi	15/07/2014	02.15	15/07/2014	02.51	Tripped at Chikodi end only
Talangade-Chikodi	15/07/2014	03.24		Continued.	Tripped at Chikodi end only
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ICT-II at Warora	09/07/2014	14.35		Continued.	Attending CTR Fire System Nitrogen Leakage.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Lonikand -Theur - II	09/07/2014	10.30		Continued.	C & R Panel Replacement,Taken on TBC 2 Days.
Nivali-Pawas	14/07/2014	10.28	14/07/2014	17.05	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	12/07/2014	17.09	14/07/2014	06.27	Over voltage
Karad - Kolhapur - I	13/07/2014	16.12	14/07/2014	09.29	Over Voltage
Karad-Jaigad I	13/07/2014	16.27	14/07/2014	10.03	Over Voltage
Lonikand- Koyna Stage IV	13/07/2014	22.46	14/07/2014	07.48	Over Voltage
New Koyna - Karad - I	14/07/2014	02.52	14/07/2014	09.46	Over Voltage
Karad - Kolhapur - I	14/07/2014	16.10		Continued.	Over Voltage
Karad-Jaigad I	14/07/2014	17.07		Continued.	Over Voltage
Bhusawal- Aurangabad	14/07/2014	18.49		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	28/04/2014	01.14		Continued.	To Control O/L of 220KV Paras-ChiKhli
Aurangabad - Babaleshwar	14/07/2014	22.31	15/07/2014	01.04	Hot Spot
Voltage Level : 400KV			Outage Type TRIPPED		
400 KV TBC @ Lonikand	12/07/2014	7.36		Continued.	y-ph ct bust due to this all line and equip
Voltage Level : 220KV			Outage Type TRIPPED		
Pusad - Ghatodi	12/06/2014	17.40		Continued.	At loc.no 27,28 D/C tower 220KV Nanded-Ghatodi & 220KV Pusad-Ghatodi Collapsed(Line taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)
Nanded - Ghatodi	12/06/2014	17.40		Continued.	Dist.Prot,optd.Z-I at loc.no 27,28 D/C tower 220KV Nanded-Ghatodi & 220KV Pusad-Ghatodi Collapsed(Line taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jul/2014

Position as on 6.30 Hrs of 15/Jul/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Aurangabad-Jalna-II	02/07/2014	14.33		Continued.	Heavy Rain @ Aurangabad S/S load Trimming Schem Operated,Ckt Charged from Chikhli End @ 15.15 Hrs DT 2.7.14.
Chandrapur - Warora - II.	15/07/2014	02.40		Continued.	Tripped at Warora end only
Voltage Level : 132KV			Outage Type TRIPPED		
Buldhana-Motala	14/07/2014	03.00	14/07/2014	10.32	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Jul/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	160
	620	310
Bhusawal		
Unit 2	210	138
Unit 3	210	0
Unit 4	500	309
Unit 5	500	331
	1420	778
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	155
Unit 6	250	175
Unit 7	250	174
	1130	504
Chandrapur		
Unit 1	210	135
Unit 2	210	155
Unit 3	210	0
Unit 4	210	170
Unit 5	500	410
Unit 6	500	400
Unit 7	500	0
	2340	1270
Paras		
Unit 3	250	200
Unit 4	250	0
	500	200
Khaparkheda		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	850
Nasik		
Unit 3	210	0
Unit 4	210	198
Unit 5	210	190
	630	388
Uran		
All Units	852	590
	852	590
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	17
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	9
ELDARY	23	
SMLHY PTN	12	10
GHATGHAR	250	
	611	211
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	1215
WARDHA	405	195
Adani	2640	1851
Other CPPs	300	745
	4545	4006
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4941
	3455	4941