



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Jul/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Jul/2013 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	60.304	1239.551	1) Gujrat	7.447	204.659
2) Hydro	13.041	104.698	2) Madhya Pradesh	18.255	271.531
3) Gas	10.602	153.451	3) Chattisgarh	8.430	105.980
Total MSGENCO	83.947	1497.700	4) Maharashtra	63.046	863.400
B) 1) JSW JAIGAD	24.219	324.240	5) Goa	-4.392	-74.874
2) WPCL	3.591	121.388	6) TAPS 1&2 Injection	3.840	53.159
3) ADANI	14.680	378.430	7) RGPPL Injection	0.000	93.175
4) Other CPP / IPP	9.561	130.448	8) Pench (Excess)	-0.544	-3.738
5) Wind Generation	30.212	394.447	# Total Cent. Sector	96.082	1513.292
6) PENCH (MS)	0.544	3.738	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.420	-255.756
1) TPCL Thermal	24.556	361.464	G) Bilateral Power *		
2) TPCL Hydro	5.998	76.427	1) MSEDCL Bilateral	35.684	610.522
TOTAL TPCL	30.554	437.891	Include PX	-0.539	-33.576
3) REL Thermal	12.127	180.169	2) MUMBAI Bilateral	11.820	213.734
D) STATE			Include PX	1.668	28.652
1) Thermal (A1+C1+C3)	96.987	1781.184	3) MUMBAI Schedule	11.820	213.734
2) Hydro (A2+B5+C2)	19.583	184.863	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.602	153.451	1) MSEDCL	249.416	4107.927
4) Wind (B4)	30.212	394.447	2) TPCL	36.817	572.851
5) CPP (B1+B2+B3)	52.051	590.756	3) REL	19.283	300.947
TOTAL STATE	209.435	3104.701	TOTAL STATE	305.516	4981.725

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	2583	2409	2631
MSGENCO Hydro	995	1410	107
MSGENCO Gas	442	445	460
MSGENCO Total Generation	4020	4264	3198
Central Sector Receipt	4550	4005	3711
WIND	1198	1333	1188
CPP / IPP	2079	2321	1986
Exchange with Mumbai	-836	-636	-316
MSEDCL DEMAND MET	11032	11314	9790
Load Shedding	56	56	55
MSEDCL DEMAND	11088	11370	9845
TPCL GENERATION	1469	1437	920
R-INFRA GENERATION	524	525	401
TPCL+R-INFRA DEMAND	2829	2598	1637
STATE DEMAND MET	13861	13912	11427
STATE DEMAND	13917	13968	11482
Frequency (Hz)	50.01	49.85	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 00.08 Hrs	49.57 Hz at 19.47 Hrs	49.97	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 16/Jul/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.68	32.31	135	80	130
Unit 6	1.17	46.03	70	15	50
Unit 7	0.00	19.54	0	0	0
Total	3.85	97.88			180
Bhusawal					
Unit 2	2.62	51.56	130	85	150
Unit 3	0.50	40.18	75	0	0
Unit 4	5.62	89.88	280	210	242
Unit 5	0.00	12.40	0	0	0
Total	8.75	194.02			392
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	2.27	52.85	140	64	150
Unit 2	2.63	54.45	138	85	140
Unit 3	2.91	34.66	160	93	150
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	67.99	0	0	0
Unit 6	2.90	81.23	166	95	150
Unit 7	5.26	88.38	243	175	200
Total	15.96	379.56			790
Paras					
Unit 3	3.42	62.49	159	122	170
Unit 4	3.77	68.48	167	147	170
Total	7.19	130.97			340
Khaparkheda					
Unit 1	0.00	36.04	0	0	0
Unit 2	3.12	43.82	160	100	160
Unit 3	3.50	45.99	175	123	180
Unit 4	4.22	63.12	196	148	180
Unit 5	5.11	103.60	268	113	300
Total	15.95	292.58			820
Nasik					
Unit 3	4.31	66.47	195	165	195
Unit 4	0.00	25.26	0	0	0
Unit 5	4.29	52.83	195	164	195
Total	8.60	144.55			390
Uran					
All Units	10.60	153.45	460	393	440
Total	10.60	153.45			440
PENCH (MS)					
Pench (MS)	0.54	3.74	27	0	
Total	0.54	3.74			
Koyna					
Stage 1-2	4.35	31.33	435	40	600
Stage 4	3.03	11.36	926	0	250
Stage 3	2.71	23.29	238	0	240
Kovna 12&4 Total	7.38	42.69			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	10.09	65.98			1090
Hydro					
KDPH	0.54	0.54	36	0	0
VTRNA	0.00	1.03	0	0	0
TILLARI	0.24	3.51	60	0	60
BHTGR/VEER	0.09	1.05	5	3	3
BHIRA T.R.	0.50	7.38	80	0	80
RNGR+BHTSA	0.03	0.28	2	1	3
BHANDARDRA	0.09	1.44	34	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.63	7.41	27	26	0
GHATGHAR	0.83	16.07	125	0	0
Total	2.95	38.72			146
Wind					
MalharPeth	1.20	19.17			
Vankuswadi	2.13	29.99			
ATIT	0.25	6.19			
Kale	0.81	10.81			
Satara	7.90	104.51			
Shirala	0.78	10.30			
K Mahankal	0.08	4.68			
Supa	0.17	4.24			
Vita	2.86	44.30			
Dondaicha	9.37	101.16			
Sakri	1.24	15.72			
Nandurbar	0.68	9.56			
Khandke	1.22	16.91			
Khaparale	1.52	16.90			
Total	30.21	394.45			
CPP					
JSW JAIGAD	24.22	324.24	1044	903	953
WARDHA	3.59	121.39	313	0	0
Adani	14.68	378.43	780	590	617
Other CPPs	9.56	130.45			379
Total	52.05	954.51			1949
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.91	148.24	502	319	500
Trombay 6	3.55	57.06	149	147	500
Trombay 7A	2.95	47.06	124	118	120
Trombay 7B	1.63	25.98	69	66	60
Trombay 8	5.52	83.12	247	187	250
TATA Hydro	6.00	76.43	387	48	447
Total	30.55	437.89			1877
REL					
1&2	12.13	180.17	527	401	500
Total	12.13	180.17			500
Cent Sect					
Share					4115
Total					4115

MS PG CL	Thermal	60.30	1239.55			2912
	Thml+Gas	70.91	1393.00			3352
	Hydro	13.04	104.70			1236
	Total	83.95	1497.70			4588
State Total		209.44	3104.70			13029

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/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	2626	206	393	3225	1098	2315	3700	3619	-536	-277	10003	83	10086	1916	12002	49.94
2	2601	78	393	3072	1176	2253	3712	3552	-534	-184	9892	55	9947	1757	11704	50.02
3	2627	97	397	3121	1224	2239	3687	3563	-444	-328	9842	55	9897	1668	11565	50.04
4	2631	107	460	3198	1188	1986	3688	3711	-399	-316	9790	55	9845	1637	11482	49.99
5	2585	107	460	3152	1213	1909	3707	3972	-280	-333	9936	55	9991	1670	11661	50.00
6	2574	206	456	3236	1201	1947	3717	4231	-254	-363	10275	56	10331	1735	12066	49.96
7	2549	575	448	3572	1311	1967	3768	4395	-322	-344	10924	56	10980	1856	12836	50.06
8	2535	423	447	3405	1088	1971	4044	4468	-337	-338	10621	56	10677	2019	12696	50.01
9	2516	527	448	3491	1247	1926	4210	4848	-337	-526	11013	55	11068	2337	13405	49.97
10	2589	1009	446	4044	1172	2034	4279	4484	-398	-671	11090	55	11145	2655	13800	49.94
11	2583	995	442	4020	1198	2079	4044	4550	-597	-836	11032	56	11088	2829	13917	50.01
12	2541	990	441	3972	1328	2135	4113	4194	-661	-911	10718	62	10780	2905	13685	50.01
13	2539	479	447	3465	1301	2168	3887	4145	-625	-894	10185	106	10291	2890	13181	50.04
14	2569	403	447	3419	1463	2244	3783	3713	-626	-801	10051	57	10108	2759	12867	50.02
15	2504	142	451	3097	1406	2232	4362	3950	-706	-835	9876	56	9932	2759	12691	50.04
16	2460	119	447	3026	1414	2254	4259	4198	-657	-826	10092	56	10148	2738	12886	49.99
17	2437	366	448	3251	1413	2276	3869	4110	-510	-809	10268	56	10324	2738	13062	49.92
18	2455	665	455	3575	1364	2246	3582	3800	-437	-705	10307	56	10363	2686	13049	49.96
19	2458	803	446	3707	1333	2312	3655	3687	-488	-646	10420	56	10476	2615	13091	49.92
20	2409	1410	445	4264	1333	2321	3879	4005	-563	-636	11314	56	11370	2598	13968	49.85
21	2307	1702	442	4451	1215	2249	3857	3697	-542	-534	11105	56	11161	2516	13677	49.82
22	2368	950	445	3763	1258	2283	3879	3639	-564	-426	10544	56	10600	2399	12999	49.85
23	2388	463	449	3300	1177	2368	3813	3838	-497	-420	10290	56	10346	2309	12655	49.97
24	2453	219	450	3122	1091	2337	3847	3709	-503	-461	9825	56	9881	2110	11991	50.05
MUs	60.30	13.04	10.60	83.95	30.21	52.05	93.34	96.08	-11.82	-13.42	249.41	1.42	250.84	56.10	306.94	49.97

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 16/Jul/2013

Position as on 6.30 Hrs of 17/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.	
CPP Adani U1	660	04/07/2013	20.11	16/07/2013	21.23	Boiler Tube Leakage	
Uran Unit 6	108	12/07/2013	16.38		Continued.	Gas Shortage.	
Bhusawal Unit 3	210	13/07/2013	08.31		Continued.	Furnace Pressure High	
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		Continued.	Boiler Tube Leakage	
CPP Adani U-2	660	15/07/2013	22.24		Continued.	Boiler Tube Leakage	
CPP WPCL U-3	135	16/07/2013	02.50	16/07/2013	07.17	Flame Failure.	
CPP WPCL U-1	135	16/07/2013	04.17	16/07/2013	12.36	Flame Failure	
CPP WPCL U-2	135	16/07/2013	04.20	17/07/2013	07.15	No Coal Flow	
Bhusawal Unit 3	210	16/07/2013	09.53	16/07/2013	13.50	Furance Pressure High.	
Bhusawal Unit 3	210	16/07/2013	19.44	16/07/2013	22.49	Furance Pressure High.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jul/2013

Position as on 6.30 Hrs of 17/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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		Continued.	Over Voltage.
Parli - Solapur (PGCIL) - I	11/07/2013	18.07		Continued.	Over Voltage.
Solapur - Solapur (PG)	15/07/2013	16.59		Continued.	Over Voltage
Dhule - S'Sarovar- II	15/07/2013	22.01		Continued.	Over Voltage
Warora - Tiroda - II	15/07/2013	22.07	16/07/2013	22.41	Adani U-2 W/Dn.
Solapur - Solapur (PG)	16/07/2013	17.04		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.
Kolhapur-Solapur(PGCIL)-I	16/07/2013	03.46	16/07/2013	06.22	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)
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.
Wadkhal - NDIL - I	16/07/2013	10.10	16/07/2013	15.50	R M Work.
Bus Section - II @ Nasik	16/07/2013	10.36	16/07/2013	16.26	Rep.of R Ph. CT Towards Gen Unit-3 Side.
Tambati-Adlabs	16/07/2013	11.28	16/07/2013	16.16	Attending SF-6 Gas Leakage from 220 Ckt Breaker.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kandalgaon - Roha	16/07/2013	08.00	16/07/2013	10.50	Bunching of 100 KV Mahasala to Roha Line -I.
Kandalgaon - Mhasale	16/07/2013	08.00	16/07/2013	10.50	Bunching of 100 KV Mahasala to Roha Line -II.
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
Lonikand- Koyna Stage IV	15/07/2013	23.40	16/07/2013	07.20	Over Voltage
Lonikand- Koyna Stage IV	16/07/2013	23.53	17/07/2013	07.17	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Kandalgaon - Dasturi	16/07/2013	12.00	16/07/2013	22.30	Sparking @ Dasturi.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jul/2013

Position as on 6.30 Hrs of 17/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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 - Solapur	16/07/2013	12.45	16/07/2013	16.13	Over Voltage.
Dhule - Babaleshwar - II	16/07/2013	17.52	16/07/2013	20.32	Over Voltage.
Karad-Jaigad I	17/07/2013	02.14		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
Voltage Level : 132KV			Outage Type TRIPPED		
Girwali - Gangakhed	16/07/2013	14.14	16/07/2013	14.31	Distance Protection Operated Z-I R Ph.
Bhandara - Madgi -I	16/07/2013	22.05	16/07/2013	22.34	Distance Protection Operated Z-I B Ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Jul/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	100
Unit 6	210	90
Unit 7	210	0
	620	190
Bhusawal		
Unit 2	210	116
Unit 3	210	98
Unit 4	500	225
Unit 5	500	
	1420	439
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	120
Unit 2	210	100
Unit 3	210	150
Unit 4	210	0
Unit 5	500	0
Unit 6	500	180
Unit 7	500	250
	2340	800
Paras		
Unit 3	250	170
Unit 4	250	170
	500	340
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	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	36
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	2
BHANDARDRA	45	34
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	217
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	310
Adani	1320	1234
Other CPPs	300	379
	3225	2874
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