



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Jul/2014

State Load Dispatch Center,Airoli (MSETCL)
Daily system Report for 06/Jul/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	108.478	666.164	1) Gujrat	-1.139	8.531
2) Hydro	3.286	31.504	2) Madhya Pradesh	15.458	109.718
3) Gas	10.203	54.476	3) Chattisgarh	7.540	51.970
Total MSGENCO	121.967	752.144	4) Maharashtra Net	85.272	530.601
B) 1) JSW JAIGAD	25.571	158.291	(Incl. 765kV Solapur-Raichur)	-6.757	-34.006
2) WPCL	2.163	13.215	5) Goa	-6.160	-41.872
3) ADANI	57.465	313.145	6) TAPS 1&2 Injection	7.215	43.664
4) Other CPP / IPP	18.788	108.793	7) RGPPL Injection	0.000	0.000
5) Wind Generation	28.019	182.144	8) Pench (Excess)	-0.120	-0.453
6) PENCH (MS)	0.120	0.453	# Total Cent. Sector	108.066	702.159
7) SOLAR	1.003	6.026	F) Other Exchanges		
C) 1) TPCL Thermal	19.412	115.001	1) With TPCL (Excess)	-18.864	-149.389
2) TPCL Hydro	0.829	11.924	G) Bilateral Power *		
TOTAL TPCL	20.241	126.925	1) MSEDCL Bilateral	38.535	237.422
3) REL Thermal	12.423	74.145	Include PX	11.869	84.266
D) STATE			2) MUMBAI Bilateral	19.702	154.104
1) Thermal (A1+C1+C3)	140.313	855.310	Include PX	1.238	13.924
2) Hydro (A2+B6+C2)	4.235	43.881	3) MUMBAI Schedule	19.702	155.244
3) Gas (A3)	10.203	54.476	H) ENERGY CATERED (MUs)		
4) Wind (B5)	28.019	182.144	1) MSEDCL	344.298	2086.981
5) CPP/IPP (B1+B2+B3+B4)	103.987	593.444	2) TPCL	31.967	220.817
6) SOLAR (B7)	1.003	6.026	3) REL	19.559	129.636
TOTAL STATE	287.760	1735.281	TOTAL STATE	395.824	2437.434

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4466	4983	4444
MSGENCO Hydro	174	83	73
MSGENCO Gas	421	419	431
MSGENCO Total Generation	5061	5485	4948
Central Sector Receipt	5605	5369	4094
WIND	770	660	1349
CPP / IPP	4440	4363	4046
SOLAR	131	142	0
Exchange with Mumbai	-857	-867	-560
MSEDCL DEMAND MET	15150	15152	13877
Load Shedding	128	77	53
MSEDCL DEMAND	15278	15229	13930
TPCL GENERATION	887	822	827
R-INFRA GENERATION	520	520	521
TPCL+R-INFRA DEMAND	2264	2209	1908
STATE DEMAND MET	17414	17361	15785
STATE DEMAND	17542	17438	15838
Frequency (Hz)	49.94	50.02	49.85

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.24 Hz at 17:54 Hrs	49.49 Hz at 00:00 Hrs	49.92	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 06/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	0.00	4.03	0	0	0
Unit 7	3.89	21.43	182	135	160
Total	3.89	25.45			160
Bhusawal					
Unit 2	1.47	18.02	135	0	123
Unit 3	3.06	18.14	135	115	132
Unit 4	8.49	53.08	465	290	368
Unit 5	7.99	49.32	360	285	354
Total	21.00	138.56			977
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.54	6.97	163	140	140
Unit 6	4.73	26.61	250	184	185
Unit 7	4.69	26.93	250	185	185
Total	12.96	60.51			510
Chandrapur					
Unit 1	2.94	17.72	126	120	125
Unit 2	3.74	19.36	160	152	155
Unit 3	0.00	18.76	0	0	0
Unit 4	4.61	27.00	200	178	195
Unit 5	10.82	61.96	460	430	445
Unit 6	8.88	53.52	405	295	395
Unit 7	0.00	0.00	0	0	0
Total	30.98	198.32			1315
Paras					
Unit 3	4.58	24.78	205	172	189
Unit 4	4.36	28.17	234	0	223
Total	8.94	52.96			412
Khaparkheda					
Unit 1	0.20	0.20	65	0	0
Unit 2	3.74	22.18	175	150	160
Unit 3	3.85	23.00	185	153	170
Unit 4	3.77	22.74	190	151	170
Unit 5	8.44	51.74	500	319	350
Total	20.01	119.86			850
Nasik					
Unit 3	4.44	25.93	190	175	190
Unit 4	4.48	26.40	196	174	198
Unit 5	1.76	18.18	193	0	0
Total	10.69	70.51			388
Uran					
All Units	10.20	54.48	434	418	450
Total	10.20	54.48			450
PENCH (MS)					
Pench (MS)	0.12	0.45	27	0	0
Total	0.12	0.45			0
Koyna					
Stage 1-2	1.06	11.68	85	40	600
Stage 4	0.00	0.58	0	0	250
Stage 3	0.29	2.99	112	0	240
Kovna 12&4 Total	1.06	12.26			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.36	15.24			1090
Hydro					
KDPH	0.19	2.18	9	7	19
VTRNA	0.51	2.93	61	0	61
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.08	0.30	40	0	40
RNGR+BHTSA	0.26	0.58	11	10	11
BHANDARDRA	0.20	0.60	9	8	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.19	1.74	15	5	8
GHATGHAR	0.50	7.92	120	0	0
Total	1.93	16.26			139
Wind					
MalharPeth	0.84	5.17			
Vankuswadi	1.74	9.69			
ATIT	0.22	1.17			
Kale	0.58	3.04			
Satara	10.63	69.37			
Shirala	0.76	3.84			
K Mahankal	0.05	0.34			
Supa	0.17	1.31			
Vita	1.90	14.42			
Dondaicha	7.92	50.75			
Sakri	0.80	6.98			
Nandurbar	0.83	5.46			
Khandke	0.56	4.17			
Khaparale	1.03	6.42			
Total	28.02	182.14			
CPP					
JSW JAIGAD	25.57	158.29	1164	865	1060
WARDHA	2.16	13.22	94	83	88
Adani	57.46	313.14	2518	2279	2446
Other CPPs	18.79	98.12			745
Total	103.99	582.77			4339
SOLAR					
Total	1.00	6.03			
Total	1.00	6.03			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.70	69.07	503	424	500
Trombay 6	3.71	24.01	156	154	500
Trombay 7A	2.50	13.44	115	97	120
Trombay 7B	1.50	8.48	66	60	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	0.83	11.92	156	0	447
Total	20.24	126.92			1627
REL					
1&2	12.42	74.14	523	462	500
Total	12.42	74.14			500
Cent Sect					
Share					5451
Total					5451
MS PG CL	Thermal	108.48	666.16		4612
	Thml+Gas	118.68	720.64		5062
	Hydro	3.29	31.50		1229
	Total	121.97	752.14		6291
State Total		287.76	1735.28		18208

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/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	4438	251	432	5121	1517	4331	0	4400	4107	-850	-847	14249	80	14329	2253	16582	49.77
2	4479	74	434	4987	1480	4314	0	4416	4045	-838	-774	14059	53	14112	2117	16229	49.83
3	4441	74	432	4947	1470	4296	0	4374	3985	-796	-631	14067	53	14120	1982	16102	49.77
4	4444	73	431	4948	1349	4046	0	4337	4094	-668	-560	13877	53	13930	1908	15838	49.85
5	4520	73	429	5022	1247	4264	0	4389	4455	-653	-603	14385	53	14438	1883	16321	49.88
6	4525	73	428	5026	1151	4140	0	4609	4733	-703	-585	14478	64	14542	1904	16446	49.93
7	4520	83	426	5029	958	4308	5	4613	4697	-787	-493	14527	80	14607	1850	16457	49.92
8	4510	290	427	5227	752	4362	24	4812	5114	-832	-532	14974	81	15055	1883	16938	49.91
9	4523	360	426	5309	817	4370	51	4838	4790	-868	-635	14729	71	14800	1976	16776	49.89
10	4529	306	424	5259	811	4409	91	5262	5377	-886	-763	15187	65	15252	2103	17355	49.91
11	4435	163	419	5017	813	4361	124	5489	5592	-882	-862	15045	70	15115	2216	17331	49.91
12	4466	174	421	5061	770	4440	131	5505	5605	-899	-857	15150	128	15278	2264	17542	49.94
13	4913	163	422	5498	577	4387	136	5340	5399	-892	-895	15102	153	15255	2238	17493	50.02
14	4983	83	419	5485	660	4363	142	5133	5369	-882	-867	15152	77	15229	2209	17438	50.02
15	4856	72	419	5347	854	4392	110	5213	5114	-864	-871	14946	61	15007	2205	17212	50.01
16	4572	82	421	5075	1123	4424	91	5488	5322	-844	-863	15172	58	15230	2197	17427	49.99
17	4481	72	422	4975	1332	4362	63	4874	4656	-798	-827	14561	60	14621	2166	16787	50.02
18	4487	75	422	4984	1646	4092	30	3813	3623	-675	-825	13550	59	13609	2135	15744	50.04
19	4539	139	424	5102	1751	4068	5	3480	2864	-659	-931	12859	56	12915	2138	15053	50.04
20	4365	147	418	4930	1646	4406	0	4071	3524	-794	-948	13558	60	13618	2265	15883	49.87
21	4351	145	419	4915	1568	4570	0	4096	3817	-932	-899	13971	60	14031	2357	16388	49.81
22	4347	139	431	4917	1427	4397	0	4058	3849	-904	-914	13676	58	13734	2415	16149	49.92
23	4384	99	428	4911	1229	4493	0	4114	4084	-935	-924	13793	53	13846	2425	16271	49.83
24	4370	76	429	4875	1071	4392	0	4179	3851	-862	-958	13231	53	13284	2439	15723	49.94
MUs	108.48	3.29	10.20	121.97	28.02	103.99	1.00	110.90	108.07	-19.70	-18.86	344.30	1.66	345.96	51.53	397.48	49.92

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 06/Jul/2014

Position as on 6.30 Hrs of 07/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	
Khaparkheda Unit 1	210	05/06/2014	04.59	06/07/2014	20.37	C.O.H.	
Chandrapur Unit 7	500	19/06/2014	06.00		Continued.	A/OH.	
Koyna Unit 12	80	23/06/2014	07.50		Continued.	AOH.	07/07/2014
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 WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
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.	
Uran Unit 5	108	23/06/2014	21.33		Continued.	For Changeover.	
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	
Nasik Unit 5	210	04/07/2014	19:35	06/07/2014	12.45	BTL	
Koradi Unit 6	210	05/07/2014	10.46	07/07/2014	03.17	flame failure	
Koradi Unit 6	210	05/07/2014	10.48	07/07/2014	03.19	flem Fauilar	
Chandrapur Unit 3	210	05/07/2014	22.56		Continued.	due to work of safty valve	
Bhusawal Unit 2	210	06/07/2014	11.17		Continued.	ID Fan Problem	
Paras Unit 4	250	06/07/2014	19.26		Continued.	Boiler Tube Leakage	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 06/Jul/2014

Position as on 6.30 Hrs of 07/Jul/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalmeshwar - Pandurna	06/07/2014	08.23	06/07/2014	17.39	Conversion of SSN to DSN
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	05/07/2014	16.36	06/07/2014	10.21	over voltage
Kolhapur - Mapusa - II	06/07/2014	16.11		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	03/07/2014	06.28		Continued.	Distance Protection.
765 KV Aurangabad PG - Wardha PG - II	06/07/2014	22.27		Continued.	Distance Protection
IntraState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalwa - Salshet - III	06/07/2014	06.07	06/07/2014	20.20	Relay Work
Chandrapur - Warora	06/07/2014	07.00	06/07/2014	16.31	OPGW and E/W replacement work
Chandrapur-Wani	06/07/2014	07.03	06/07/2014	16.38	OPGW and E/W replacement work
Khaparkheda-Kawlewada-I	06/07/2014	08.43	06/07/2014	12.33	Conversion of STN to DTN
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	05/07/2014	17.25	06/07/2014	07.46	over voltage
Bhusawal- Aurangabad	05/07/2014	18.12	06/07/2014	11.08	over voltage
Karad - Kolhapur - I	06/07/2014	16.09		Continued.	Over Voltage
Bhusawal- Aurangabad	06/07/2014	17.11		Continued.	Over Voltage
Karad-Jaigad I	06/07/2014	18.54		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
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)
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.
Voltage Level : 132KV			Outage Type TRIPPED		
Chitegaon-Paithan	06/07/2014	06.16		Continued.	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 07/Jul/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	70
Unit 7	210	175
	620	245
Bhusawal		
Unit 2	210	0
Unit 3	210	130
Unit 4	500	323
Unit 5	500	329
	1420	782
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	150
Unit 6	250	185
Unit 7	250	185
	1130	520
Chandrapur		
Unit 1	210	145
Unit 2	210	160
Unit 3	210	0
Unit 4	210	210
Unit 5	500	450
Unit 6	500	400
Unit 7	500	0
	2340	1365
Paras		
Unit 3	250	210
Unit 4	250	0
	500	210
Khaparkheda		
Unit 1	210	100
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	950
Nasik		
Unit 3	210	190
Unit 4	210	198
Unit 5	210	190
	630	578
Uran		
All Units	852	450
	852	450
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	19
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	11
BHANDARDRA	45	10
ELDARY	23	0
SMLHY PTN	12	8
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	1060
WARDHA	405	88
Adani	2640	2446
Other CPPs	300	745
	4545	4339
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4832
	3455	4832

	21940	17637
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