



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Jun/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Jun/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.134	1739.286	1) Gujrat	5.990	69.754
2) Hydro	3.077	77.660	2) Madhya Pradesh	19.107	294.797
3) Gas	10.853	178.971	3) Chattisgarh	8.730	143.850
Total MSGENCO	125.064	1995.917	4) Maharashtra Net	83.545	1365.252
B) 1) JSW JAIGAD	24.045	360.283	(Incl. 765kV Solapur-Raichur)	-1.761	3.139
2) WPCL	0.000	7.169	5) Goa	-6.333	-99.858
3) ADANI	37.862	546.520	6) TAPS 1&2 Injection	6.658	97.723
4) Other CPP / IPP	20.450	245.472	7) RGPPL Injection	0.000	0.000
5) Wind Generation	33.248	341.697	8) Pench (Excess)	-0.037	-2.729
6) PENCH (MS)	0.037	2.729	# Total Cent. Sector	117.660	1868.789
7) SOLAR	0.871	14.975	F) Other Exchanges		
C) 1) TPCL Thermal	18.538	297.214	1) With TPCL (Excess)	-22.340	-405.378
2) TPCL Hydro	0.628	64.405	G) Bilateral Power *		
TOTAL TPCL	19.166	361.619	1) MSEDCL Bilateral	31.283	435.547
3) REL Thermal	11.944	185.367	Include PX	6.455	98.026
D) STATE			2) MUMBAI Bilateral	20.910	366.976
1) Thermal (A1+C1+C3)	141.616	2221.867	Include PX	1.110	72.833
2) Hydro (A2+B6+C2)	3.742	144.794	3) MUMBAI Schedule	20.910	371.228
3) Gas (A3)	10.853	178.971	H) ENERGY CATERED (MUs)		
4) Wind (B5)	33.248	341.697	1) MSEDCL	336.897	4978.173
5) CPP/IPP (B1+B2+B3+B4)	82.357	1159.444	2) TPCL	33.143	601.629
6) SOLAR (B7)	0.871	14.975	3) REL	20.304	350.639
TOTAL STATE	272.687	4061.748	TOTAL STATE	390.344	5930.441

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	4989	4551	4630
MSGENCO Hydro	164	104	57
MSGENCO Gas	442	446	457
MSGENCO Total Generation	5595	5101	5144
Central Sector Receipt	5349	5461	4950
WIND	1434	1694	1059
CPP / IPP	3604	3565	3467
SOLAR	121	61	0
Exchange with Mumbai	-900	-1162	-682
MSEDCL DEMAND MET	15203	14720	13938
Load Shedding	129	62	51
MSEDCL DEMAND	15332	14782	13989
TPCL GENERATION	847	697	841
R-INFRA GENERATION	521	457	521
TPCL+R-INFRA DEMAND	2268	2316	2044
STATE DEMAND MET	17471	17036	15982
STATE DEMAND	17600	17098	16033
Frequency (Hz)	49.85	50.00	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.39 Hz at 17.54 Hrs	49.66 Hz at 20.41 Hrs	49.97	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/Jun/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.31	9.16	155	120	150
Unit 6	2.50	50.90	156	0	150
Unit 7	0.72	42.32	155	0	0
Total	6.53	102.39			300
Bhusawal					
Unit 2	0.00	4.40	0	0	0
Unit 3	3.39	48.49	155	135	140
Unit 4	8.40	125.62	445	310	350
Unit 5	7.74	116.46	370	300	330
Total	19.53	294.96			820
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	45.06	0	0	0
Unit 5	3.85	21.72	166	155	155
Unit 6	4.59	70.34	225	173	190
Unit 7	4.37	68.34	225	175	175
Total	12.81	205.46			520
Chandrapur					
Unit 1	3.23	46.80	137	130	140
Unit 2	3.73	29.52	160	141	160
Unit 3	3.95	43.71	171	156	160
Unit 4	4.18	64.75	194	162	200
Unit 5	0.00	114.93	0	0	0
Unit 6	9.14	107.84	414	354	380
Unit 7	6.03	102.78	283	220	250
Total	30.26	510.34			1290
Paras					
Unit 3	4.53	52.61	199	177	200
Unit 4	5.27	79.54	242	181	250
Total	9.80	132.15			450
Khaparkheda					
Unit 1	0.00	14.12	0	0	0
Unit 2	3.72	54.26	170	140	160
Unit 3	3.74	60.44	175	142	170
Unit 4	3.72	42.31	194	139	170
Unit 5	8.10	128.07	450	300	350
Total	19.28	299.19			850
Nasik					
Unit 3	4.16	65.36	185	165	190
Unit 4	4.42	67.85	194	170	200
Unit 5	4.35	61.58	192	170	190
Total	12.93	194.80			580
Uran					
All Units	10.85	178.97	467	441	605
Total	10.85	178.97			605
PENCH (MS)					
Pench (MS)	0.04	2.73	27	0	
Total	0.04	2.73			
Koyna					
Stage 1-2	1.01	19.94	50	40	600
Stage 4	0.00	5.40	0	0	250
Stage 3	0.12	5.76	78	0	320
Kovna 12&4 Total	1.01	25.34			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.13	31.10			1170
Hydro					
KDPH	0.09	1.52	10	0	11
VTRNA	0.94	17.14	61	0	61
TILLARI	0.00	0.12	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.18	3.54	40	0	40
RNGR+BHTSA	0.25	3.55	12	10	11
BHANDARDRA	0.00	0.82	0	0	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.22	4.68	17	7	12
GHATGHAR	0.26	15.19	125	0	0
Total	1.95	46.56			165
Wind					
MalharPeth	0.74	5.93			
Vankuswadi	1.60	9.98			
ATIT	0.26	1.78			
Kale	0.47	4.32			
Satara	16.51	137.80			
Shirala	0.67	6.24			
K Mahankal	0.11	1.16			
Supa	0.29	2.95			
Vita	3.39	30.66			
Dondaicha	5.36	94.71			
Sakri	0.98	13.58			
Nandurbar	0.44	8.84			
Khandke	1.50	10.90			
Khaparale	0.92	12.86			
Total	33.25	341.70			
CPP					
JSW JAIGAD	24.04	360.28	1129	822	
WARDHA	0.00	7.17	0	0	
Adani	37.86	546.52	1756	1321	
Other CPPs	20.45	245.47			
Total	82.36	1159.44			
SOLAR					
Total	0.87	14.98			
Total	0.87	14.98			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.66	173.79	501	318	500
Trombay 6	3.54	60.52	158	0	500
Trombay 7A	2.76	40.30	123	86	120
Trombay 7B	1.58	22.60	69	57	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	0.63	64.40	126	0	447
Total	19.17	361.62			1627
REL					
1&2	11.94	185.37	523	451	500
Total	11.94	185.37			500
Cent Sect					
Share					5410
Total					5410
MS PG CL	Thermal	111.13	1739.29		4810
	Thml+Gas	121.99	1918.26		5415
	Hydro	3.08	77.66		1335
	Total	125.06	1995.92		6750
State Total		272.69	4061.75		14287

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/Jun/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	4687	118	466	5271	1372	3558	0	5191	5263	-1062	-1078	14386	82	14468	2458	16926	49.96
2	4673	118	467	5258	1288	3529	0	5051	5219	-986	-962	14332	51	14383	2311	16694	49.96
3	4643	59	464	5166	1211	3526	0	4863	4877	-898	-880	13900	51	13951	2199	16150	50.01
4	4617	57	460	5134	1107	3469	0	4717	5082	-875	-777	14015	51	14066	2111	16177	49.96
5	4630	57	457	5144	1059	3467	0	4748	4950	-854	-682	13938	51	13989	2044	16033	49.97
6	4640	62	459	5161	1037	3471	0	4902	5071	-816	-678	14062	55	14117	2041	16158	50.01
7	4602	62	458	5122	1066	3503	7	4788	5283	-880	-625	14356	68	14424	1985	16409	50.04
8	4585	57	462	5104	1034	3573	26	4790	5025	-882	-598	14164	68	14232	1962	16194	50.07
9	4607	133	456	5196	1239	3691	64	4899	5055	-871	-630	14615	64	14679	1996	16675	50.04
10	4610	168	450	5228	1268	3547	96	5310	4892	-785	-731	14300	61	14361	2097	16458	50.02
11	4626	168	441	5235	1281	3533	119	5467	5377	-768	-859	14686	56	14742	2228	16970	49.79
12	4835	164	444	5443	1262	3726	133	5448	5127	-825	-910	14781	72	14853	2280	17133	49.90
13	4989	164	442	5595	1434	3604	121	5429	5349	-825	-900	15203	129	15332	2268	17600	49.85
14	4655	172	442	5269	1415	3565	102	5100	5281	-825	-901	14731	77	14808	2267	17075	49.89
15	4652	332	442	5426	1556	3528	68	5239	4931	-850	-951	14558	73	14631	2293	16924	49.89
16	4551	104	446	5101	1694	3565	61	5537	5461	-877	-1162	14720	62	14782	2316	17098	50.00
17	4548	88	446	5082	1739	3300	48	4886	4801	-836	-1170	13800	68	13868	2242	16110	50.09
18	4569	137	446	5152	1869	3073	20	4093	3802	-776	-1058	12858	69	12927	2195	15122	50.16
19	4555	138	448	5141	1770	3062	6	3880	3439	-745	-1039	12379	66	12445	2191	14636	50.03
20	4484	138	448	5070	1566	3155	0	4519	4332	-806	-1042	13089	62	13151	2336	15487	49.93
21	4536	133	448	5117	1740	3153	0	4620	4680	-860	-1095	13622	59	13681	2382	16063	49.82
22	4565	133	459	5157	1530	3305	0	4801	4229	-909	-1113	13110	59	13169	2387	15556	49.88
23	4621	133	451	5205	1411	3206	0	4816	5068	-1002	-1275	13615	58	13673	2433	16106	49.98
24	4654	182	451	5287	1300	3248	0	4793	5066	-1098	-1224	13677	58	13735	2428	16163	49.92
MUs	111.13	3.08	10.85	125.06	33.25	82.36	0.87	117.89	117.66	-20.91	-22.34	336.90	1.57	338.47	53.45	391.92	49.97

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/Jun/2014

Position as on 6.30 Hrs of 16/Jun/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		Continued.	C.O.H.	
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).	
Bhusawal Unit 2	210	02/06/2014	09.02		Continued.	Air Heater Problem.	
CPP WPCL U-3	135	04/06/2014	00.12		Continued.	Coal Shortage.	
Uran Unit 8	108	10/06/2014	08.42		Continued.	Gas Shortage.	
Koradi Unit 7	210	11/06/2014	21.50	15/06/2014	16.12	BLR T/L.	
CPP Adani U-3	660	12/06/2014	03.02		Continued.	BLR T/L.	
Chandrapur Unit 5	500	12/06/2014	19.14		Continued.	BLR T/L.	
Parli Unit 4	210	14/06/2014	01.05		Continued.	Economiser tube Leakage.	
Koradi Unit 6	210	15/06/2014	18.27		Continued.	Plant Maint.work	
Tata Trombay 6	500	15/06/2014	22.48		Continued.	Generator Protection	
CPP IPL U-2	270	16/06/2014	00.26		Continued.	Coal Shortage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jun/2014

Position as on 6.30 Hrs of 16/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kalwa - Talegaon (PGCIL)	15/06/2014	07.02	15/06/2014	15.55	Maint.work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Bhoisor-Bhoisor(PGCIL)-I	15/06/2014	07.52	15/06/2014	12.42	E/W replacement work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	14/06/2014	17.22	15/06/2014	09.52	Over Voltage
Kolhapur - Mapusa - II	15/06/2014	16.40		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	15/06/2014	17.44		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Talegaon(PG) - Parli (PG) - I	04/06/2014	17.36		Continued.	Dist Prot.10Nos tower collapsed
Talegaon (PG - Parli (PG) - II	04/06/2014	17.36		Continued.	Dist Prot.10Nos tower collapsed
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari-I	15/06/2014	02.57	15/06/2014	11.00	Distance Protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500 MVA ICT I at Kalwa	15/06/2014	06.18	15/06/2014	14.15	Repl.of 33KV PT
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/110 KV 200 MVA T/F - I @ Mudsinghi	07/06/2014	16.00		Continued.	Neutral problem(Kept on Humming)
Lonikand -Theur - II	14/06/2014	11.27	15/06/2014	12.40	Isolator replacement work
Babhaleshwar-Nasik-II	14/06/2014	18.00	15/06/2014	00.13	B Phase CT Leakage
220/132 KV 200 MVA ICT - II @ Parbhani	15/06/2014	07.09	15/06/2014	08.08	Alignment of HV side Aux.Isolator
220/132 KV 200 MVA ICT @ Kawlewada	15/06/2014	08.56	15/06/2014	16.01	Oil Leakage
Ghodbandar - Bhoisor (MSETCL)	15/06/2014	13.26	15/06/2014	18.02	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV ICT- I @ Lonikand	13/06/2014	12:42		Continued.	B ph Bus CT Oil leakage, ICT on TBC.
Khadka - Deepnagar - II	15/06/2014	04.01	16/06/2014	06.05	Tie CB SF6 Gas refilling work
Karad-Kolhapur-II	15/06/2014	16.02		Continued.	Over Voltage
Karad-Jaigad I	15/06/2014	18.16		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 : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	11/06/2014	10.04		Continued.	While shifting Bus I to Bus II, R-Ph Pole of TBC Burst(RFC 10.53 Hrs)
Deepnagar-Tapitatanda	11/06/2014	15.27		Continued.	D/P,Tower Collapse at Loc no 178 & 179.
Deepnagar-A'bad	11/06/2014	15.27		Continued.	D/P,Tower Collapse at Loc no 178 & 179.
Voltage Level : 220KV			Outage Type TRIPPED		
Chikhali - Jalna - II	08/06/2014	00.53		Continued.	Distance Protection(Charged from Jalna end only at 21.00Hrs)
Pusad - Ghatodi	12/06/2014	17.40		Continued.	At loc.no 27,28 D/C tower 220KV

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jun/2014

Position as on 6.30 Hrs of 16/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Nanded - Ghatodi	12/06/2014	17.40		Continued.	Nanded-Ghatodi & 220KV Pusad-Ghatodi Collapsed(Line taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)
					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)
Karad - Sadawaghapur - I	15/06/2014	20.49		Continued.	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Pardi- Besa	14/06/2014	19.04	15/06/2014	01.13	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Jun/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	160
Unit 6	210	0
Unit 7	210	145
	620	305
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	350
Unit 5	500	310
	1420	800
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	150
Unit 6	250	188
Unit 7	250	175
	1130	513
Chandrapur		
Unit 1	210	140
Unit 2	210	150
Unit 3	210	175
Unit 4	210	200
Unit 5	500	0
Unit 6	500	420
Unit 7	500	250
	2340	1335
Paras		
Unit 3	250	210
Unit 4	250	250
	500	460
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	190
Unit 4	210	200
Unit 5	210	190
	630	580
Uran		
All Units	852	470
	852	470
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	11
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	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	121
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	1097
WARDHA	405	0
Adani	2640	1823
Other CPPs	300	665
	4545	3585
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	5344
	3455	5344