



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Jun/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Jun/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.512	2342.277	1) Gujrat	-2.335	84.885
2) Hydro	3.249	99.796	2) Madhya Pradesh	19.752	395.409
3) Gas	10.559	232.271	3) Chattisgarh	9.500	189.660
Total MSGENCO	124.320	2674.344	4) Maharashtra Net	81.269	1760.655
B) 1) JSW JAIGAD	18.333	470.067	(Incl. 765kV Solapur-Raichur)	-0.480	-4.754
2) WPCL	0.000	7.169	5) Goa	-6.088	-133.270
3) ADANI	37.601	753.214	6) TAPS 1&2 Injection	7.227	133.415
4) Other CPP / IPP	15.501	331.265	7) RGPPL Injection	0.000	0.000
5) Wind Generation	43.908	507.149	8) Pench (Excess)	-0.323	-3.605
6) PENCH (MS)	0.323	3.605			
7) SOLAR	0.996	19.362	# Total Cent. Sector	109.002	2427.149
C) 1) TPCL Thermal	19.059	391.817	F) Other Exchanges		
2) TPCL Hydro	4.123	86.189	1) With TPCL (Excess)	-28.180	-541.827
TOTAL TPCL	23.182	478.006	G) Bilateral Power *		
3) REL Thermal	12.274	247.264	1) MSEDCL Bilateral	15.397	507.348
D) STATE			Include PX	-0.914	91.794
1) Thermal (A1+C1+C3)	141.845	2981.358	2) MUMBAI Bilateral	25.820	495.392
2) Hydro (A2+B6+C2)	7.695	189.590	Include PX	3.344	85.756
3) Gas (A3)	10.559	232.271	3) MUMBAI Schedule	25.820	500.010
4) Wind (B5)	43.908	507.149	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	71.435	1561.715	1) MSEDCL	321.804	6651.497
6) SOLAR (B7)	0.996	19.362	2) TPCL	40.193	801.604
TOTAL STATE	276.438	5491.445	3) REL	23.438	465.390
			TOTAL STATE	385.435	7918.491

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4548	4507	4535
MSGENCO Hydro	117	109	69
MSGENCO Gas	434	431	443
MSGENCO Total Generation	5099	5047	5047
Central Sector Receipt	5224	5020	3966
WIND	1961	2109	1885
CPP / IPP	2753	2856	2882
SOLAR	135	77	0
Exchange with Mumbai	-1404	-1534	-783
MSEDCL DEMAND MET	13794	13602	12997
Load Shedding	50	54	51
MSEDCL DEMAND	13844	13656	13048
TPCL GENERATION	1209	1093	703
R-INFRA GENERATION	523	523	460
TPCL+R-INFRA DEMAND	3136	3150	1946
STATE DEMAND MET	16930	16752	14943
STATE DEMAND	16980	16806	14994
Frequency (Hz)	49.95	49.80	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.31 Hz at 05:58 Hrs	49.64 Hz at 14:21 Hrs	49.97	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 20/Jun/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	14.31	0	0	0
Unit 6	3.51	61.42	155	134	150
Unit 7	3.67	60.61	167	140	140
Total	7.18	136.34			290
Bhusawal					
Unit 2	0.00	4.40	0	0	0
Unit 3	3.40	65.28	150	135	150
Unit 4	8.36	169.51	365	335	335
Unit 5	7.56	154.83	355	280	300
Total	19.32	394.01			785
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.42	59.38	158	135	136
Unit 5	3.57	40.28	158	143	142
Unit 6	0.00	87.94	0	0	0
Unit 7	4.38	90.25	187	174	175
Total	11.38	277.85			453
Chandrapur					
Unit 1	3.12	62.83	134	127	140
Unit 2	3.66	48.16	160	140	140
Unit 3	3.84	63.60	172	142	160
Unit 4	4.02	86.34	187	157	160
Unit 5	9.19	157.30	445	356	380
Unit 6	8.55	151.63	390	305	380
Unit 7	0.00	124.70	0	0	0
Total	32.38	694.57			1360
Paras					
Unit 3	3.77	76.54	200	102	230
Unit 4	4.61	106.66	244	0	250
Total	8.38	183.20			480
Khaparkheda					
Unit 1	0.00	14.12	0	0	0
Unit 2	3.73	73.22	165	135	160
Unit 3	3.83	80.33	167	148	170
Unit 4	3.84	62.19	167	143	170
Unit 5	7.94	167.48	350	300	350
Total	19.34	397.34			850
Nasik					
Unit 3	4.12	86.65	180	160	190
Unit 4	4.27	89.59	187	174	200
Unit 5	4.14	82.74	177	170	180
Total	12.54	258.97			570
Uran					
All Units	10.56	232.27	450	430	470
Total	10.56	232.27			470
PENCH (MS)					
Pench (MS)	0.32	3.60	27	0	0
Total	0.32	3.60			0
Koyna					
Stage 1-2	1.02	25.78	55	40	600
Stage 4	0.00	6.08	0	0	250
Stage 3	0.23	7.97	80	0	320
Kovna 12&4 Total	1.02	31.86			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.25	39.83			1170
Hydro					
KDPH	0.23	2.66	10	9	10
VTRNA	0.03	20.70	7	0	61
TILLARI	0.00	0.12	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.32	4.42	40	0	40
RNGR+BHTSA	0.24	4.78	10	9	13
BHANDARDRA	0.00	1.17	0	0	20
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.15	5.32	14	4	16
GHATGHAR	1.03	20.79	252	0	0
Total	2.00	59.97			160
Wind					
MalharPeth	1.23	10.92			
Vankuswadi	2.42	19.29			
ATIT	0.35	3.28			
Kale	0.96	7.67			
Satara	20.28	222.76			
Shirala	1.18	10.53			
K Mahankal	0.14	1.70			
Supa	0.41	4.51			
Vita	4.50	48.85			
Dondaicha	7.58	116.00			
Sakri	1.24	17.37			
Nandurbar	0.74	10.78			
Khandke	1.84	17.31			
Khaparale	1.02	16.18			
Total	43.91	507.15			
CPP					
JSW JAIGAD	18.33	470.07	874	675	825
WARDHA	0.00	7.17	0	0	0
Adani	37.60	753.21	1781	1294	1823
Other CPPs	15.50	331.26			705
Total	71.44	1561.72			3353
SOLAR					
Total	1.00	19.36			
Total	1.00	19.36			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.86	230.28	502	217	500
Trombay 6	3.69	78.13	155	152	500
Trombay 7A	2.88	53.17	123	114	120
Trombay 7B	1.63	30.24	69	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.12	86.19	439	0	447
Total	23.18	478.01			1627
REL					
1&2	12.27	247.26	523	456	500
Total	12.27	247.26			500
Cent Sect					
Share					5481
Total					5481
MS PG CL	Thermal	110.51	2342.28		4788
	Thml+Gas	121.07	2574.55		5258
	Hydro	3.25	99.80		1330
	Total	124.32	2674.34		6588
State Total		276.44	5491.44		17549

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	4672	62	448	5182	1458	3388	0	4408	4311	-1047	-993	13346	77	13423	2424	15847	49.98
2	4562	62	450	5074	1513	3239	0	4518	4357	-895	-855	13328	50	13378	2220	15598	50.01
3	4484	62	446	4992	1562	2983	0	4610	4249	-874	-823	12963	50	13013	2091	15104	50.04
4	4508	84	442	5034	1680	3083	0	4381	4288	-857	-863	13222	50	13272	1986	15258	50.08
5	4535	69	443	5047	1885	2882	0	4120	3966	-860	-783	12997	51	13048	1946	14994	50.04
6	4527	63	445	5035	1745	3004	0	4570	4163	-852	-735	13212	55	13267	1996	15263	50.07
7	4665	68	443	5176	1869	2813	7	4397	4452	-828	-778	13552	71	13623	2032	15655	50.08
8	4735	63	443	5241	1957	3098	41	4302	4081	-870	-777	13654	71	13725	2139	15864	50.06
9	4638	68	440	5146	2264	3118	67	4889	4341	-961	-1011	13952	68	14020	2437	16457	50.09
10	4533	91	440	5064	2086	3094	101	5109	4688	-1101	-1341	13719	51	13770	2821	16591	50.04
11	4548	117	434	5099	1961	2753	135	4735	5224	-1297	-1404	13794	50	13844	3136	16980	49.95
12	4572	111	433	5116	1843	3016	137	4583	4878	-1297	-1380	13636	54	13690	3183	16873	49.92
13	4591	104	433	5128	1998	3076	156	4484	4625	-1313	-1446	13564	110	13674	3180	16854	49.92
14	4563	109	430	5102	1905	2975	92	4472	4482	-1261	-1414	13165	57	13222	3089	16311	49.82
15	4507	109	431	5047	2109	2856	77	4532	5020	-1281	-1534	13602	54	13656	3150	16806	49.80
16	4483	244	437	5164	2011	2755	92	4411	4995	-1282	-1538	13506	52	13558	3166	16724	49.95
17	4637	439	436	5512	2023	2800	54	4200	4444	-1216	-1452	13407	56	13463	3116	16579	49.98
18	4702	113	440	5255	1882	3084	31	3568	3615	-1165	-1389	12488	63	12551	3036	15587	50.00
19	4660	72	443	5175	1849	3119	5	3288	3660	-1110	-1309	12510	61	12571	2931	15502	50.02
20	4729	79	438	5246	1830	3004	1	4325	4455	-1101	-1277	13286	55	13341	2891	16232	49.87
21	4660	203	438	5301	1666	2712	0	4689	5391	-1122	-1220	13863	52	13915	2774	16689	49.83
22	4695	218	440	5353	1641	2674	0	4672	5123	-1097	-1329	13462	51	13513	2744	16257	49.92
23	4684	275	442	5401	1571	2715	0	4621	5232	-1070	-1278	13641	51	13692	2641	16333	49.90
24	4622	364	444	5430	1600	3194	0	4558	4962	-1063	-1251	13935	51	13986	2507	16493	50.02
MUs	110.51	3.25	10.56	124.32	43.91	71.44	1.00	106.44	109.00	-25.82	-28.18	321.80	1.41	323.22	63.64	386.85	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 20/Jun/2014

Position as on 6.30 Hrs of 21/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	20/06/2014	17.55	Replacement Water Drain Valve.(5 Days)	
Chandrapur Unit 7	500	19/06/2014	06.00		Continued.	A/OH.	
Tata Trombay 5	500	21/06/2014	00.00		Continued.	Boiler Recertification	
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.	
CPP IPL U-2	270	16/06/2014	00.26		Continued.	Coal Shortage.	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	I D Fan Bearing Temperature High.	
CPP JSW (J) U2	300	18/06/2014	23.59		Continued.	Due to no schedule.	
Parli Unit 6	250	19/06/2014	20.40		Continued.	BLR T/L.	
Paras Unit 4	250	20/06/2014	13.24	20/06/2014	15.38	High Furnace pressure	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jun/2014

Position as on 6.30 Hrs of 21/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	19/06/2014	16.48		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	19/06/2014	22.55	20/06/2014	07.31	Over Voltage.
Dhule-Sar'Sarovar - II	21/06/2014	02.00		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		
400/220KV 315MVA ICT-II @ BBLSR	20/06/2014	17.17	20/06/2014	22.04	Relay replacement 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)
Badnera - Akola - I	20/06/2014	07.17	20/06/2014	18.26	Repl.of Line Insulators
Padghe - Nashik - II	20/06/2014	10.10	20/06/2014	14.45	Bay Maint.work
Padgha-Jambhul-I	20/06/2014	11.39	20/06/2014	19.21	Relay testing work
Karad-Vita-II	20/06/2014	12.21	20/06/2014	14.02	Hot Spot
Jejuri-Jejuri I	20/06/2014	17.17		Continued.	Isolator replacement work
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Bhosari - Chakan	20/06/2014	13.17	20/06/2014	14.34	Repl.of Disc Insulator String
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.
Karad - Kolhapur - I	19/06/2014	16.39	20/06/2014	09.02	Over Voltage.
Karad-Jaigad I	19/06/2014	17.49	20/06/2014	09.08	Over Voltage.
Bhusawal- Aurangabad	19/06/2014	17.56	20/06/2014	07.27	Over Voltage.
Lonikand- Koyna Stage IV	20/06/2014	01.54	20/06/2014	06.57	Over Voltage.
Karad - Kolhapur - I	20/06/2014	17.37		Continued.	Over Voltage
Bhusawal- Aurangabad	20/06/2014	17.38		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		
400/220 KV 315 MVA ICT-II at Girawali	19/06/2014	17.52	20/06/2014	01.52	On HV side only,DC leakage observed.
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 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

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jun/2014

Position as on 6.30 Hrs of 21/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)
Karad - Sadawaghapur - II	15/06/2014	20.49		Continued.	Distance Protection
Trombay Sonkhar	20/06/2014	10.46	20/06/2014	11.41	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Giravali-Gangakhed	19/06/2014	18.16	20/06/2014	10.40	Dist.prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Jun/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	155
Unit 7	210	155
	620	310
Bhusawal		
Unit 2	210	0
Unit 3	210	148
Unit 4	500	345
Unit 5	500	300
	1420	793
Parli		
Unit 3	210	0
Unit 4	210	140
Unit 5	210	140
Unit 6	250	0
Unit 7	250	180
	1130	460
Chandrapur		
Unit 1	210	132
Unit 2	210	151
Unit 3	210	169
Unit 4	210	192
Unit 5	500	411
Unit 6	500	365
Unit 7	500	0
	2340	1420
Paras		
Unit 3	250	230
Unit 4	250	250
	500	480
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	10
VTRNA	60	60

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	30
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	159
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	825
WARDHA	405	
Adani	2640	1823
Other CPPs	300	705
	4545	3353
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
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	4754
	3455	4754