



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Jul/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Jul/2013 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	62.428	1301.979	1) Gujrat	12.808	217.467
2) Hydro	10.763	115.461	2) Madhya Pradesh	15.898	287.429
3) Gas	10.762	164.213	3) Chattisgarh	7.880	113.860
Total MSGENCO	83.953	1581.653	4) Maharashtra	56.499	919.899
B) 1) JSW JAIGAD	23.054	347.294	5) Goa	-4.537	-79.411
2) WPCL	6.341	127.729	6) TAPS 1&2 Injection	3.616	56.775
3) ADANI	22.380	400.810	7) RGPPL Injection	0.000	93.175
4) Other CPP / IPP	8.160	138.608	8) Pench (Excess)	-0.373	-4.111
5) Wind Generation	32.415	426.862	# Total Cent. Sector	91.791	1605.083
6) PENCH (MS)	0.373	4.111	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-16.661	-272.417
1) TPCL Thermal	21.831	383.295	G) Bilateral Power *		
2) TPCL Hydro	6.353	82.780	1) MSEDCL Bilateral	11.484	622.006
TOTAL TPCL	28.184	466.075	Include PX	0.000	-33.576
3) REL Thermal	10.525	190.694	2) MUMBAI Bilateral	12.936	226.670
D) STATE			Include PX	2.088	30.739
1) Thermal (A1+C1+C3)	94.784	1875.968	3) MUMBAI Schedule	12.936	226.670
2) Hydro (A2+B5+C2)	17.489	202.352	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.762	164.213	1) MSEDCL	251.806	4359.733
4) Wind (B4)	32.415	426.862	2) TPCL	36.472	609.323
5) CPP (B1+B2+B3)	59.935	636.011	3) REL	18.896	319.843
TOTAL STATE	215.385	3305.406	TOTAL STATE	307.174	5288.899

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	2769	2640	2450
MSGENCO Hydro	313	1504	105
MSGENCO Gas	443	445	448
MSGENCO Total Generation	3525	4589	3003
Central Sector Receipt	4286	3714	3437
WIND	1243	1512	1190
CPP / IPP	2889	2377	2362
Exchange with Mumbai	-892	-885	-381
MSEDCL DEMAND MET	11078	11320	9634
Load Shedding	52	54	51
MSEDCL DEMAND	11130	11374	9685
TPCL GENERATION	1427	1233	892
R-INFRA GENERATION	525	398	396
TPCL+R-INFRA DEMAND	2844	2516	1669
STATE DEMAND MET	13922	13836	11303
STATE DEMAND	13974	13890	11354
Frequency (Hz)	49.97	49.85	50.07

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 21.50 Hrs	49.59 Hz at 19.09 Hrs	50.01	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 17/Jul/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.51	34.82	127	75	100
Unit 6	1.91	47.94	120	0	90
Unit 7	0.46	20.00	126	0	0
Total	4.88	102.76			190
Bhusawal					
Unit 2	3.00	54.56	145	95	116
Unit 3	2.39	42.56	120	1	98
Unit 4	4.96	94.84	260	140	225
Unit 5	0.00	12.40	0	0	
Total	10.34	204.36			439
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	2.44	55.28	135	0	120
Unit 2	2.93	57.38	144	65	100
Unit 3	3.24	37.89	171	119	150
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	67.99	0	0	0
Unit 6	3.93	85.16	225	125	180
Unit 7	5.32	93.70	238	200	250
Total	17.85	397.40			800
Paras					
Unit 3	3.21	65.70	144	125	170
Unit 4	3.73	72.21	173	114	170
Total	6.94	137.91			340
Khaparkheda					
Unit 1	0.00	36.04	0	0	0
Unit 2	3.48	47.30	175	110	160
Unit 3	3.04	49.03	165	0	180
Unit 4	3.70	66.82	172	140	180
Unit 5	3.95	107.55	237	81	300
Total	14.17	306.74			820
Nasik					
Unit 3	4.11	70.58	190	165	195
Unit 4	0.00	25.26	0	0	0
Unit 5	4.13	56.96	189	164	195
Total	8.24	152.80			390
Uran					
All Units	10.76	164.21	460	439	440
Total	10.76	164.21			440
PENCH (MS)					
Pench (MS)	0.37	4.11	27	0	
Total	0.37	4.11			
Koyna					
Stage 1-2	2.62	33.94	555	40	600
Stage 4	2.98	14.34	560	0	250
Stage 3	2.08	25.37	240	0	240
Kovna 12&4 Total	5.59	48.28			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.68	73.66			1090
Hydro					
KDPH	0.85	1.39	36	35	36
VTRNA	0.26	1.29	61	0	0
TILLARI	0.18	3.69	60	0	60
BHTGR/VEER	0.09	1.14	4	3	5
BHIRA T.R.	0.50	7.88	82	0	80
RNGR+BHTSA	0.03	0.31	2	1	2
BHANDARDRA	0.09	1.53	34	0	34
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.64	8.05	27	26	0
GHATGHAR	0.44	16.51	250	0	0
Total	3.09	41.80			217
Wind					
MalharPeth	1.16	20.33			
Vankuswadi	2.42	32.41			
ATIT	0.29	6.49			
Kale	0.77	11.58			
Satara	9.08	113.59			
Shirala	0.73	11.03			
K Mahankal	0.14	4.83			
Supa	0.29	4.52			
Vita	3.57	47.88			
Dondaicha	8.96	110.12			
Sakri	1.25	16.97			
Nandurbar	0.91	10.46			
Khandke	1.46	18.37			
Khaparale	1.37	18.27			
Total	32.42	426.86			
CPP					
JSW JAIGAD	23.05	347.29	1037	917	951
WARDHA	6.34	127.73	311	218	310
Adani	22.38	400.81	1220	840	1234
Other CPPs	8.16	138.61			379
Total	59.94	1014.44			2874
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.72	156.96	494	313	500
Trombay 6	3.55	60.61	149	147	500
Trombay 7A	2.95	50.00	125	117	120
Trombay 7B	1.63	27.61	69	66	60
Trombay 8	4.99	88.11	246	187	250
TATA Hydro	6.35	82.78	387	48	447
Total	28.18	466.08			1877
REL					
1&2	10.52	190.69	527	395	500
Total	10.52	190.69			500
Cent Sect					
Share					4136
Total					4136

MS PG CL	Thermal	62.43	1301.98			2979
	Thml+Gas	73.19	1466.19			3419
	Hydro	10.76	115.46			1307
	Total	83.95	1581.65			4726
State Total		215.38	3305.41			14113

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/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	2443	105	447	2995	1019	2334	3791	3754	-441	-524	9601	78	9679	1882	11561	49.96
2	2434	105	447	2986	1341	2346	3784	3770	-435	-447	10019	51	10070	1760	11830	50.02
3	2450	105	448	3003	1190	2362	3754	3437	-402	-381	9634	51	9685	1669	11354	50.07
4	2502	110	448	3060	1266	2366	3726	3432	-374	-339	9812	51	9863	1622	11485	49.99
5	2574	115	451	3140	1201	2348	3760	3476	-409	-374	9801	51	9852	1651	11503	50.01
6	2632	165	447	3244	1187	2359	3813	3909	-424	-419	10307	51	10358	1734	12092	49.92
7	2733	235	447	3415	1127	2404	3850	4254	-435	-500	10727	51	10778	1859	12637	50.04
8	2830	246	448	3524	1143	2513	3848	4232	-439	-546	10893	51	10944	2011	12955	49.99
9	2776	301	451	3528	1240	2772	3854	3996	-464	-445	11118	51	11169	2322	13491	50.01
10	2719	329	452	3500	1213	2854	3957	4006	-594	-710	10890	51	10941	2642	13583	49.95
11	2769	313	443	3525	1243	2889	4152	4286	-809	-892	11078	52	11130	2844	13974	49.97
12	2607	251	442	3300	1313	2904	4214	4118	-861	-912	10733	53	10786	2868	13654	49.93
13	2505	187	451	3143	1319	2704	4173	4002	-792	-865	10313	105	10418	2849	13267	50.02
14	2583	183	460	3226	1370	2530	4053	3874	-648	-827	10173	55	10228	2716	12944	50.02
15	2623	266	457	3346	1308	2459	4095	4127	-688	-814	10426	54	10480	2709	13189	49.97
16	2615	390	455	3460	1411	2407	4043	4080	-637	-958	10400	54	10454	2691	13145	50.06
17	2652	768	452	3872	1582	2435	3770	3893	-485	-1023	10759	54	10813	2677	13490	50.02
18	2599	953	448	4000	1458	2461	3421	3784	-405	-1005	10698	54	10752	2641	13393	50.01
19	2609	1142	446	4197	1636	2416	3343	3775	-418	-929	11095	54	11149	2565	13714	50.04
20	2640	1504	445	4589	1512	2377	3539	3714	-538	-885	11320	54	11374	2516	13890	49.85
21	2490	1233	439	4162	1668	2434	3569	3572	-542	-861	11001	54	11055	2495	13550	50.03
22	2497	727	440	3664	1565	2461	3639	3592	-590	-727	10565	54	10619	2364	12983	50.08
23	2560	649	450	3659	1591	2437	3630	3404	-586	-668	10433	54	10487	2235	12722	50.13
24	2586	381	447	3414	1512	2363	3725	3303	-523	-610	10008	53	10061	2048	12109	50.17
MUs	62.43	10.76	10.76	83.95	32.42	59.94	91.50	91.79	-12.94	-16.66	251.80	1.34	253.14	55.37	308.52	50.01

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 17/Jul/2013

Position as on 6.30 Hrs of 18/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	
Chandrapur Unit 4	210	15/06/2013	13.33		Continued.	Annual Overhaul	
Nasik Unit 4	210	07/07/2013	02.00		Continued.	C.O.H.	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Annual Overhaul	
FORCED OUTAGE							
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.	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Bhusawal Unit 5	500	03/07/2013	23.40		Continued.	ESP Problem.	
Uran Unit 6	108	12/07/2013	16.38		Continued.	Gas Shortage.	
Khaparkheda Unit 1	210	13/07/2013	18.10		Continued.	Furnace Pressure High	
Parli Unit 7	250	15/07/2013	03.06		Continued.	Reheater Protection	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	15/07/2013	15.10		Continued.	Gas Shortage	
Koradi Unit 7	210	15/07/2013	15.44	17/07/2013	17.33	Boiler Tube Leakage	
CPP Adani U-2	660	15/07/2013	22.24		Continued.	Boiler Tube Leakage	
CPP WPCL U-2	135	16/07/2013	04.20	17/07/2013	07.15	No Coal Flow	
Koradi Unit 6	210	17/07/2013	09.06	17/07/2013	12.50	High Furnace Pressure.	
Chandrapur Unit 1	210	17/07/2013	11.12	17/07/2013	13.40	Low Furnace Pressure.	
CPP VIPL	300	17/07/2013	12.03		Continued.	Turbine.	
Bhusawal Unit 3	210	17/07/2013	14.13	17/07/2013	15.57	High Furnace Pressure.	
Khaparkheda Unit 3	210	17/07/2013	20.14	18/07/2013	00.19	Fall of Clinler.	
Koradi Unit 7	210	18/07/2013	02.45		Continued.	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Jul/2013

Position as on 6.30 Hrs of 18/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalmeshwar - Pandurna	17/07/2013	10.07	17/07/2013	14.48	Repl.of Jumper @ Kalmeshwar.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Seoni - I	01/07/2013	08.35		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	06/07/2013	17.08	17/07/2013	09.58	Over Voltage.
Parli - Solapur (PGCIL) - I	11/07/2013	18.07		Continued.	Over Voltage.
Dhule - S'Sarovar- II	15/07/2013	22.01		Continued.	Over Voltage
Solapur - Solapur (PG)	16/07/2013	17.04	17/07/2013	08.40	Over Voltage.
Kolhapur-Solapur(PGCIL)- I	17/07/2013	10.36		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Satpur	14/06/2013	02.02		Continued.	Over Voltage.(RFC 24.06.13, 18.40Hrs)
Kolhapur - Mapusa - II	13/07/2013	03.30		Continued.	Over Voltage.
Lamboti - Solapur (PGCIL)	17/07/2013	16.54		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	18/07/2013	03.00		Continued.	Over Voltage.
Akola - Wardha - I	18/07/2013	04.02	18/07/2013	05.30	Over Voltage.
Akola - Aurangabad - II	18/07/2013	04.02	18/07/2013	06.43	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
Dabhol-Nagothane - II	09/07/2013	12.08		Continued.	Taking A/R in to service at N'thane end(Ready for Charging 19.48Hrs)
400 KV TBC @ Parli	17/07/2013	10.50	17/07/2013	12.26	To Attend Oil Leakage from Spare Reactor.
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 and B bus isolator.ICT on TBC.
Uran-Apta-II	17/07/2013	10.18	17/07/2013	16.02	Hot Spot Attending Work @ loc. No.48.
Mumewadi - Halkarni - II	17/07/2013	11.27	17/07/2013	14.50	To Attend Hot Spot @ Y Ph.of Wavetrap @ Halkarni S/S.
Nagothane-PASCO	17/07/2013	11.57	17/07/2013	18.45	Commissioning of Scada @ Nagothane S/S.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Jeur-Kurduwadi	17/07/2013	12.35	17/07/2013	13.45	Repl. of Insulator.
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
Karad - Newkoyna - I	23/06/2013	16.36		Continued.	Over Voltage
Dabhol - New Koyna - I	30/06/2013	10.42		Continued.	Over Voltage.
Karad - Kolhapur - I	05/07/2013	17.10		Continued.	Over Voltage.
Bhusawal- Aurangabad	11/07/2013	13.28		Continued.	Over Voltage.
Karad - Kolhapur - II	11/07/2013	21.40		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	12/07/2013	11.21		Continued.	Over Voltage.
Chandrapur - Parli - III	13/07/2013	18.05		Continued.	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Jul/2013

Position as on 6.30 Hrs of 18/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonikand- Koyna Stage IV	16/07/2013	23.53	17/07/2013	07.17	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.	Diff.prot.operated Declared Faulty
Koradi-Khaparkheda-I	15/07/2013	02.31		Continued.	Over Voltage
Karad-Jaigad I	17/07/2013	02.14	17/07/2013	09.35	Over Voltage.
Parli-Lonikand - II	17/07/2013	21.49		Continued.	Over Voltage.
Akola - Indiabull (Nandgaonpeth)	18/07/2013	04.02		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Aurangabad - Jalna	17/07/2013	04.35	17/07/2013	05.29	Distance Protection Operated Z-II.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Jul/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	135
Unit 6	210	125
Unit 7	210	0
	620	260
Bhusawal		
Unit 2	210	130
Unit 3	210	120
Unit 4	500	200
Unit 5	500	
	1420	450
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	140
Unit 2	210	150
Unit 3	210	140
Unit 4	210	0
Unit 5	500	0
Unit 6	500	175
Unit 7	500	225
	2340	830
Paras		
Unit 3	250	160
Unit 4	250	160
	500	320
Khaparkheda		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	180
Unit 4	210	180
Unit 5	500	300
	1340	820
Nasik		
Unit 3	210	195
Unit 4	210	0
Unit 5	210	195
	630	390
Uran		
All Units	852	450
	852	450
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	36
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	
BHANDARDRA	45	0
ELDARY	23	
SMLHY PTN	12	35
GHATGHAR	250	
	611	277
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	951
WARDHA	405	345
Adani	1320	1234
Other CPPs	300	245
	3225	2775
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	4136
	3455	4136