



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

State Load Dispatch Center, Airoli

Daily system Report

for

08/Jun/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 08/Jun/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.853	937.949	1) Gujrat	3.663	20.641
2) Hydro	5.090	43.809	2) Madhya Pradesh	18.800	149.952
3) Gas	13.926	99.296	3) Chattisgarh	9.460	79.470
Total MSGENCO	137.869	1081.054	4) Maharashtra Net	80.276	756.354
B) 1) JSW JAIGAD	26.592	170.310	(Incl. 765kV Solapur-Raichur)	0.435	7.616
2) WPCL	0.000	7.169	5) Goa	-5.698	-53.958
3) ADANI	42.985	291.300	6) TAPS 1&2 Injection	6.571	58.103
4) Other CPP / IPP	17.589	115.509	7) RGPPL Injection	0.000	0.000
5) Wind Generation	26.932	164.349	8) Pench (Excess)	-0.097	-1.902
6) PENCH (MS)	0.097	1.902	# Total Cent. Sector	112.975	1008.660
7) SOLAR	1.031	8.466	F) Other Exchanges		
C) 1) TPCL Thermal	19.232	158.002	1) With TPCL (Excess)	-22.445	-215.072
2) TPCL Hydro	1.099	31.291	G) Bilateral Power *		
TOTAL TPCL	20.331	189.293	1) MSEDCL Bilateral	26.662	215.369
3) REL Thermal	12.372	98.483	Include PX	2.808	57.560
D) STATE			2) MUMBAI Bilateral	22.178	191.641
1) Thermal (A1+C1+C3)	150.457	1194.434	Include PX	1.827	43.455
2) Hydro (A2+B6+C2)	6.286	77.002	3) MUMBAI Schedule	22.178	194.430
3) Gas (A3)	13.926	99.296	H) ENERGY CATERED (MUs)		
4) Wind (B5)	26.932	164.349	1) MSEDCL	343.625	2633.647
5) CPP/IPP (B1+B2+B3+B4)	87.166	584.288	2) TPCL	34.191	316.771
6) SOLAR (B7)	1.031	8.466	3) REL	20.952	186.071
TOTAL STATE	285.798	2127.835	TOTAL STATE	398.768	3136.489

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5215	5406	4842
MSGENCO Hydro	404	476	62
MSGENCO Gas	567	566	571
MSGENCO Total Generation	6186	6448	5475
Central Sector Receipt	4924	5172	4053
WIND	538	502	1366
CPP / IPP	3680	3733	3613
SOLAR	144	106	0
Exchange with Mumbai	-934	-979	-783
MSEDCL DEMAND MET	14538	14982	13724
Load Shedding	907	594	201
MSEDCL DEMAND	15445	15576	13925
TPCL GENERATION	827	881	802
R-INFRA GENERATION	520	519	519
TPCL+R-INFRA DEMAND	2281	2379	2104
STATE DEMAND MET	16819	17361	15828
STATE DEMAND	17726	17955	16029
Frequency (Hz)	49.96	49.91	49.90

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.27 Hz at 17.55 Hrs	49.57 Hz at 20.01 Hrs	49.98	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 08/Jun/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	3.46	28.28	153	135	140
Unit 7	3.44	30.88	158	130	140
Total	6.90	59.16			280
Bhusawal					
Unit 2	0.00	4.40	0	0	0
Unit 3	3.17	25.02	160	120	133
Unit 4	8.10	68.71	470	280	343
Unit 5	7.69	63.74	345	300	320
Total	18.96	161.86			796
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.01	26.26	178	158	170
Unit 5	0.00	0.00	0	0	0
Unit 6	4.64	36.05	250	175	175
Unit 7	4.58	35.80	250	175	175
Total	13.23	98.11			520
Chandrapur					
Unit 1	3.09	25.70	136	120	150
Unit 2	2.62	17.64	154	0	0
Unit 3	0.73	15.54	157	0	0
Unit 4	4.51	35.30	201	165	210
Unit 5	10.06	77.96	445	345	450
Unit 6	8.36	66.90	410	285	400
Unit 7	6.84	54.46	326	239	350
Total	36.19	293.50			1560
Paras					
Unit 3	5.00	21.67	227	189	200
Unit 4	5.52	42.82	244	200	220
Total	10.52	64.49			420
Khaparkheda					
Unit 1	0.00	14.12	0	0	0
Unit 2	3.84	28.32	175	140	190
Unit 3	4.26	32.55	207	169	210
Unit 4	4.17	15.30	214	156	210
Unit 5	7.52	68.97	420	222	500
Total	19.79	159.26			1110
Nasik					
Unit 3	4.30	34.86	190	170	190
Unit 4	4.53	36.46	198	175	200
Unit 5	4.43	30.25	193	168	190
Total	13.27	101.57			580
Uran					
All Units	13.93	99.30	597	566	600
Total	13.93	99.30			600
PENCH (MS)					
Pench (MS)	0.10	1.90	27	0	
Total	0.10	1.90			
Koyna					
Stage 1-2	1.08	11.52	55	40	600
Stage 4	0.00	3.38	0	0	250
Stage 3	0.37	3.67	158	0	320
Kovna 12&4 Total	1.08	14.90			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.45	18.57			1170
Hydro					
KDPH	0.00	0.32	0	0	0
VTRNA	1.13	9.06	61	0	61
TILLARI	0.00	0.12	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.16	1.78	41	0	40
RNGR+BHTSA	0.25	1.82	11	10	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.12	3.00	13	2	8
GHATGHAR	1.98	9.14	250	0	0
Total	3.64	25.24			109
Wind					
MalharPeth	0.41	2.96			
Vankuswadi	0.64	3.64			
ATIT	0.10	0.73			
Kale	0.35	2.29			
Satara	9.60	52.21			
Shirala	0.51	3.38			
K Mahankal	0.12	0.51			
Supa	0.34	1.55			
Vita	2.72	12.53			
Dondaicha	8.47	58.37			
Sakri	1.19	8.10			
Nandurbar	0.85	5.81			
Khandke	0.51	4.63			
Khaparale	1.12	7.64			
Total	26.93	164.35			
CPP					
JSW JAIGAD	26.59	170.31	1213	973	1099
WARDHA	0.00	7.17			0
Adani	42.98	291.30	1850	1717	1823
Other CPPs	17.59	115.51			620
Total	87.17	584.29			3542
SOLAR					
Total	1.03	8.47			
Total	1.03	8.47			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.64	92.71	501	356	500
Trombay 6	3.74	31.81	157	151	500
Trombay 7A	2.76	21.74	121	114	120
Trombay 7B	1.10	11.73	69	32	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	1.10	31.29	145	0	447
Total	20.33	189.29			1627
REL					
1&2	12.37	98.48	522	449	500
Total	12.37	98.48			500
Cent Sect					
Share					5097
Total					5097
MS PG CL	Thermal	118.85	937.95		5266
	Thml+Gas	132.78	1037.24		5866
	Hydro	5.09	43.81		1279
	Total	137.87	1081.05		7145
State Total		285.80	2127.84		17911

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 08/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	4996	57	591	5644	1409	3687	0	5000	4685	-1192	-1126	14299	72	14371	2555	16926	49.92
2	4898	52	597	5547	1384	3764	0	4726	4595	-1091	-1020	14270	134	14404	2410	16814	49.95
3	4885	57	596	5538	1387	3733	0	4484	4591	-941	-943	14306	145	14451	2273	16724	49.96
4	4855	57	574	5486	1347	3679	0	4376	4510	-852	-836	14186	151	14337	2159	16496	49.93
5	4842	62	571	5475	1366	3613	0	4465	4053	-868	-783	13724	201	13925	2104	16029	49.90
6	4764	84	593	5441	1389	3583	0	4517	4639	-876	-794	14258	241	14499	2113	16612	50.00
7	4742	123	594	5459	1288	3549	13	4416	4627	-768	-744	14192	354	14546	2053	16599	50.02
8	4756	113	595	5464	1234	3540	29	4419	4524	-729	-787	14004	369	14373	2043	16416	50.03
9	4710	138	582	5430	1131	3486	67	4451	4534	-781	-745	13903	293	14196	2056	16252	49.98
10	4609	328	581	5518	921	3510	96	4670	5187	-812	-753	14479	433	14912	2074	16986	50.04
11	4683	418	576	5677	790	3519	117	5004	5546	-896	-844	14805	606	15411	2171	17582	50.00
12	4759	408	573	5740	822	3578	132	5061	5158	-912	-865	14565	754	15319	2224	17543	49.96
13	5215	404	567	6186	538	3680	144	4991	4924	-957	-934	14538	907	15445	2281	17726	49.96
14	5338	373	569	6280	555	3638	140	4881	5137	-952	-962	14788	778	15566	2315	17881	49.95
15	5406	476	566	6448	502	3733	106	4823	5172	-900	-979	14982	594	15576	2379	17955	49.91
16	5098	528	570	6196	626	3627	96	4979	5290	-902	-976	14859	495	15354	2382	17736	49.99
17	4979	478	573	6030	822	3788	60	4783	4883	-972	-942	14641	511	15152	2339	17491	50.06
18	4951	194	579	5724	1009	3650	25	4442	4093	-827	-940	13561	232	13793	2256	16049	50.13
19	4875	135	580	5590	1318	3484	6	4239	4183	-741	-1043	13538	138	13676	2217	15893	50.07
20	5058	130	578	5766	1408	3434	0	4355	4241	-926	-964	13897	88	13985	2376	16361	49.91
21	5110	120	578	5808	1350	3744	0	4666	4635	-1033	-1002	14556	28	14584	2476	17060	49.89
22	5095	120	580	5795	1324	3697	0	4466	4346	-1054	-1082	14107	14	14121	2561	16682	49.97
23	5144	115	587	5846	1506	3780	0	4370	4700	-1054	-1155	14704	12	14716	2652	17368	49.91
24	5080	120	576	5776	1506	3670	0	4460	4722	-1144	-1226	14458	5	14463	2679	17142	49.96
MUs	118.85	5.09	13.93	137.86	26.93	87.17	1.03	111.04	112.98	-22.18	-22.44	343.62	7.56	351.18	55.15	406.32	49.98

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 08/Jun/2014

Position as on 6.30 Hrs of 09/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	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	Coal conservation	
Koyna Stage 4	1000	04/06/2014	21.25		Continued.	aanual maintance	
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	
Parli Unit 5	210	26/05/2014	22.34		Continued.	Coal Shortage.	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
CPP Adani U-2	660	30/05/2014	18.22		Continued.	Boiler Tube Leakage	
CPP IPL U-2	270	01/06/2014	10.42		Continued.	BLR T/L.	
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.	
Chandrapur Unit 3	210	04/06/2014	21.11	08/06/2014	14.44	BLR T/L.	
Cent_Sect TARAPUR-3	540	07/06/2014	18.36		Continued.	Maint.work	
Chandrapur Unit 2	210	08/06/2014	05.40	08/06/2014	10.46	Tripped	
Cent_Sect Tarapur 2	160	08/06/2014	20.09		Continued.	Maint.work	
Chandrapur Unit 6	500	09/06/2014	01.50		Continued.	Boiler Tube Leakage	
Chandrapur Unit 2	210	09/06/2014	03.21		Continued.	Boiler Tube Leakage	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 08/Jun/2014

Position as on 6.30 Hrs of 09/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 - I	07/06/2014	17.03		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 600 MVA ICT-II @ Kalwa	08/06/2014	07.12	08/06/2014	09.02	Plastic paper wrapping
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)
Borivali-Ghodbandar	08/06/2014	08.37	08/06/2014	09.02	Bay Maint.work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 315MVA ICT-II @ BBLSR	08/06/2014	17.28	08/06/2014	20.58	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	07/06/2014	16.34	08/06/2014	09.51	Over Voltage
Bhusawal- Aurangabad	07/06/2014	20.47	08/06/2014	08.09	Over voltage
Karad-Kolhapur-II	08/06/2014	16.29		Continued.	Over Voltage
Karad-Jaigad I	08/06/2014	16.40		Continued.	Over Voltage
Bhusawal- Aurangabad	08/06/2014	17.23		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	01/06/2014	16.00		Continued.	Over Voltage.
Lonikand 2-Parli-I	04/06/2014	18.04	08/06/2014	19.44	Dist Prot.one tower collapsed and one more tower X.Arm bent.
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)
Koradi-Ambazari-I	08/06/2014	12.36	08/06/2014	13.57	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 09/Jun/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	140
	620	290
Bhusawal		
Unit 2	210	0
Unit 3	210	130
Unit 4	500	300
Unit 5	500	290
	1420	720
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	0
Unit 6	250	187
Unit 7	250	185
	1130	532
Chandrapur		
Unit 1	210	150
Unit 2	210	0
Unit 3	210	175
Unit 4	210	200
Unit 5	500	450
Unit 6	500	0
Unit 7	500	350
	2340	1325
Paras		
Unit 3	250	180
Unit 4	250	250
	500	430
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	600
	852	600
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	0
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	110
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	1099
WARDHA	405	0
Adani	2640	1823
Other CPPs	300	620
	4545	3542
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	5675
	3455	5675

	21940	17951
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