



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Jul/2013

State Load Dispatch Center,Airoli (MSETCL)

Daily system Report for 05/Jul/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	79.711	402.354	1) Gujrat	18.719	56.636
2) Hydro	7.933	29.310	2) Madhya Pradesh	16.235	89.344
3) Gas	7.227	49.371	3) Chattisgarh	7.050	33.770
Total MSGENCO	94.871	481.035	4) Maharashtra	56.046	283.821
B) 1) JSW JAIGAD	22.261	88.210	5) Goa	-5.112	-24.305
2) WPCL	8.108	40.142	6) TAPS 1&2 Injection	3.701	18.513
3) ADANI	14.540	118.420	7) RGPPL Injection	7.131	32.508
4) Other CPP / IPP	4.404	36.995	8) Pench (Excess)	-0.232	-1.434
5) Wind Generation	24.582	135.443	# Total Cent. Sector	103.538	488.853
6) PENCH (MS)	0.232	1.434	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-17.970	-89.073
1) TPCL Thermal	23.672	116.951	G) Bilateral Power *		
2) TPCL Hydro	5.254	25.266	1) MSEDCL Bilateral	33.383	182.100
TOTAL TPCL	28.926	142.217	Include PX	-5.109	-7.118
3) REL Thermal	11.883	57.724	2) MUMBAI Bilateral	14.993	69.792
D) STATE			Include PX	4.379	9.398
1) Thermal (A1+C1+C3)	115.266	577.029	3) MUMBAI Schedule	14.993	69.792
2) Hydro (A2+B5+C2)	13.419	56.010	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.227	49.371	1) MSEDCL	254.566	1301.459
4) Wind (B4)	24.582	135.443	2) TPCL	38.548	189.611
5) CPP (B1+B2+B3)	49.313	179.887	3) REL	20.228	99.397
TOTAL STATE	209.807	997.740	TOTAL STATE	313.342	1590.467

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3241	3497	3141
MSGENCO Hydro	375	761	131
MSGENCO Gas	319	310	322
MSGENCO Total Generation	3935	4568	3594
Central Sector Receipt	4733	4260	4088
WIND	1077	950	835
CPP / IPP	2088	2270	1826
Exchange with Mumbai	-982	-695	-450
MSEDCL DEMAND MET	10851	11353	9919
Load Shedding	309	143	65
MSEDCL DEMAND	11160	11496	9984
TPCL GENERATION	1457	1492	841
R-INFRA GENERATION	526	524	400
TPCL+R-INFRA DEMAND	2965	2711	1691
STATE DEMAND MET	13816	14064	11610
STATE DEMAND	14125	14207	11675
Frequency (Hz)	49.97	49.85	50.11

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 01:21 Hrs	48.99 Hz at 19:45 Hrs	49.93	.439 % 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/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.37	5.65	150	121	150
Unit 6	3.12	15.60	150	115	145
Unit 7	0.00	0.00	0	0	0
Total	6.48	21.25			295
Bhusawal					
Unit 2	3.28	17.44	155	105	130
Unit 3	3.05	17.03	160	105	130
Unit 4	5.98	23.36	325	0	210
Unit 5	0.00	12.40	0	0	0
Total	12.30	70.22			470
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	0.00	0.00			0
Chandrapur					
Unit 1	3.51	16.88	150	137	160
Unit 2	3.49	17.46	153	135	150
Unit 3	0.00	8.81	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	4.81	25.09	230	140	200
Unit 6	4.91	21.53	221	165	200
Unit 7	5.71	28.06	261	220	250
Total	22.43	117.83			960
Paras					
Unit 3	3.96	19.99	180	152	200
Unit 4	4.40	21.28	200	153	200
Total	8.36	41.27			400
Khaparkheda					
Unit 1	2.42	11.83	120	75	160
Unit 2	2.02	8.82	160	0	0
Unit 3	3.62	12.88	166	138	170
Unit 4	3.86	20.33	175	147	170
Unit 5	5.43	35.20	308	0	350
Total	17.35	89.06			850
Nasik					
Unit 3	4.30	21.02	190	165	195
Unit 4	4.23	20.80	184	170	180
Unit 5	4.26	20.91	191	167	195
Total	12.79	62.72			570
Uran					
All Units	7.23	49.37	328	139	350
Total	7.23	49.37			350
PENCH (MS)					
Pench (MS)	0.23	1.43	27	0	0
Total	0.23	1.43			0
Koyna					
Stage 1-2	3.20	9.62	400	40	520
Stage 4	0.32	2.02	199	0	250
Stage 3	1.50	6.62	158	0	240
Kovna 12&4 Total	3.52	11.64			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.03	18.26			1010
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.56	0	0	61
TILLARI	0.28	0.88	60	0	60
BHTGR/VEER	0.04	0.04	2	1	0
BHIRA T.R.	0.46	2.38	80	0	80
RNGR+BHTSA	0.01	0.06	1	0	0
BHANDARDRA	0.31	0.60	27	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.41	1.38	17	17	0
GHATGHAR	1.39	5.14	250	0	0
Total	2.91	11.05			201
Wind					
MalharPeth	0.81	6.36			
Vankuswadi	1.51	10.06			
ATIT	0.21	2.43			
Kale	0.55	3.58			
Satara	7.07	34.33			
Shirala	0.49	3.80			
K Mahankal	0.10	2.06			
Supa	0.32	1.75			
Vita	2.98	17.55			
Dondaicha	6.58	33.45			
Sakri	1.12	5.57			
Nandurbar	0.61	3.27			
Khandke	1.28	5.98			
Khaparale	0.96	5.26			
Total	24.58	135.44			
CPP					
JSW JAIGAD	22.26	88.21	967	858	900
WARDHA	8.11	40.14	343	331	340
Adani	14.54	118.42	840	440	617
Other CPPs	4.40	37.00			
Total	49.31	283.77			1857
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.03	49.08	502	314	500
Trombay 6	3.55	17.97	149	148	500
Trombay 7A	2.92	14.59	123	119	120
Trombay 7B	1.62	8.09	68	66	60
Trombay 8	5.55	27.23	254	187	250
TATA Hydro	5.25	25.27	442	0	447
Total	28.93	142.22			1877
REL					
1&2	11.88	57.72	526	396	500
Total	11.88	57.72			500
Cent Sect					
Share					4525
Total					4525

MS PG CL	Thermal	79.71	402.35			3545
	Thml+Gas	86.94	451.72			3895
	Hydro	7.93	29.31			1211
	Total	94.87	481.04			5106
State Total		209.81	997.74			13865

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/Jul/2013

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3128	322	139	3589	958	2026	3994	4388	-530	-595	10393	84	10477	2044	12521	50.09
2	2963	212	212	3387	953	2023	3960	4344	-435	-485	10249	64	10313	1858	12171	50.19
3	3005	212	321	3538	901	1912	3981	4237	-421	-501	10114	65	10179	1756	11935	50.02
4	3141	131	322	3594	835	1826	4040	4088	-421	-450	9919	65	9984	1691	11675	50.11
5	3213	77	321	3611	873	1850	4141	4277	-421	-433	10204	77	10281	1677	11958	50.06
6	3162	280	321	3763	912	1985	3798	4526	-421	-492	10721	131	10852	1766	12618	49.94
7	3206	631	321	4158	952	2050	3797	4523	-437	-577	11132	187	11319	1909	13228	50.07
8	3296	774	321	4391	925	2061	4260	4544	-453	-592	11346	185	11531	2067	13598	49.96
9	3406	531	320	4257	948	2055	4336	4492	-521	-535	11217	186	11403	2400	13803	49.94
10	3295	436	319	4050	1022	2065	4602	4552	-670	-721	10968	279	11247	2733	13980	49.90
11	3241	375	319	3935	1077	2088	4771	4733	-896	-982	10851	309	11160	2965	14125	49.97
12	3239	312	318	3869	1024	2090	4507	4461	-933	-1042	10402	359	10761	3040	13801	49.94
13	3308	163	319	3790	1216	2014	4274	4201	-886	-1021	10200	425	10625	3005	13630	49.96
14	3367	91	314	3772	1238	1933	4279	4278	-702	-912	10309	189	10498	2886	13384	49.88
15	3388	101	319	3808	1197	1929	4279	4289	-808	-973	10250	125	10375	2931	13306	49.78
16	3404	81	319	3804	1293	1900	4383	4279	-811	-994	10282	98	10380	2946	13326	49.92
17	3423	81	287	3791	1381	1970	4265	4011	-760	-1104	10049	92	10141	2924	13065	49.92
18	3464	63	252	3779	1285	2114	4386	3934	-573	-1192	9920	87	10007	2850	12857	49.86
19	3432	163	300	3895	1241	2195	3893	4043	-572	-1085	10289	80	10369	2729	13098	49.82
20	3479	542	307	4328	971	2290	4512	4451	-640	-788	11252	84	11336	2722	14058	49.65
21	3497	761	310	4568	950	2270	4248	4260	-666	-695	11353	143	11496	2711	14207	49.85
22	3525	516	311	4352	844	2263	4161	4336	-684	-699	11096	91	11187	2572	13759	49.96
23	3613	679	307	4599	810	2204	4027	4114	-687	-635	11109	63	11172	2411	13583	49.83
24	3516	399	328	4243	776	2200	4151	4177	-642	-467	10941	61	11002	2186	13188	49.80
MUs	79.71	7.93	7.23	94.87	24.58	49.31	101.04	103.54	-14.99	-17.97	254.57	3.53	258.10	58.78	316.87	49.93

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/2013

Position as on 6.30 Hrs of 06/Jul/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Cent_Sect Tarapur 2	160	31/12/2012	17.05		Continued.	Refuelling work	
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage/AOH from 06.03.2013	
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Parli Unit 7	250	17/02/2013	01.00		Continued.	Water Shortage.	
Chandrapur Unit 4	210	15/06/2013	13.33		Continued.	Annual Overhaul	
Koyna Unit 5	80	01/07/2013	07.35		Continued.	Maint.Work.	
FORCED OUTAGE							
CPP Adani U-2	660	22/04/2013	13.47	05/07/2013	15.52	ID fan problem.	
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Koyna Unit 11	80	04/06/2013	13.25		Continued.	Rotar Fault.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
CPP WPCL U-4	135	12/06/2013	03.27		Continued.	Turbine Balancing.	
Uran Unit 8	108	21/06/2013	10.15		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	
Koradi Unit 7	210	30/06/2013	09.42		Continued.	GC-2 Heavy Gland Flag Leakage.	
Khaparkheda Unit 2	210	02/07/2013	23.43	05/07/2013	05.21	Boiler Vailidity Extention.	
Chandrapur Unit 3	210	03/07/2013	10.50		Continued.	Boiler Tube Leakage.	
CPP VIPL	300	03/07/2013	12.29		Continued.	CHP Problem.	
Bhusawal Unit 5	500	03/07/2013	23.40		Continued.	ESP Problem.	
CPP Adani U1	660	04/07/2013	20.11		Continued.	BOILER TUBE LEAKAGE	
Uran Unit 6	108	04/07/2013	23.11		Continued.	Turbine Trip.	
Uran Unit 5	108	05/07/2013	00.30		Continued.	Turbine Trip.	
Bhusawal Unit 4	500	05/07/2013	00.50	05/07/2013	02.40	Drum Level High.	
Khaparkheda Unit 5	500	05/07/2013	09.24	05/07/2013	11.30	Flame Failure.	
CPP JSW (J) U2	300	05/07/2013	22.00		Continued.	C.T.L.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Jul/2013

Position as on 6.30 Hrs of 06/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Chandrapur-Bhadravti - I	09/06/2013	16.16		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	13/06/2013	17.07	05/07/2013	14.36	Over Voltage.
Wardha - Seoni - I	01/07/2013	08.35		Continued.	Over Voltage
Solapur PG - Parly PG - I	01/07/2013	17.10	06/07/2013	06.02	Over Voltage.
Warora - Tiroda - II	04/07/2013	19.44	05/07/2013	18.57	Over Voltage.(One Unit on Bar)
Kolhapur-Solapur(PGCIL)-I	05/07/2013	14.52		Continued.	Over Voltage.
Lamboti - Solapur (PGCIL)	05/07/2013	18.26		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Satpur	14/06/2013	02.02		Continued.	Over Voltage.
Akola - Aurangabad- II	03/07/2013	14.51		Continued.	Bus Bar Protection Operated.(Opportunity Outage)For Jack bus conductor Repl.
Akola - Aurangabad - I	04/07/2013	16.00	05/07/2013	07.21	Bus Bar Protection Operated @ Aurangabad Main Bus - II.
Solapur - Solapur (PG)	04/07/2013	18.36	05/07/2013	06.45	Over Voltage.
Akola - Wardha - I	05/07/2013	02.21	05/07/2013	05.49	Over Voltage.
Akola - Wardha - II	05/07/2013	02.21	05/07/2013	08.00	Over Voltage.
Kolhapur - Mapusa - II	05/07/2013	17.10		Continued.	Bus Bar Prot Operated.
Akola - Wardha - II	06/07/2013	01.54	06/07/2013	05.59	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT-I @ Deepnagar	07/06/2013	17.03		Continued.	ICT charged through Tie Bay due to higher Tan Delta Values of HV side R Phase Bus-II CT
400/220 KV 500 MVA ICT - I @ Solapur	04/07/2013	11.26	05/07/2013	06.07	Replacement of Y Ph.CVT.
Bus - I @ Lamboti	04/07/2013	11.26	05/07/2013	06.07	Replacement of Y Ph.CVT.
400/220KV,500MVA ICT-III At Kalwa.	05/07/2013	09.50	05/07/2013	13.17	To check fire detector of CTR.
Padgha - Nagothane - I	05/07/2013	10.05	05/07/2013	15.05	Pilot string replacement.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main CB of 220/100kV 200 MVA ICTIII @ Padgha	22/05/2013	10.46		Continued.	Repl.of A bus,B bus isolator under JICA scheme.ICT on TBC.
220/110KV,200 MVA ICT-I at Mudshingi	05/07/2013	09.40	05/07/2013	12.35	Q.M.Work
Kalwa-Temghar	05/07/2013	10.30	05/07/2013	18.47	To attend hot spot.
Lonand-Sona Alloy	05/07/2013	11.55	05/07/2013	18.20	Taken on TBC,Scada Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.
Dabhol - Nagothane - I	06/06/2013	21.21		Continued.	Over Voltage
Karad - Newkoyna - I	23/06/2013	16.36		Continued.	Over Voltage
Dabhol - New Koyna - I	30/06/2013	10.42		Continued.	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Jul/2013

Position as on 6.30 Hrs of 06/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - II	02/07/2013	21.23		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	04/07/2013	18.51		Continued.	Over Voltage.
Koradi - II - Indiabull	05/07/2013	01.17	05/07/2013	06.43	Over Voltage.
Karad - Kolhapur - I	05/07/2013	17.10		Continued.	Over Voltage.
400/220KV,315 MVA ICT-I at Kolhapur.	05/07/2013	17.10	05/07/2013	17.45	Bus Bar Prot Operated.
400/220 KV 315MVA ICT-II @ Kolhapur	05/07/2013	17.10	05/07/2013	17.50	Bus Bar Prot Operated.
Lonikand- Koyna Stage IV	06/07/2013	00.15		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Kalwa-Mulund-I	04/07/2013	12.07	05/07/2013	12.01	Sparking @ Y Ph Jumper Between Bus & Isolator @ Mulund S/S.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated Declared Faulty by Genco.
Akola - Indiabull (Nandgaonpeth)	04/07/2013	13.06		Continued.	Over Voltage.
Dhule - Babhaleshwar - I	04/07/2013	23.50	05/07/2013	02.21	Over Voltage.
Koradi - II - Indiabull	05/07/2013	01.14	05/07/2013	06.43	Over Voltage.
Akola - Bhusawal	05/07/2013	02.21	06/07/2013	05.49	Over Voltage.
Chandrapur - Parli - III	06/07/2013	02.25		Continued.	Dist Prot.
C'pur-Parli II	06/07/2013	05.40		Continued.	Dist prot operated.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Padegaon-Pishor	05/07/2013	11.50	05/07/2013	12.20	Dist Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Jul/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	125
Unit 6	210	120
Unit 7	210	0
	620	245
Bhusawal		
Unit 2	210	160
Unit 3	210	150
Unit 4	500	323
Unit 5	500	
	1420	633
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	0
Unit 4	210	0
Unit 5	500	225
Unit 6	500	210
Unit 7	500	230
	2340	965
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	170
Unit 4	210	170
Unit 5	500	300
	1340	950
Nasik		
Unit 3	210	195
Unit 4	210	180
Unit 5	210	195
	630	570
Uran		
All Units	852	350
	852	350
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	240
	1920	1010
Hydro		
KDPH	40	0
VTRNA	60	17

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	160
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	868
WARDHA	405	325
Adani	1320	1234
Other CPPs	300	
	3225	2427
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4541
	3455	4541