



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Jun/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Jun/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	119.385	1858.671	1) Gujrat	6.672	76.426
2) Hydro	4.017	81.677	2) Madhya Pradesh	21.668	316.465
3) Gas	10.909	189.880	3) Chattisgarh	9.610	153.460
Total MSGENCO	134.311	2130.228	4) Maharashtra Net	82.680	1447.932
B) 1) JSW JAIGAD	24.111	384.394	(Incl. 765kV Solapur-Raichur)	-3.085	0.054
2) WPCL	0.000	7.169	5) Goa	-6.687	-106.545
3) ADANI	41.891	588.411	6) TAPS 1&2 Injection	6.863	104.586
4) Other CPP / IPP	17.212	262.684	7) RGPPL Injection	0.000	0.000
5) Wind Generation	26.718	368.415	8) Pench (Excess)	-0.006	-2.735
6) PENCH (MS)	0.006	2.735	# Total Cent. Sector	120.800	1989.589
7) SOLAR	0.710	15.685	F) Other Exchanges		
C) 1) TPCL Thermal	18.254	315.468	1) With TPCL (Excess)	-27.810	-433.188
2) TPCL Hydro	3.835	68.240	G) Bilateral Power *		
TOTAL TPCL	22.089	383.708	1) MSEDCL Bilateral	22.311	457.859
3) REL Thermal	12.424	197.791	Include PX	2.993	101.019
D) STATE			2) MUMBAI Bilateral	26.099	393.076
1) Thermal (A1+C1+C3)	150.063	2371.930	Include PX	2.697	75.530
2) Hydro (A2+B6+C2)	7.858	152.652	3) MUMBAI Schedule	26.099	397.327
3) Gas (A3)	10.909	189.880	H) ENERGY CATERED (MUs)		
4) Wind (B5)	26.718	368.415	1) MSEDCL	337.949	5316.122
5) CPP/IPP (B1+B2+B3+B4)	83.214	1242.658	2) TPCL	39.593	641.222
6) SOLAR (B7)	0.710	15.685	3) REL	22.731	373.370
TOTAL STATE	279.472	4341.220	TOTAL STATE	400.273	6330.714

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5055	5214	4628
MSGENCO Hydro	445	251	68
MSGENCO Gas	447	445	464
MSGENCO Total Generation	5947	5910	5160
Central Sector Receipt	5182	5630	4899
WIND	1238	1183	1031
CPP / IPP	3724	3600	3137
SOLAR	107	48	0
Exchange with Mumbai	-1388	-1318	-954
MSEDCL DEMAND MET	14810	15053	13273
Load Shedding	576	76	42
MSEDCL DEMAND	15386	15129	13315
TPCL GENERATION	1205	1214	497
R-INFRA GENERATION	522	521	500
TPCL+R-INFRA DEMAND	3115	3053	1951
STATE DEMAND MET	17925	18106	15224
STATE DEMAND	18501	18182	15266
Frequency (Hz)	49.84	49.82	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 07.54 Hrs	49.6 Hz at 12.39 Hrs	49.9	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 16/Jun/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.56	12.72	160	135	160
Unit 6	0.00	50.90	0	0	0
Unit 7	3.80	46.12	190	130	145
Total	7.36	109.75			305
Bhusawal					
Unit 2	0.00	4.40	0	0	0
Unit 3	3.16	51.65	145	110	140
Unit 4	9.16	134.78	500	340	350
Unit 5	8.26	124.71	425	305	310
Total	20.57	315.53			800
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.01	45.07	6	0	0
Unit 5	3.71	25.43	163	137	150
Unit 6	4.71	75.05	250	166	188
Unit 7	4.42	72.76	235	167	175
Total	12.85	218.30			513
Chandrapur					
Unit 1	3.22	50.02	138	127	140
Unit 2	3.70	33.22	160	142	150
Unit 3	4.04	47.75	174	162	175
Unit 4	4.55	69.30	200	170	200
Unit 5	3.69	118.62	415	0	0
Unit 6	9.28	117.13	405	360	420
Unit 7	6.66	109.44	327	225	250
Total	35.14	545.48			1335
Paras					
Unit 3	5.05	57.66	223	189	210
Unit 4	5.86	85.40	258	200	250
Total	10.91	143.06			460
Khaparkheda					
Unit 1	0.00	14.12	0	0	0
Unit 2	3.81	58.07	170	140	160
Unit 3	3.96	64.39	209	146	170
Unit 4	4.03	46.34	210	143	170
Unit 5	7.88	135.95	460	270	350
Total	19.68	318.87			850
Nasik					
Unit 3	4.26	69.62	185	170	190
Unit 4	4.34	72.18	190	173	200
Unit 5	4.28	65.87	191	168	190
Total	12.88	207.67			580
Uran					
All Units	10.91	189.88	465	443	470
Total	10.91	189.88			470
PENCH (MS)					
Pench (MS)	0.01	2.74	6	0	
Total	0.01	2.74			
Koyna					
Stage 1-2	1.03	20.98	50	40	600
Stage 4	0.00	5.40	0	0	250
Stage 3	0.18	5.93	80	0	320
Kovna 12&4 Total	1.03	26.37			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.21	32.30			1170
Hydro					
KDPH	0.23	1.75	10	9	11
VTRNA	0.76	17.91	61	0	61
TILLARI	0.00	0.12	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.09	3.63	40	0	40
RNGR+BHTSA	0.25	3.80	12	10	0
BHANDARDRA	0.00	0.82	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.16	4.84	15	4	9
GHATGHAR	1.32	16.51	250	0	0
Total	2.81	49.37			121
Wind					
MalharPeth	0.81	6.74			
Vankuswadi	1.46	11.43			
ATIT	0.28	2.06			
Kale	0.49	4.81			
Satara	15.42	153.23			
Shirala	0.71	6.95			
K Mahankal	0.10	1.26			
Supa	0.37	3.32			
Vita	3.46	34.13			
Dondaicha	1.13	95.84			
Sakri	0.45	14.03			
Nandurbar	0.05	8.88			
Khandke	1.35	12.25			
Khaparale	0.62	13.48			
Total	26.72	368.42			
CPP					
JSW JAIGAD	24.11	384.39	1205	790	1097
WARDHA	0.00	7.17			0
Adani	41.89	588.41	1964	1496	1823
Other CPPs	17.21	262.68			665
Total	83.21	1242.66			3585
SOLAR					
Total	0.71	15.68			
Total	0.71	15.68			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.00	184.78	501	316	500
Trombay 6	2.74	63.26	157	0	500
Trombay 7A	2.89	43.19	124	114	120
Trombay 7B	1.63	24.23	69	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.84	68.24	373	0	447
Total	22.09	383.71			1627
REL					
1&2	12.42	197.79	525	493	500
Total	12.42	197.79			500
Cent Sect					
Share					5344
Total					5344
MS PG CL	Thermal	119.38	1858.67		4843
	Thml+Gas	130.29	2048.55		5313
	Hydro	4.02	81.68		1291
	Total	134.31	2130.23		6604
State Total	279.47	4341.22			17660

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/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	4627	193	456	5276	1135	3195	0	5080	5248	-957	-1145	13709	71	13780	2361	16141	49.94
2	4640	111	460	5211	1044	3308	0	4980	5158	-881	-1019	13702	42	13744	2183	15927	49.94
3	4687	63	464	5214	1041	3267	0	4850	5079	-890	-1066	13535	42	13577	2072	15649	50.00
4	4685	63	465	5213	985	3327	0	4838	5126	-868	-1007	13644	42	13686	2000	15686	50.04
5	4628	68	464	5160	1031	3137	0	4780	4899	-865	-954	13273	42	13315	1951	15266	49.99
6	4632	68	463	5163	1003	3581	0	4887	5127	-886	-993	13881	90	13971	1997	15968	49.92
7	4700	68	462	5230	881	3367	13	4939	5109	-966	-841	13759	371	14130	2040	16170	49.98
8	4775	109	463	5347	942	3370	50	4941	4758	-965	-803	13664	401	14065	2140	16205	49.97
9	4834	85	452	5371	1112	3392	61	5027	5107	-1014	-1005	14038	371	14409	2417	16826	49.93
10	4861	298	457	5616	1151	3602	84	5233	5339	-1190	-1175	14617	521	15138	2745	17883	49.85
11	4925	444	451	5820	1267	3650	72	5396	5135	-1267	-1362	14582	566	15148	3067	18215	49.88
12	5055	445	447	5947	1238	3724	107	5384	5182	-1324	-1388	14810	576	15386	3115	18501	49.84
13	5458	90	456	6004	1229	3749	98	5280	4930	-1294	-1381	14629	348	14977	3114	18091	49.79
14	5466	70	444	5980	1198	3707	66	5147	5086	-1235	-1367	14676	180	14856	3062	17918	49.74
15	5537	225	451	6213	1132	3699	61	5218	5180	-1287	-1382	14903	114	15017	3080	18097	49.76
16	5214	251	445	5910	1183	3600	48	5293	5630	-1189	-1318	15053	76	15129	3053	18182	49.82
17	5098	377	452	5927	1355	3399	25	5079	5192	-1130	-1334	14564	78	14642	3018	17660	49.99
18	5110	174	456	5740	1357	3404	17	4567	4374	-1050	-1355	13537	66	13603	2976	16579	50.03
19	5108	137	454	5699	1446	3235	8	4131	4027	-1008	-1271	13144	59	13203	2843	16046	49.94
20	4989	142	444	5575	1337	3040	0	4963	5219	-1115	-1224	13947	18	13965	2768	16733	49.76
21	5109	137	443	5689	1186	3415	0	5014	5039	-1211	-1117	14212	56	14268	2683	16951	49.84
22	5093	127	450	5670	846	3600	0	4868	4751	-1149	-1103	13764	56	13820	2606	16426	49.84
23	5080	132	454	5666	815	3720	0	4906	5126	-1145	-1111	14216	56	14272	2565	16837	49.80
24	5072	140	456	5668	804	3726	0	5153	4979	-1216	-1089	14088	56	14144	2467	16611	49.94
MUs	119.38	4.02	10.91	134.31	26.72	83.21	0.71	119.95	120.80	-26.10	-27.81	337.95	4.30	342.24	62.32	404.57	49.90

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 16/Jun/2014

Position as on 6.30 Hrs of 17/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.	
Koyna ST-IV 1	250	17/06/2014	05.50		Continued.	Replacement Water Drain Valve.(5 Days)	
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.	
CPP Adani U-3	660	12/06/2014	03.02		Continued.	BLR T/L.	
Chandrapur Unit 5	500	12/06/2014	19.14	16/06/2014	11.21	BLR T/L.	
Parli Unit 4	210	14/06/2014	01.05	16/06/2014	23.27	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	16/06/2014	6.11	Generator Protection	
CPP IPL U-2	270	16/06/2014	00.26		Continued.	Coal Shortage.	
Chandrapur Unit 5	500	16/06/2014	11.21	16/06/2014	12.25	Stator E/F.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jun/2014

Position as on 6.30 Hrs of 17/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	15/06/2014	16.40	16/06/2014	08.14	Over Voltage
Dhule-Sar'Sarovar - I	15/06/2014	17.44	16/06/2014	07.20	Over Voltage
Kolhapur-Mapusa-II	16/06/2014	16.57		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
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT - I @ Talandage	16/06/2014	11.22		Continued.	Testing of 33KV PT of NDR Ckt.
400/11.5 KV 80 MVA Stn T/F - I @ Chandrapur	16/06/2014	12.00	16/06/2014	21.05	Testing Work & Miscellaneous Pending Work.
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)
Main Bus @ Lote	16/06/2014	08.25	16/06/2014	14.43	Q.M.Work,Overhauling,Cleaning of Bus Insulator,Attend Hot Spot.
Main Bus Section I & II @ Tilawni	16/06/2014	09.51	16/06/2014	17.07	Attend Hot Spot @ Bus Sec. Iso. & Q.M.Work.
Pawas - Newali	16/06/2014	10.13	16/06/2014	13.55	Premansoon & R.M.Work.
Butibori-III- VIPL -I	16/06/2014	10.47		Continued.	Attending Hot Spot @ VIPL & Butibori S/S
Koradi-Butibori	16/06/2014	10.48	16/06/2014	20.23	Conversion of Stn to DTN & SSN to DTN @ Various Loc.
220/33 KV, 50 MVA T/F @ Mudsingi	16/06/2014	11.26		Continued.	Replacement of HV Side CGL Old CB by Seimens & Testing of TBC Bay.(4 Days).
Talangde-Five star MIDC	16/06/2014	12.07	16/06/2014	14.17	To Attend Hot Spot @ Five Star.
220/132 KV 200 MVA ICT-I @ Harangul	16/06/2014	18.10	16/06/2014	19.34	Differential Relay Testing Work.
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	16/06/2014	06.48	Over Voltage
Karad-Jaigad I	15/06/2014	18.16	16/06/2014	07.11	Over Voltage
Karad-Kolhapur-II	16/06/2014	16.43		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	16/06/2014	22.41	D/P,Tower Collapse at Loc no 178 & 179.
Deepnagar-A'bad	11/06/2014	15.27	16/06/2014	22.35	D/P,Tower Collapse at Loc no 178 & 179.
Voltage Level : 220KV			Outage Type TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jun/2014

Position as on 6.30 Hrs of 17/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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 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)
Karad - Sadawaghapur - I	15/06/2014	20.49		Continued.	Distance Protection
220/22 KV T/F - I @ Nalasopara	16/06/2014	19.29	16/06/2014	19.40	Discom Fault.
220/22 KV T/F - III @ Nalasopara	16/06/2014	19.29	16/06/2014	19.40	Discom Fault.
Voltage Level : 100KV			Outage Type TRIPPED		
Padgha - Sahapur - I	16/06/2014	19.40	16/06/2014	20.08	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Jun/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	135
Unit 6	210	0
Unit 7	210	165
	620	300
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	150
Unit 5	210	155
Unit 6	250	160
Unit 7	250	165
	1130	630
Chandrapur		
Unit 1	210	145
Unit 2	210	160
Unit 3	210	180
Unit 4	210	210
Unit 5	500	425
Unit 6	500	420
Unit 7	500	350
	2340	1890
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	180
	630	570
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	10
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	10
BHANDARDRA	45	0
ELDARY	23	
SMLHY PTN	12	10
GHATGHAR	250	
	611	131
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	1100
WARDHA	405	0
Adani	2640	1823
Other CPPs	300	675
	4545	3598
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	4874
	3455	4874