



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Jul/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Jul/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.463	557.686	1) Gujrat	-1.653	9.670
2) Hydro	8.076	28.218	2) Madhya Pradesh	15.915	94.260
3) Gas	8.927	44.273	3) Chattisgarh	7.920	44.430
Total MSGENCO	128.466	630.177	4) Maharashtra Net	88.653	445.329
B) 1) JSW JAIGAD	26.231	132.720	(Incl. 765kV Solapur-Raichur)	-2.613	-27.249
2) WPCL	2.170	11.052	5) Goa	-7.014	-35.712
3) ADANI	56.584	255.680	6) TAPS 1&2 Injection	7.230	36.449
4) Other CPP / IPP	18.480	90.005	7) RGPPL Injection	0.000	0.000
5) Wind Generation	28.305	154.125	8) Pench (Excess)	-0.013	-0.333
6) PENCH (MS)	0.013	0.333	# Total Cent. Sector	111.038	594.093
7) SOLAR	1.008	5.023	F) Other Exchanges		
C) 1) TPCL Thermal	19.052	95.589	1) With TPCL (Excess)	-24.135	-130.525
2) TPCL Hydro	2.424	11.095	G) Bilateral Power *		
TOTAL TPCL	21.476	106.684	1) MSEDCL Bilateral	38.467	198.887
3) REL Thermal	12.372	61.722	Include PX	9.702	72.397
D) STATE			2) MUMBAI Bilateral	23.757	134.401
1) Thermal (A1+C1+C3)	142.887	714.997	Include PX	1.056	12.686
2) Hydro (A2+B6+C2)	10.513	39.646	3) MUMBAI Schedule	24.433	135.542
3) Gas (A3)	8.927	44.273	H) ENERGY CATERED (MUs)		
4) Wind (B5)	28.305	154.125	1) MSEDCL	348.160	1742.683
5) CPP/IPP (B1+B2+B3+B4)	103.465	489.457	2) TPCL	36.467	188.850
6) SOLAR (B7)	1.008	5.023	3) REL	21.514	110.077
TOTAL STATE	295.105	1447.521	TOTAL STATE	406.141	2041.610

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	5306	5157	4463
MSGENCO Hydro	377	804	96
MSGENCO Gas	296	359	414
MSGENCO Total Generation	5979	6320	4973
Central Sector Receipt	5521	5501	4079
WIND	715	776	1296
CPP / IPP	4448	4146	4256
SOLAR	154	115	0
Exchange with Mumbai	-1354	-1314	-723
MSEDCL DEMAND MET	15463	15544	13881
Load Shedding	470	346	30
MSEDCL DEMAND	15933	15890	13911
TPCL GENERATION	998	988	612
R-INFRA GENERATION	521	522	457
TPCL+R-INFRA DEMAND	2873	2824	1792
STATE DEMAND MET	18336	18368	15673
STATE DEMAND	18806	18714	15703
Frequency (Hz)	49.81	49.77	49.83

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 12:55 Hrs	49.48 Hz at 23:58 Hrs	49.83	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 05/Jul/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	1.47	4.03	140	0	140
Unit 7	3.78	17.53	170	145	160
Total	5.24	21.56			300
Bhusawal					
Unit 2	3.45	16.54	165	130	130
Unit 3	3.02	15.08	140	115	130
Unit 4	8.39	44.59	500	260	300
Unit 5	7.44	41.34	420	160	300
Total	22.30	117.56			860
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.37	3.42	160	37	150
Unit 6	4.72	21.88	250	181	190
Unit 7	4.70	22.24	250	180	185
Total	12.80	47.54			525
Chandrapur					
Unit 1	2.84	14.78	124	106	130
Unit 2	1.70	15.62	153	0	0
Unit 3	3.57	18.76	164	0	150
Unit 4	4.53	22.39	192	175	210
Unit 5	10.35	51.14	445	380	450
Unit 6	9.00	44.65	400	310	400
Unit 7	0.00	0.00	0	0	0
Total	31.98	167.34			1340
Paras					
Unit 3	4.52	20.20	218	159	190
Unit 4	5.50	23.81	240	204	220
Total	10.02	44.02			410
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.71	18.44	190	130	160
Unit 3	3.84	19.15	206	152	170
Unit 4	3.79	18.97	207	152	170
Unit 5	8.93	43.29	500	310	350
Total	20.27	99.85			850
Nasik					
Unit 3	4.38	21.49	195	175	175
Unit 4	4.47	21.92	195	174	183
Unit 5	0.00	16.42	0	0	0
Total	8.85	59.82			358
Uran					
All Units	8.93	44.27	426	0	450
Total	8.93	44.27			450
PENCH (MS)					
Pench (MS)	0.01	0.33	8	0	0
Total	0.01	0.33			0
Koyna					
Stage 1-2	3.60	10.62	450	35	600
Stage 4	0.56	0.58	200	0	250
Stage 3	0.99	2.69	158	0	240
Kovna 12&4 Total	4.16	11.19			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.15	13.89			1090
Hydro					
KDPH	0.28	1.99	19	8	18
VTRNA	0.55	2.42	61	0	61
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.08	0.22	40	0	0
RNGR+BHTSA	0.26	0.32	11	10	1
BHANDARDRA	0.00	0.40	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.30	1.55	19	10	15
GHATGHAR	1.46	7.42	250	0	0
Total	2.93	14.33			95
Wind					
MalharPeth	0.87	4.33			
Vankuswadi	1.56	7.95			
ATIT	0.21	0.95			
Kale	0.51	2.46			
Satara	10.55	58.73			
Shirala	0.60	3.08			
K Mahankal	0.05	0.30			
Supa	0.17	1.14			
Vita	2.34	12.52			
Dondaicha	7.89	42.83			
Sakri	1.11	6.19			
Nandurbar	0.80	4.63			
Khandke	0.62	3.61			
Khaparale	1.04	5.39			
Total	28.30	154.12			
CPP					
JSW JAIGAD	26.23	132.72	1172	958	1100
WARDHA	2.17	11.05	95	86	88
Adani	56.58	255.68	2487	2008	2446
Other CPPs	18.48	79.34			745
Total	103.46	478.79			4379
SOLAR					
Total	1.01	5.02			
Total	1.01	5.02			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.66	57.37	503	327	500
Trombay 6	3.69	20.29	156	151	500
Trombay 7A	2.28	10.94	109	79	120
Trombay 7B	1.43	6.98	64	54	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	2.42	11.10	213	0	447
Total	21.48	106.68			1627
REL					
1&2	12.37	61.72	524	457	500
Total	12.37	61.72			500
Cent Sect					
Share					5367
Total					5367
MS PG CL	Thermal	111.46	557.69		4643
	Thml+Gas	120.39	601.96		5093
	Hydro	8.08	28.22		1185
	Total	128.47	630.18		6278
State Total		295.10	1447.52		18151

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/Jul/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	4391	202	412	5005	1375	4020	0	4439	4600	-894	-864	14144	62	14206	2172	16378	49.79
2	4378	111	414	4903	1398	4240	0	4446	4053	-956	-672	13922	30	13952	1982	15934	49.87
3	4463	81	413	4957	1395	4084	0	4225	4185	-907	-570	14051	30	14081	1880	15961	49.87
4	4417	81	411	4909	1384	4221	0	4209	4144	-756	-604	14054	30	14084	1815	15899	49.79
5	4463	96	414	4973	1296	4256	0	4203	4079	-744	-723	13881	30	13911	1792	15703	49.83
6	4446	96	412	4954	1177	4330	0	4524	4584	-805	-650	14395	50	14445	1849	16294	49.77
7	4437	325	413	5175	1047	4411	6	4522	4659	-835	-555	14743	133	14876	1878	16754	49.86
8	4412	517	419	5348	961	4458	21	4698	4713	-879	-635	14866	315	15181	1976	17157	49.92
9	4528	411	419	5358	1074	4435	55	4916	4878	-980	-888	14912	455	15367	2227	17594	49.92
10	4582	579	0	5161	920	4324	96	5364	5676	-1166	-1151	15026	321	15347	2548	17895	49.84
11	4585	676	243	5504	814	4488	111	5392	5801	-1302	-1282	15436	304	15740	2832	18572	49.81
12	4789	716	310	5815	744	4410	129	5445	5706	-1374	-1348	15456	351	15807	2883	18690	49.83
13	5306	377	296	5979	715	4448	154	5299	5521	-1351	-1354	15463	470	15933	2873	18806	49.81
14	5248	553	357	6158	679	4269	139	5121	5484	-1212	-1308	15421	432	15853	2803	18656	49.79
15	5157	804	359	6320	776	4146	115	5211	5501	-1191	-1314	15544	346	15890	2824	18714	49.77
16	4883	758	358	5999	939	4280	85	5321	5409	-1165	-1297	15415	270	15685	2813	18498	49.73
17	4728	395	320	5443	1273	4134	59	4885	5140	-1155	-1262	14787	287	15074	2773	17847	49.83
18	4682	63	419	5164	1568	4308	34	4033	3998	-995	-1224	13848	361	14209	2691	16900	49.96
19	4696	143	424	5263	1485	4326	4	3255	3407	-955	-1122	13363	247	13610	2610	16220	49.96
20	4663	149	421	5233	1639	4368	0	3915	3690	-940	-1145	13785	350	14135	2634	16769	49.80
21	4680	139	422	5241	1509	4369	0	4113	4137	-1075	-1139	14117	271	14388	2629	17017	49.85
22	4528	139	420	5087	1359	4358	0	3926	3814	-1000	-1099	13519	191	13710	2581	16291	49.86
23	4571	178	425	5174	1367	4373	0	3936	3849	-904	-984	13779	93	13872	2474	16346	49.71
24	4430	487	426	5343	1411	4409	0	4088	4010	-894	-945	14233	81	14314	2444	16758	49.82
MUs	111.46	8.08	8.93	128.47	28.30	103.46	1.01	109.49	111.04	-24.43	-24.14	348.16	5.51	353.67	57.98	411.65	49.83

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 05/Jul/2014

Position as on 6.30 Hrs of 06/Jul/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	06/07/2014	20.37	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	05/07/2014	00.29	AOH.	
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).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	I D Fan Bearing Temperature High.	
Uran Unit 5	108	23/06/2014	21.33		Continued.	For Changeover.	
CPP IPL U-1	270	26/06/2014	05.46		Continued.	Coal Shortage.	
Parli Unit 4	210	29/06/2014	10.19		Continued.	Coal Shortage	
Uran Unit A0	120	01/07/2014	23.21	05/07/2014	13.27	Gas Shortage.	
Uran Unit 6	108	01/07/2014	23.23	05/07/2014	10.31	Gas Shortage.	
Chandrapur Unit 2	210	04/07/2014	18.35	05/07/2014	11.26	Stn T/F Tripped.	
Nasik Unit 5	210	04/07/2014	19:35	06/07/2014	12.45	BTL	
Uran Unit A0	120	05/07/2014	09.20	05/07/2014	13.27	genretor signalling problem	
Uran Unit 6	108	05/07/2014	09.20	05/07/2014	10.31	genretor signalling problem	
Uran Unit 7	108	05/07/2014	09.20	05/07/2014	10.04	genretor signalling problem	
Uran Unit 8	108	05/07/2014	09.20	05/07/2014	10.10	genretor signalling problem	
Uran Unit B0	120	05/07/2014	09.20	05/07/2014	11.37	genretor signalling problem	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 05/Jul/2014

Position as on 6.30 Hrs of 06/Jul/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
CPP IPL U-2	270	05/07/2014	13.38	05/07/2014	15.15	boiler tripped	
Chandrapur Unit 3	210	05/07/2014	22.56		Continued.	due to work of safty valve	
Bhusawal Unit 2	210	06/07/2014	11.17		Continued.	ID Fan Problem	
Paras Unit 4	250	06/07/2014	19.26		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Jul/2014

Position as on 6.30 Hrs of 06/Jul/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Bhusawal - Koradi	05/07/2014	15.53	05/07/2014	16.03	attend oil leakage in reactor
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalmeshwar - Pandurna	06/07/2014	08.23	06/07/2014	17.39	Conversion of SSN to DSN
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	04/07/2014	16.42	05/07/2014	08.29	Over Voltage.
Kolhapur - Mapusa - I	05/07/2014	16.36	06/07/2014	10.21	over voltage
Kolhapur - Mapusa - II	06/07/2014	16.11		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	03/07/2014	06.28		Continued.	Distance Protection.
Bhusawal - Koradi	05/07/2014	18.55	05/07/2014	23.36	distance protection
765 KV Aurangabad PG - Wardha PG - II	06/07/2014	22.27		Continued.	Distance Protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
765 KV Wardha PG - Aurangabad PG 1	05/07/2014	18.28	05/07/2014	18.30	I/S
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Nagar - I	05/07/2014	09.07	05/07/2014	19.29	R phase LA replacement at bblr.
220/132 KV 200 MVA ICT - I @ Babaleshwar	05/07/2014	09.15	05/07/2014	12.05	Q.M.work
Ghatghar-Bapgaon	05/07/2014	09.30	05/07/2014	15.13	safety purpose ,nsk-ghatghar outage
Ghatghar-Nasik	05/07/2014	09.45	05/07/2014	14.07	at loc no.5 insulator replacement work
Chinchwad - Hinjewadi	05/07/2014	10.45	05/07/2014	18.08	testing work
Kalwa - Salshet - III	06/07/2014	06.07	06/07/2014	20.20	Relay Work
Chandrapur - Warora	06/07/2014	07.00	06/07/2014	16.31	OPGW and E/W replacement work
Chandrapur-Wani	06/07/2014	07.03	06/07/2014	16.38	OPGW and E/W replacement work
Khaparkheda-Kawlewada-I	06/07/2014	08.43	06/07/2014	12.33	Conversion of STN to DTN
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	04/07/2014	16.20	05/07/2014	12.59	Over Voltage.
Karad-Jaigad I	04/07/2014	16.37	05/07/2014	08.18	Over Voltage.
Karad - Kolhapur - I	05/07/2014	17.25	06/07/2014	07.46	over voltage
Bhusawal- Aurangabad	05/07/2014	18.12	06/07/2014	11.08	over voltage
Karad - Kolhapur - I	06/07/2014	16.09		Continued.	Over Voltage
Bhusawal- Aurangabad	06/07/2014	17.11		Continued.	Over Voltage
Karad-Jaigad I	06/07/2014	18.54		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		
Lonikand-Karad	04/07/2014	03.16	05/07/2014	07.55	R-Ph CT Burst Bus Bar Prot Optd.
400/15.75KV 250MVA GT II at CHDPR	04/07/2014	18.35	05/07/2014	11.26	Bus Bar Prot Optd.
Voltage Level : 220KV			Outage Type TRIPPED		
Pusad - Ghatodi	12/06/2014	17.40		Continued.	At loc.no 27,28 D/C tower 220KV Nanded-Ghatodi & 220KV Pusad-

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 05/Jul/2014

Position as on 6.30 Hrs of 06/Jul/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.	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)
Aurangabad-Jalna-II	02/07/2014	14.33		Continued.	Heavy Rain @ Aurangabad S/S load Trimming Schem Operated,Ckt Charged from Chikhli End @ 15.15 Hrs DT 2.7.14.
Voltage Level : 132KV			Outage Type TRIPPED		
Chitegaon-Paithan	06/07/2014	06.16		Continued.	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Jul/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	160
	620	160
Bhusawal		
Unit 2	210	123
Unit 3	210	132
Unit 4	500	368
Unit 5	500	354
	1420	977
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	140
Unit 6	250	185
Unit 7	250	185
	1130	510
Chandrapur		
Unit 1	210	125
Unit 2	210	155
Unit 3	210	0
Unit 4	210	195
Unit 5	500	445
Unit 6	500	395
Unit 7	500	0
	2340	1315
Paras		
Unit 3	250	189
Unit 4	250	223
	500	412
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	198
Unit 5	210	0
	630	388
Uran		
All Units	852	450
	852	450
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	19
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	11
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	139
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	1060
WARDHA	405	88
Adani	2640	2446
Other CPPs	300	745
	4545	4339
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	5451
	3455	5451

	21940	18208
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