



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Jul/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Jul/2013 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	89.020	174.334	1) Gujrat	6.687	13.744
2) Hydro	4.831	9.244	2) Madhya Pradesh	19.200	38.510
3) Gas	10.629	21.348	3) Chattisgarh	7.880	16.390
Total MSGENCO	104.480	204.926	4) Maharashtra	59.882	115.992
B) 1) JSW JAIGAD	14.768	29.484	5) Goa	-4.692	-9.295
2) WPCL	7.997	15.981	6) TAPS 1&2 Injection	3.696	7.388
3) ADANI	27.340	54.920	7) RGPPL Injection	6.378	12.662
4) Other CPP / IPP	10.827	21.531	8) Pench (Excess)	-0.346	-0.611
5) Wind Generation	22.959	46.766	# Total Cent. Sector	98.685	194.780
6) PENCH (MS)	0.346	0.611	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-17.665	-34.983
1) TPCL Thermal	23.097	46.042	G) Bilateral Power *		
2) TPCL Hydro	5.350	10.066	1) MSEDCL Bilateral	41.628	85.427
TOTAL TPCL	28.447	56.108	Include PX	-0.780	-0.780
3) REL Thermal	11.227	22.436	2) MUMBAI Bilateral	14.647	29.124
D) STATE			Include PX	1.648	3.049
1) Thermal (A1+C1+C3)	123.344	242.812	3) MUMBAI Schedule	14.647	29.124
2) Hydro (A2+B5+C2)	10.527	19.921	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.629	21.348	1) MSEDCL	269.737	534.016
4) Wind (B4)	22.959	46.766	2) TPCL	37.493	74.334
5) CPP (B1+B2+B3)	60.932	94.336	3) REL	19.845	39.193
TOTAL STATE	228.391	425.183	TOTAL STATE	327.075	647.543

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3722	3811	3538
MSGENCO Hydro	611	203	51
MSGENCO Gas	440	436	448
MSGENCO Total Generation	4773	4450	4037
Central Sector Receipt	4846	4308	3190
WIND	568	1233	1208
CPP / IPP	2656	2648	2214
Exchange with Mumbai	-865	-662	-440
MSEDCL DEMAND MET	12004	12003	10209
Load Shedding	53	108	54
MSEDCL DEMAND	12057	12111	10263
TPCL GENERATION	1526	1470	840
R-INFRA GENERATION	524	524	390
TPCL+R-INFRA DEMAND	2915	2656	1670
STATE DEMAND MET	14919	14659	11879
STATE DEMAND	14972	14767	11933
Frequency (Hz)	49.87	49.94	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.24 Hz at 13.00 Hrs	49.54 Hz at 22.18 Hrs	49.96	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 02/Jul/2013

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	3.23	6.22	145	120	135
Unit 7	0.00	0.00	0	0	0
Total	3.23	6.22			135
Bhusawal					
Unit 2	3.44	7.44	155	125	170
Unit 3	3.54	7.33	155	130	160
Unit 4	4.09	7.97	225	140	215
Unit 5	3.97	9.64	200	105	
Total	15.04	32.39			545
Parli					
Unit 3	0.00	0.00	0	0	
Unit 4	0.00	0.00	0	0	
Unit 5	0.00	0.00	0	0	
Unit 6	0.00	0.00	0	0	
Unit 7	0.00	0.00	0	0	
Total	0.00	0.00			
Chandrapur					
Unit 1	3.26	6.88	142	120	150
Unit 2	3.63	7.42	158	144	160
Unit 3	3.99	7.88	186	130	190
Unit 4	0.00	0.00	0	0	0
Unit 5	5.81	11.13	265	215	225
Unit 6	5.32	8.97	242	200	200
Unit 7	5.99	12.08	287	220	275
Total	27.99	54.36			1200
Paras					
Unit 3	3.86	8.33	181	142	230
Unit 4	4.24	8.91	201	160	230
Total	8.10	17.24			460
Khaparkheda					
Unit 1	2.82	5.01	160	90	160
Unit 2	3.74	6.80	170	90	140
Unit 3	1.98	1.98	174	0	0
Unit 4	4.54	8.95	200	170	180
Unit 5	9.16	16.48	444	333	350
Total	22.24	39.22			830
Nasik					
Unit 3	4.16	8.34	190	170	195
Unit 4	4.14	8.26	185	164	180
Unit 5	4.13	8.31	180	164	195
Total	12.43	24.90			570
Uran					
All Units	10.63	21.35	453	432	430
Total	10.63	21.35			430
PENCH (MS)					
Pench (MS)	0.35	0.61	27	0	
Total	0.35	0.61			
Koyna					
Stage 1-2	1.70	3.13	410	40	520
Stage 4	0.00	0.15	0	0	250
Stage 3	0.90	1.90	140	0	240
Kovna 12&4 Total	1.70	3.28			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.60	5.17			1010
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.22	0.22	61	0	0
TILLARI	0.29	0.58	59	0	60
BHTGR/VEER	0.00	0.00	0	0	
BHIRA T.R.	0.45	0.84	81	0	80
RNGR+BHTSA	0.00	0.00	0	0	
BHANDARDRA	0.00	0.00	0	0	
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.27	0.43	12	11	
GHATGHAR	1.00	2.00	250	0	
Total	2.23	4.07			140
Wind					
MalharPeth	1.01	2.17			
Vankuswadi	1.83	3.38			
ATIT	0.22	0.51			
Kale	0.70	1.42			
Satara	6.72	14.94			
Shirala	0.56	1.20			
K Mahankal	0.12	0.23			
Supa	0.28	0.56			
Vita	3.22	6.47			
Dondaicha	5.55	9.98			
Sakri	0.80	1.57			
Nandurbar	0.53	0.97			
Khandke	0.68	1.89			
Khaparale	0.73	1.47			
Total	22.96	46.77			
CPP					
JSW JAIGAD	14.77	29.48	625	599	562
WARDHA	8.00	15.98	346	302	344
Adani	27.34	54.92	1420	840	1234
Other CPPs	10.83	21.53			390
Total	60.93	121.92			2530
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.66	19.12	500	313	500
Trombay 6	3.55	7.15	149	148	500
Trombay 7A	2.93	5.85	123	121	120
Trombay 7B	1.62	3.24	68	67	60
Trombay 8	5.34	10.68	252	189	250
TATA Hydro	5.35	10.07	437	0	447
Total	28.45	56.11			1877
REL					
1&2	11.23	22.44	526	390	500
Total	11.23	22.44			500
Cent Sect					
Share					4549
Total					4549

MS PG CL	Thermal	89.02	174.33			3740
	Thml+Gas	99.65	195.68			4170
	Hydro	4.83	9.24			1150
	Total	104.48	204.93			5320
State Total		228.39	425.18			14776

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/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	3556	51	447	4054	1296	2743	4187	3927	-474	-678	11362	83	11445	1909	13354	49.99
2	3580	56	447	4083	1257	2195	3442	3451	-471	-530	10456	53	10509	1761	12270	49.98
3	3538	51	448	4037	1208	2214	3231	3190	-463	-440	10209	54	10263	1670	11933	49.94
4	3609	51	448	4108	1082	2199	3157	3318	-423	-390	10317	54	10371	1620	11991	50.07
5	3600	86	448	4134	895	2207	3140	3597	-406	-387	10446	54	10500	1619	12119	50.00
6	3588	561	444	4593	882	2303	3615	3817	-541	-490	11105	82	11187	1722	12909	49.89
7	3593	266	445	4304	855	2544	4121	4106	-549	-613	11198	141	11339	1846	13185	50.01
8	3655	152	443	4250	656	2648	4219	4481	-549	-627	11428	135	11563	2023	13586	49.96
9	3656	263	446	4365	869	2639	4314	4788	-555	-650	12037	110	12147	2346	14493	49.94
10	3709	373	436	4518	657	2660	4370	4815	-611	-668	12008	107	12115	2678	14793	49.90
11	3722	611	440	4773	568	2656	4542	4846	-793	-865	12004	53	12057	2915	14972	49.87
12	3844	524	453	4821	616	2635	4488	4636	-841	-964	11771	56	11827	3000	14827	49.95
13	3756	378	443	4577	668	2560	4455	4490	-830	-932	11370	117	11487	2962	14449	49.98
14	3783	73	438	4294	753	2635	4477	4454	-675	-836	11300	64	11364	2838	14202	49.95
15	3743	51	449	4243	834	2672	4466	4456	-747	-837	11368	63	11431	2845	14276	49.94
16	3814	56	445	4315	856	2642	4476	4409	-744	-849	11373	68	11441	2860	14301	50.11
17	3743	51	450	4244	1003	2610	4411	4214	-678	-946	11135	77	11212	2837	14049	50.01
18	3824	60	441	4325	1106	2634	3730	3745	-561	-1112	10723	77	10800	2790	13590	49.99
19	3812	150	438	4400	1194	2649	3590	3728	-579	-988	11009	70	11079	2724	13803	49.99
20	3832	343	435	4610	1093	2631	4283	4087	-583	-732	11715	93	11808	2717	14525	49.91
21	3811	203	436	4450	1233	2648	4380	4308	-637	-662	12003	108	12111	2656	14767	49.94
22	3844	118	432	4394	1116	2647	4203	3968	-660	-628	11524	79	11603	2495	14098	49.93
23	3769	118	437	4324	1065	2616	4354	3910	-661	-904	11037	56	11093	2315	13408	49.85
24	3639	86	440	4165	1197	2345	4307	3944	-615	-937	10740	56	10796	2191	12987	49.98
MUs	89.02	4.73	10.63	104.38	22.96	60.93	97.96	98.68	-14.65	-17.66	269.64	1.91	271.55	57.34	328.89	49.96

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 02/Jul/2013

Position as on 6.30 Hrs of 03/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		Continued.	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.	
CPP JSW (J) U1	300	26/06/2013	16.48		Continued.	Condensar Tube Leakage.	
Khaparkheda Unit 3	210	27/06/2013	12.18	02/07/2013	10.28	Furnace Pressure High.	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Koradi Unit 5	200	29/06/2013	16.36		Continued.	ID Fan problem	
Koradi Unit 7	210	30/06/2013	09.42		Continued.	GC-2 Heavy Gland Flag Leakage.	
CPP INDIABULLS	270	02/07/2013	11.38	02/07/2013	12.54	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Jul/2013

Position as on 6.30 Hrs of 03/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad - I	28/06/2013	10.20	02/07/2013	06.12	Conductor Repl of Jap Bus.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	06/06/2013	16.44		Continued.	Over Voltage
Chandrapur-Bhadravti - I	09/06/2013	16.16		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	13/06/2013	17.07		Continued.	Over Voltage.
Seoni-Wardha-II 765KV.	14/06/2013	10.54		Continued.	Over Voltage
Solapur PG - Parly PG - I	01/07/2013	17.10		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	01/07/2013	23.01	02/07/2013	09.31	Over Voltage.
Dhule-Sar'Sarovar - I	03/07/2013	00.31	03/07/2013	06.39	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Satpur	14/06/2013	02.02		Continued.	Over Voltage.
Lamboti - Solapur (PGCIL)	01/07/2013	21.57	02/07/2013	06.14	Over Voltage.
Lamboti - Solapur (PGCIL)	03/07/2013	04.04	03/07/2013	06.54	Over Voltage.
Akola - Aurangabad - II	03/07/2013	04.04	03/07/2013	05.34	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
Akola - Bhusawal	02/07/2013	13.58	03/07/2013	06.01	For Attending Red Hot on R Ph.Akola Bay Line Isolator.
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.
Bableshtar-Bhenda	28/06/2013	09.32		Continued.	Modification of existing BBLR-Waluj & BBLSR Bhenda at Dound-Manmad Rly Crossing.
Aurangabad - Babaleshtar	28/06/2013	09.37		Continued.	Modification of existing BBLR-Waluj & BBLSR Bhenda at Dound-Manmad Rly Crossing.
Bhigwan-Kurkum	02/07/2013	09.30	02/07/2013	17.40	Replacement of Insulator.
Uran-ONGC	02/07/2013	09.54	02/07/2013	21.00	Bus Coupler & Bus PT Isolator Replacement.
220/110KV,200 MVA ICT-III at Miraj	02/07/2013	10.10	02/07/2013	15.01	R.M.Work.
Bale - Tuljapur	02/07/2013	10.14	02/07/2013	12.39	Q.M.Work.
ONGC-JNPT	02/07/2013	10.18	02/07/2013	21.05	Bus Coupler & Bus PT Isolator Replacement.
Apta-Uran-III	02/07/2013	10.26	02/07/2013	18.16	R.M.Work & Hot Spot.
Chikhali - Jalna - II	02/07/2013	10.31	02/07/2013	17.30	For Carrying out Rectification Work of Ckt @ Jalana.
Mudsinghi - Mumewadi - I	02/07/2013	10.35	02/07/2013	11.28	Hot Spot.
Wadkhal - NDIL - I	02/07/2013	11.10	02/07/2013	17.13	Pilot Work Connection.
Pedambe - Pophali	02/07/2013	13.05	02/07/2013	18.10	Hot Spot Maha Tranco Work.
Miraj - Mhaisal	02/07/2013	13.27	02/07/2013	17.22	Y Ph. L A Replacement.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA	12/07/2012	07.11		Continued.	Main Buchholz prot.operated

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Jul/2013

Position as on 6.30 Hrs of 03/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Spare Unit @ Koradi					
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
Khadka - Deepnagar - II	22/06/2013	09.46		Continued.	Over Voltage
Karad - Newkoyna - I	23/06/2013	16.36		Continued.	Over Voltage
Deepnagar-Aurangabad-I	28/06/2013	12.38	02/07/2013	02.18	Hot spot on bus isolator.
Dabhol - New Koyna - I	30/06/2013	10.42		Continued.	Over Voltage.
Karad - Kolhapur - I	02/07/2013	17.16		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	03/07/2013	00.19		Continued.	Over Voltage.
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.
Karad - Kolhapur - II	21/06/2013	21.23	02/07/2013	09.31	Over Voltage.
Karad - Kolhapur - I	01/07/2013	16.32		Continued.	Over Voltage.
Deepnagar-Aurangabad-II	02/07/2013	00.56		Continued.	Distance Protection.
Deepnagar-Aurangabad-I	02/07/2013	16.43	02/07/2013	16.56	D/T Sent While Shifting on Main Breaker.
Koradi - II - Indiabull	03/07/2013	04.04		Continued.	Over Voltage.
Parli - Lamboti	03/07/2013	04.04		Continued.	Over Voltage.
Koradi - New Koradi	03/07/2013	04.04		Continued.	Over Voltage.
Chandrapur - Parli - I	03/07/2013	05.16	03/07/2013	06.27	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Jul/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	0
	620	150
Bhusawal		
Unit 2	210	150
Unit 3	210	160
Unit 4	500	150
Unit 5	500	
	1420	460
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	150
Unit 4	210	0
Unit 5	500	250
Unit 6	500	200
Unit 7	500	230
	2340	1130
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	180
Unit 4	210	180
Unit 5	500	400
	1340	920
Nasik		
Unit 3	210	195
Unit 4	210	180
Unit 5	210	195
	630	570
Uran		
All Units	852	430
	852	430
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	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	201
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	562
WARDHA	405	344
Adani	1320	1234
Other CPPs	300	150
	3225	2290
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	4480
	3455	4480