



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Jun/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Jun/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.853	3175.974	1) Gujrat	0.918	104.357
2) Hydro	8.324	135.740	2) Madhya Pradesh	15.019	524.095
3) Gas	10.372	303.584	3) Chattisgarh	8.300	243.310
Total MSGENCO	137.549	3615.298	4) Maharashtra Net	88.811	2342.916
B) 1) JSW JAIGAD	20.094	606.605	(Incl. 765kV Solapur-Raichur)	-2.320	-23.481
2) WPCL	2.458	16.784	5) Goa	-7.282	-181.031
3) ADANI	43.043	1046.850	6) TAPS 1&2 Injection	7.180	178.635
4) Other CPP / IPP	17.502	456.841	7) RGPPL Injection	0.000	0.000
5) Wind Generation	21.749	779.857	8) Pench (Excess)	-0.604	-5.538
6) PENCH (MS)	0.604	5.538	# Total Cent. Sector	112.342	3206.744
7) SOLAR	1.161	26.477	F) Other Exchanges		
C) 1) TPCL Thermal	20.504	514.644	1) With TPCL (Excess)	-29.101	-742.729
2) TPCL Hydro	3.487	116.024	G) Bilateral Power *		
TOTAL TPCL	23.991	630.668	1) MSEDCL Bilateral	16.805	611.993
3) REL Thermal	12.491	334.058	Include PX	-1.440	75.151
D) STATE			2) MUMBAI Bilateral	28.804	693.571
1) Thermal (A1+C1+C3)	151.848	4024.676	Include PX	3.266	113.366
2) Hydro (A2+B6+C2)	12.415	257.302	3) MUMBAI Schedule	28.804	698.466
3) Gas (A3)	10.372	303.584	H) ENERGY CATERED (MUs)		
4) Wind (B5)	21.749	779.857	1) MSEDCL	327.401	9018.265
5) CPP/IPP (B1+B2+B3+B4)	83.097	2127.080	2) TPCL	41.182	1076.899
6) SOLAR (B7)	1.161	26.477	3) REL	24.411	630.449
TOTAL STATE	280.642	7518.976	TOTAL STATE	392.994	10725.613

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5110	4817	5106
MSGENCO Hydro	749	725	127
MSGENCO Gas	421	431	444
MSGENCO Total Generation	6280	5973	5677
Central Sector Receipt	5089	4700	4556
WIND	627	836	921
CPP / IPP	3514	3599	3342
SOLAR	159	102	0
Exchange with Mumbai	-1376	-1506	-802
MSEDCL DEMAND MET	14320	13730	13719
Load Shedding	1208	1270	242
MSEDCL DEMAND	15528	15000	13961
TPCL GENERATION	1167	1214	863
R-INFRA GENERATION	519	521	521
TPCL+R-INFRA DEMAND	3062	3241	2186
STATE DEMAND MET	17382	16971	15905
STATE DEMAND	18590	18241	16147
Frequency (Hz)	49.74	49.71	49.84

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.13 Hz at 17:53 Hrs	49.31 Hz at 09:05 Hrs	49.78	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 27/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	3.38	85.23	155	120	150
Unit 7	3.93	86.09	175	145	175
Total	7.30	185.63			325
Bhusawal					
Unit 2	3.30	20.58	170	110	150
Unit 3	3.37	89.25	150	130	150
Unit 4	10.12	233.97	510	340	400
Unit 5	9.92	213.67	425	400	400
Total	26.72	557.47			1100
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.10	83.02	155	100	141
Unit 5	0.00	57.95	0	0	0
Unit 6	4.12	111.09	180	163	170
Unit 7	4.17	121.37	178	150	175
Total	11.39	373.44			486
Chandrapur					
Unit 1	3.02	84.82	130	122	140
Unit 2	3.61	73.66	156	112	165
Unit 3	4.06	90.72	180	162	185
Unit 4	4.61	116.97	199	164	200
Unit 5	9.48	220.77	420	363	400
Unit 6	8.94	215.29	391	332	390
Unit 7	0.00	124.70	0	0	0
Total	33.72	926.93			1480
Paras					
Unit 3	4.14	106.92	191	154	200
Unit 4	5.36	143.20	236	208	250
Total	9.51	250.12			450
Khaparkheda					
Unit 1	0.00	14.12	0	0	0
Unit 2	4.09	100.29	185	150	160
Unit 3	4.51	109.20	210	170	170
Unit 4	4.47	91.10	210	155	170
Unit 5	4.28	220.28	420	0	400
Total	17.35	534.99			900
Nasik					
Unit 3	3.87	115.62	190	0	190
Unit 4	4.54	119.15	198	176	200
Unit 5	4.46	112.62	193	180	190
Total	12.86	347.40			580
Uran					
All Units	10.37	303.58	446	416	440
Total	10.37	303.58			440
PENCH (MS)					
Pench (MS)	0.60	5.54	28	12	0
Total	0.60	5.54			0
Koyna					
Stage 1-2	3.68	37.96	420	40	600
Stage 4	1.38	8.83	280	0	250
Stage 3	1.53	12.22	160	0	240
Kovna 12&4 Total	5.06	46.78			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	6.59	59.01			1090
Hydro					
KDPH	0.30	4.34	19	9	10
VTRNA	0.55	24.64	61	0	61
TILLARI	0.00	0.12	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.14	5.80	40	0	40
RNGR+BHTSA	0.22	6.39	10	9	10
BHANDARDRA	0.00	1.17	0	0	0
ELDARY	0.32	1.00	14	9	0
SMLHY PTN	0.14	6.38	12	3	23
GHATGHAR	0.07	26.90	73	0	0
Total	1.74	76.73			144
Wind					
MalharPeth	0.62	18.42			
Vankuswadi	0.96	32.23			
ATIT	0.15	5.27			
Kale	0.38	12.68			
Satara	7.58	339.92			
Shirala	0.58	17.36			
K Mahankal	0.04	2.30			
Supa	0.18	6.44			
Vita	1.55	73.83			
Dondaicha	6.63	175.96			
Sakri	1.06	26.91			
Nandurbar	0.81	17.22			
Khandke	0.42	26.57			
Khaparale	0.80	24.76			
Total	21.75	779.86			
CPP					
JSW JAIGAD	20.09	606.60	929	696	825
WARDHA	2.46	16.78	107	96	105
Adani	43.04	1046.85	1868	1709	1823
Other CPPs	17.50	456.84			705
Total	83.10	2127.08			3458
SOLAR					
Total	1.16	26.48			
Total	1.16	26.48			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.92	287.33	502	458	500
Trombay 6	4.40	114.24	249	151	500
Trombay 7A	2.64	71.91	123	67	120
Trombay 7B	1.55	41.16	69	51	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.49	116.02	354	0	447
Total	23.99	630.67			1627
REL					
1&2	12.49	334.06	523	518	500
Total	12.49	334.06			500
Cent Sect					
Share					4725
Total					4725
MS PG CL	Thermal	118.85	3175.97		5321
	Thml+Gas	129.22	3479.56		5761
	Hydro	8.32	135.74		1234
	Total	137.55	3615.30		6995
State Total		280.64	7518.98		17305

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/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	5140	413	444	5997	815	3550	0	4492	4660	-1107	-1155	13891	137	14028	2543	16571	49.72
2	5081	275	443	5799	865	3410	0	4497	4677	-993	-922	13853	225	14078	2317	16395	49.74
3	5106	127	444	5677	921	3342	0	4525	4556	-873	-802	13719	242	13961	2186	16147	49.84
4	5084	76	445	5605	913	3217	0	4486	4824	-866	-792	13793	251	14044	2155	16199	49.81
5	5108	85	444	5637	1001	3314	0	4636	4621	-937	-701	13898	299	14197	2061	16258	49.72
6	5133	185	445	5763	791	3397	0	4674	4849	-975	-706	14120	568	14688	2066	16754	49.72
7	5147	100	446	5693	792	3322	6	4785	4346	-1053	-733	13451	1217	14668	2095	16763	49.85
8	5150	84	438	5672	792	3337	32	4702	4583	-1106	-841	13602	1261	14863	2203	17066	49.85
9	5126	322	435	5883	633	3340	72	4735	5180	-1189	-1108	14024	1261	15285	2518	17803	49.73
10	5121	712	432	6265	630	3525	128	4793	5178	-1341	-1332	14422	1131	15553	2896	18449	49.65
11	5110	749	421	6280	627	3514	159	4839	5089	-1403	-1376	14320	1208	15528	3062	18590	49.74
12	5198	847	423	6468	611	3508	123	4683	4847	-1398	-1492	14089	1199	15288	3246	18534	49.77
13	5174	740	419	6333	519	3559	156	4697	4862	-1410	-1543	13912	1152	15064	3245	18309	49.81
14	4938	377	419	5734	509	3520	142	4635	4756	-1366	-1480	13206	1061	14267	3166	17433	49.84
15	4927	339	416	5682	585	3565	130	4586	4706	-1360	-1514	13179	1154	14333	3213	17546	49.65
16	4817	725	431	5973	836	3599	102	4594	4700	-1393	-1506	13730	1270	15000	3241	18241	49.71
17	4802	418	423	5643	1047	3528	72	4475	4734	-1398	-1509	13540	1331	14871	3237	18108	49.78
18	4761	200	422	5383	1329	3426	33	4017	4205	-1345	-1524	12864	1003	13867	3131	16998	49.95
19	4747	166	432	5345	1572	3471	6	3711	3822	-1279	-1478	12765	476	13241	2948	16189	49.89
20	4744	171	426	5341	1426	3449	0	4414	3993	-1227	-1464	12772	605	13377	2914	16291	49.76
21	4804	235	426	5465	1225	3581	0	4492	4745	-1207	-1367	13676	448	14124	2886	17010	49.76
22	4653	327	428	5408	1142	3462	0	4512	4768	-1220	-1284	13523	295	13818	2805	16623	49.74
23	4516	487	434	5437	1118	3641	0	4507	4730	-1153	-1251	13699	182	13881	2761	16642	49.76
24	4466	164	436	5066	1050	3520	0	4777	4911	-1204	-1221	13353	165	13518	2688	16206	49.81
MUs	118.85	8.32	10.37	137.55	21.75	83.10	1.16	109.26	112.34	-28.80	-29.10	327.40	18.14	345.54	65.58	411.12	49.78

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 27/Jun/2014

Position as on 6.30 Hrs of 28/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.	
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
Koyna ST-IV 2	250	23/06/2014	09.00		Continued.	AOH.	06/07/2014
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).	
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.	
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.	
Uran Unit 5	108	23/06/2014	21.33		Continued.	For Changeover.	
Parli Unit 5	210	26/06/2014	00.30		Continued.	Coal Shortage.	
CPP IPL U-1	270	26/06/2014	05.46		Continued.	Coal Shortage.	
Khaparkheda Unit 5	500	27/06/2014	12.52		Continued.	Economiser Tube Leakage.	
Nasik Unit 3	210	27/06/2014	21.30		Continued.	Boiler Tube Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jun/2014

Position as on 6.30 Hrs of 28/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		
A'bad-Talegaon PG-1	27/06/2014	06.03		Continued.	Hot spot attending work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dhule-Khandwa-I	27/06/2014	15.24	27/06/2014	21.33	Attending Flashover @ Loc 854..
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	26/06/2014	17.12	27/06/2014	09.00	Over Voltage.
Dhule-Sar'Sarovar - II	26/06/2014	18.38	27/06/2014	08.38	Over Voltage.
Kolhapur - Mapusa - II	27/06/2014	16.40		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	28/06/2014	03.00		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	26/06/2014	19.02		Continued.	Ready for Charging.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik - Navsari - II	27/06/2014	05.01	27/06/2014	17.12	Distance Protection.
Nasik-Navsari-I	27/06/2014	06.32	27/06/2014	14.05	R-Ph to ground.
Nasik-Navsari-I	28/06/2014	03.49	28/06/2014	04.32	Distance Protection.
Nasik - Navasari - II	28/06/2014	05.12		Continued.	Distance Protection.
Nasik-Navsari-I	28/06/2014	05.48		Continued.	Distance Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Auxiliary Bus @ Babaleshwar	23/06/2014	18.12		Continued.	Stub Bus Stringing of New Taptitabda Bays. (for 3 Days).
Karad - Lonikand	26/06/2014	12.14	27/06/2014	06.38	BKR Repl.
Abad- Talegaon pg-1	27/06/2014	06.03	27/06/2014	14.04	For Attending Hot Spot.
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)
220/132 KV 200 MVA ICT-II @ Harangul	26/06/2014	18.01		Continued.	To arrest oil leakage and oil top up work.
Tambati-Adlabs	27/06/2014	08.20		Continued.	Scada Testing Work.
Theur - Magarpatta	27/06/2014	09.20		Continued.	C& R Panel Replacement Work.
Talangade-Mudshingi-II	27/06/2014	10.16	27/06/2014	13.55	Q.M.Work.
Aurangabad-Padegaon CKT-II	27/06/2014	11.01	27/06/2014	14.19	Replacement of Tripping Relay.
Kalwa-Airoli-Knowledge park	27/06/2014	11.20	27/06/2014	15.57	Relay Testing.
Kalwa - Salshet - III	28/06/2014	05.19		Continued.	C T Replacement Work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa - Vashi - II	27/06/2014	08.16		Continued.	Stringing of New Conductor.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Kalwa - Salshet - III	27/06/2014	03.15	27/06/2014	05.57	Hot Spot Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	26/06/2014	16.40	27/06/2014	08.44	Over Voltage.
Bhusawal- Aurangabad	26/06/2014	18.12	27/06/2014	07.48	Over Voltage.
Karad - Kolhapur - I	27/06/2014	16.09		Continued.	Over Voltage.
Bhusawal- Aurangabad	27/06/2014	17.37		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jun/2014

Position as on 6.30 Hrs of 28/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad-Jaigad I	27/06/2014	22.25		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
Wardha-Badnera	26/06/2014	06.49		Continued.	To control O/D.
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 taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)
Karad - Sadawaghapur - II	15/06/2014	20.49		Continued.	Distance Protection
Karad-Vita-II	27/06/2014	02.34		Continued.	Dist.Prot.
Valve - Gangapur	27/06/2014	07.49	27/06/2014	13.13	Distance Protection Operated Z-I.
Khaparkheda-Butibori 3	27/06/2014	15.22	27/06/2014	20.35	Distance Protection Operated Z-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Jun/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	175
	620	320
Bhusawal		
Unit 2	210	134
Unit 3	210	125
Unit 4	500	310
Unit 5	500	301
	1420	870
Parli		
Unit 3	210	0
Unit 4	210	140
Unit 5	210	0
Unit 6	250	170
Unit 7	250	170
	1130	480
Chandrapur		
Unit 1	210	140
Unit 2	210	160
Unit 3	210	175
Unit 4	210	200
Unit 5	500	400
Unit 6	500	380
Unit 7	500	0
	2340	1455
Paras		
Unit 3	250	170
Unit 4	250	230
	500	400
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
Unit 5	500	0
	1340	610
Nasik		
Unit 3	210	0
Unit 4	210	198
Unit 5	210	190
	630	388
Uran		
All Units	852	440
	852	440
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	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	14
SMLHY PTN	12	21
GHATGHAR	250	0
	611	156
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	1200
WARDHA	405	105
Adani	2640	1823
Other CPPs	300	705
	4545	3833
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	5428
	3455	5428