



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Jul/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 18/Jul/2013 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	70.518	1372.497	1) Gujrat	10.697	228.164
2) Hydro	15.121	130.582	2) Madhya Pradesh	13.799	301.228
3) Gas	10.861	175.074	3) Chattisgarh	5.510	119.370
Total MSGENCO	96.500	1678.153	4) Maharashtra	44.826	964.725
B) 1) JSW JAIGAD	22.765	370.059	5) Goa	-4.417	-83.828
2) WPCL	6.754	134.483	6) TAPS 1&2 Injection	3.679	60.454
3) ADANI	21.040	421.850	7) RGPPL Injection	0.000	93.175
4) Other CPP / IPP	7.698	146.306	8) Pench (Excess)	-0.420	-4.531
5) Wind Generation	34.131	460.993	# Total Cent. Sector	73.674	1678.757
6) PENCH (MS)	0.420	4.531	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-17.310	-289.727
1) TPCL Thermal	20.792	404.087	G) Bilateral Power *		
2) TPCL Hydro	6.424	89.204	1) MSEDCL Bilateral	9.261	631.267
TOTAL TPCL	27.216	493.291	Include PX	-2.843	-36.419
3) REL Thermal	10.401	201.095	2) MUMBAI Bilateral	12.754	239.424
D) STATE			Include PX	3.180	33.920
1) Thermal (A1+C1+C3)	101.711	1977.679	3) MUMBAI Schedule	12.754	239.424
2) Hydro (A2+B5+C2)	21.965	224.317	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.861	175.074	1) MSEDCL	245.672	4605.405
4) Wind (B4)	34.131	460.993	2) TPCL	36.322	645.645
5) CPP (B1+B2+B3)	58.257	671.888	3) REL	18.602	338.445
TOTAL STATE	226.925	3509.951	TOTAL STATE	300.596	5589.495

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	2932	3100	2810
MSGENCO Hydro	550	1099	118
MSGENCO Gas	454	456	452
MSGENCO Total Generation	3936	4655	3380
Central Sector Receipt	3683	3445	2537
WIND	1483	1494	1497
CPP / IPP	2661	2493	2382
Exchange with Mumbai	-941	-881	-341
MSEDCL DEMAND MET	10833	11233	9481
Load Shedding	51	53	51
MSEDCL DEMAND	10884	11286	9532
TPCL GENERATION	1284	1239	895
R-INFRA GENERATION	399	402	399
TPCL+R-INFRA DEMAND	2624	2522	1635
STATE DEMAND MET	13457	13755	11116
STATE DEMAND	13508	13808	11167
Frequency (Hz)	50.06	49.88	50.10

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.37 Hz at 06.01 Hrs	49.71 Hz at 19.36 Hrs	50.05	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 18/Jul/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.99	37.81	140	100	135
Unit 6	3.10	51.04	150	96	125
Unit 7	2.91	22.90	155	0	0
Total	9.00	111.76			260
Bhusawal					
Unit 2	2.92	57.48	145	100	130
Unit 3	2.94	45.50	140	115	120
Unit 4	4.59	99.43	230	155	200
Unit 5	0.00	12.40	0	0	
Total	10.45	214.81			450
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	0.08	0.08	30	0	0
Total	0.08	0.08			0
Chandrapur					
Unit 1	3.23	58.52	140	124	140
Unit 2	3.11	60.48	144	95	150
Unit 3	3.58	41.48	167	118	140
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	67.99	0	0	0
Unit 6	4.47	89.64	230	135	175
Unit 7	5.05	98.75	230	194	225
Total	19.45	416.85			830
Paras					
Unit 3	3.14	68.84	154	107	160
Unit 4	3.52	75.73	173	94	160
Total	6.66	144.57			320
Khaparkheda					
Unit 1	0.00	36.04	0	0	0
Unit 2	2.82	50.13	165	95	160
Unit 3	3.40	52.43	163	127	180
Unit 4	3.57	70.39	173	129	180
Unit 5	6.82	114.36	358	176	300
Total	16.61	323.36			820
Nasik					
Unit 3	4.13	74.71	185	170	195
Unit 4	0.00	25.26	0	0	0
Unit 5	4.14	61.10	183	166	195
Total	8.27	161.06			390
Uran					
All Units	10.86	175.07	459	446	450
Total	10.86	175.07			450
PENCH (MS)					
Pench (MS)	0.42	4.53	27	0	
Total	0.42	4.53			
Koyna					
Stage 1-2	3.32	37.26	470	40	600
Stage 4	4.40	18.74	534	0	250
Stage 3	3.21	28.59	240	6	240
Kovna 12&4 Total	7.72	56.00			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	10.93	84.59			1090
Hydro					
KDPH	0.84	2.23	36	35	36
VTRNA	0.31	1.60	61	0	61
TILLARI	0.18	3.87	58	0	60
BHTGR/VEER	0.09	1.23	4	3	5
BHIRA T.R.	0.60	8.48	82	0	80
RNGR+BHTSA	0.04	0.36	2	1	
BHANDARDRA	0.48	2.02	26	0	0
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.65	8.70	28	27	35
GHATGHAR	0.98	17.50	250	0	
Total	4.19	45.99			277
Wind					
MalharPeth	1.13	21.46			
Vankuswadi	2.22	34.62			
ATIT	0.30	6.79			
Kale	0.88	12.46			
Satara	10.50	124.09			
Shirala	0.76	11.79			
K Mahankal	0.14	4.96			
Supa	0.17	4.69			
Vita	3.78	51.66			
Dondaicha	9.12	119.24			
Sakri	1.34	18.31			
Nandurbar	0.89	11.36			
Khandke	1.48	19.85			
Khaparale	1.43	19.71			
Total	34.13	460.99			
CPP					
JSW JAIGAD	22.76	370.06	1016	919	951
WARDHA	6.75	134.48	341	224	345
Adani	21.04	421.85	1170	840	1234
Other CPPs	7.70	146.31			245
Total	58.26	1072.70			2775
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	7.79	164.76	373	315	500
Trombay 6	3.55	64.16	149	147	500
Trombay 7A	2.94	52.95	124	118	120
Trombay 7B	1.63	29.24	69	66	60
Trombay 8	4.87	92.98	245	187	250
TATA Hydro	6.42	89.20	387	39	447
Total	27.22	493.29			1877
REL					
1&2	10.40	201.10	526	399	500
Total	10.40	201.10			500
Cent Sect					
Share					4136
Total					4136

MS PG CL	Thermal	70.52	1372.50			3070
	Thml+Gas	81.38	1547.57			3520
	Hydro	15.12	130.58			1367
	Total	96.50	1678.15			4887
State Total		226.92	3509.95			14175

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/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	2811	212	451	3474	1468	2437	2955	2908	-444	-555	9758	77	9835	1876	11711	50.08
2	2844	186	452	3482	1581	2414	2828	2652	-375	-407	9748	51	9799	1719	11518	50.14
3	2810	118	452	3380	1497	2382	2815	2537	-355	-341	9481	51	9532	1635	11167	50.10
4	2686	194	451	3331	1490	2363	2234	2679	-337	-328	9561	51	9612	1602	11214	50.03
5	2695	241	453	3389	1357	2365	2382	2841	-340	-331	9648	51	9699	1612	11311	50.12
6	2690	415	454	3559	1305	2374	2715	3181	-340	-381	10065	51	10116	1689	11805	50.01
7	2877	836	450	4163	1382	2397	2722	3264	-340	-477	10756	51	10807	1818	12625	50.12
8	2972	611	450	4033	1227	2543	2975	3495	-431	-572	10736	51	10787	1996	12783	50.10
9	2883	405	449	3737	1240	2656	3477	3674	-486	-723	10595	51	10646	2304	12950	50.11
10	2932	550	454	3936	1483	2661	3621	3683	-560	-941	10833	51	10884	2624	13508	50.06
11	2948	514	452	3914	1506	2332	3825	3779	-740	-1032	10524	52	10576	2835	13411	50.05
12	2912	662	453	4027	1505	2444	3265	3179	-812	-1005	10176	53	10229	2867	13096	50.05
13	2933	1221	452	4606	1283	2406	2489	2684	-771	-978	10012	104	10116	2828	12944	50.05
14	2935	820	452	4207	1354	2364	2525	2710	-684	-849	9786	54	9840	2684	12524	50.05
15	2990	863	454	4307	1445	2383	2535	2718	-681	-1015	9838	53	9891	2679	12570	50.05
16	2999	893	452	4344	1500	2364	2379	2778	-633	-1034	9952	53	10005	2672	12677	50.09
17	3033	827	452	4312	1356	2467	2236	2838	-491	-885	10088	53	10141	2680	12821	50.08
18	3038	800	456	4294	1362	2416	2337	2909	-414	-835	10146	53	10199	2633	12832	50.00
19	3096	1038	456	4590	1396	2429	2229	3086	-443	-893	10635	53	10688	2566	13254	50.01
20	3100	1099	456	4655	1494	2493	3125	3445	-588	-881	11233	53	11286	2522	13808	49.88
21	3110	993	459	4562	1551	2398	3369	3401	-603	-816	11123	53	11176	2454	13630	49.99
22	3163	405	455	4023	1514	2456	3401	3516	-657	-735	10797	53	10850	2348	13198	50.05
23	3003	703	446	4152	1428	2416	2642	3013	-655	-660	10359	53	10412	2214	12626	50.00
24	3061	515	450	4026	1407	2297	2694	2701	-574	-636	9822	52	9874	2070	11944	50.06
MUs	70.52	15.12	10.86	96.50	34.13	58.26	67.78	73.67	-12.75	-17.31	245.67	1.33	247.00	54.93	301.93	50.05

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 18/Jul/2013

Position as on 6.30 Hrs of 19/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	18/07/2013	20.42	Reheater Protection	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	15/07/2013	15.10		Continued.	Gas Shortage	
CPP Adani U-2	660	15/07/2013	22.24		Continued.	Boiler Tube Leakage	
CPP VIPL	300	17/07/2013	12.03		Continued.	Turbine.	
Khaparkheda Unit 3	210	17/07/2013	20.14	18/07/2013	00.06	High Furnace Pressure.	
Koradi Unit 7	210	18/07/2013	02.45	18/07/2013	06.26	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 18/Jul/2013

Position as on 6.30 Hrs of 19/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur-Bhadravati-II	18/07/2013	12.29		Continued.	To Remove Bird Nest @ Rfc.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Seoni - I	01/07/2013	08.35		Continued.	Over Voltage
Parli - Solapur (PGCIL) - I	11/07/2013	18.07		Continued.	Over Voltage.
Dhule - S'Sarovar - II	15/07/2013	22.01	18/07/2013	09.31	Over Voltage
Kolhapur-Solapur(PGCIL)-I	17/07/2013	10.36		Continued.	Over Voltage.
Solapur-Solapur(PGCIL)	18/07/2013	16.11	19/07/2013	07:02	Over Voltage.
Dhule-Sar'Sarovar - II	18/07/2013	22.23		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	18/07/2013	08.25	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.
Akola - Wardha - I	18/07/2013	13.04	19/07/2013	06.55	Over Voltage.
Parli-Parli (PGCIL) I	19/07/2013	00.56	19/07/2013	01.39	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)
400/220 KV 500 MVA ICT-I @ Jejuri	18/07/2013	07.28	18/07/2013	16.22	Attending Hot Spot on R Ph.CT @ LV Side.
400/220 KV 315 MVA ICT-II @ Dhule	18/07/2013	14.50	18/07/2013	17.08	CTR Work.
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.
Ambazari - Abhijeet	18/07/2013	09.10	18/07/2013	11.27	Replacement of Clamp of Conductor.
C' Enka - Khadki	18/07/2013	09.15	18/07/2013	16.36	Maintenance Work.
Lonikand-Kathapur	18/07/2013	10.03	18/07/2013	13.16	For Attending Hot Spot on 29D Isolator Jaws @ Lonikand.
220/132 KV 150 MVA T/F - 7 at Chinchwad	18/07/2013	12.38	18/07/2013	13.44	Half Yearly Maint. Work.
220/132 KV 150 MVA T/F - III @ Chinchwad	18/07/2013	14.28	18/07/2013	17.09	To Attend CTR DC Leakage.
220/132 KV 200 MVA ICT - II @ Theur	18/07/2013	16.12	18/07/2013	20.25	HV LAS of R & Y Ph. Replacement.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Ahmadnagar - Pathardi	18/07/2013	08.49		Continued.	Stringing of 132KV Aranvihra-Pathardi Line (Wind).
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 18/Jul/2013

Position as on 6.30 Hrs of 19/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Spare Unit @ Koradi					
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
Lonikand- Koyna Stage IV	18/07/2013	23.38		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.	Diff.prot.operated Declared Faulty
Koradi-Khaparkheda-I	15/07/2013	02.31		Continued.	Over Voltage
Parli-Lonikand - II	17/07/2013	21.49		Continued.	Over Voltage.
Akola - Indiabull (Nandgaonpeth)	18/07/2013	04.02	18/07/2013	09.27	Over Voltage.
Akola - Bhusawal	18/07/2013	13.04		Continued.	Over Voltage.
Akola - Indiabull (Nandgaonpeth)	18/07/2013	13.04	18/07/2013	19.24	Over Voltage.
Parli-Lonikand - II	19/07/2013	00.56		Continued.	Over Voltage.
Parli - Chandrapur - II	19/07/2013	00.56		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

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 19/Jul/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	125
Unit 6	210	130
Unit 7	210	140
	620	395
Bhusawal		
Unit 2	210	130
Unit 3	210	130
Unit 4	500	180
Unit 5	500	0
	1420	440
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	150
	1130	150
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	160
Unit 4	210	0
Unit 5	500	0
Unit 6	500	175
Unit 7	500	225
	2340	700
Paras		
Unit 3	250	170
Unit 4	250	170
	500	340
Khaparkheda		
Unit 1	210	0
Unit 2	210	133
Unit 3	210	144
Unit 4	210	140
Unit 5	500	323
	1340	740
Nasik		
Unit 3	210	200
Unit 4	210	0
Unit 5	210	200
	630	400
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	35
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	2
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	27
GHATGHAR	250	0
	611	267
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	3002
	3455	3002