



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Jul/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	70.456	2757.399	1) Gujrat	2.008	36.749
2) Hydro	11.162	281.403	2) Madhya Pradesh	10.494	398.176
3) Gas	11.129	281.719	3) Chattisgarh	11.710	331.900
Total MSGENCO	92.747	3320.521	4) Maharashtra	53.554	1491.266
B) OTHERS			5) Goa	-5.160	-172.034
1) JSW JAIGAD	28.963	815.482	6) TAPS 1&2 Injection	3.944	168.459
2) WPCL	9.573	281.022	7) RGPPL Injection	14.848	527.649
3) Other CPP / IPP	7.067	186.193	8) Pench (Excess)	0.000	-1.838
4) Wind Generation	30.301	682.228	# Total Cent. Sector	91.398	2780.327
5) PENCH (MS)	0.000	1.838	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.811	-345.287
1) TPCL Thermal	29.275	826.441	G) Bilateral Power *		
2) TPCL Hydro	2.912	103.565	1) MSEDCL Bilateral	28.606	768.925
TOTAL TPCL	32.187	930.006	Include PX	1.177	2.127
3) REL Thermal	12.630	375.705	2) MUMBAI Bilateral	14.666	402.483
D) STATE			Include PX	1.258	21.285
1) Thermal (A1+C1+C3)	112.361	3959.545	3) MUMBAI Schedule	14.666	409.509
2) Hydro (A2+B5+C2)	14.074	386.806	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.129	281.719	1) MSEDCL	248.238	7722.324
4) Wind (B4)	30.301	682.228	2) TPCL	38.189	1107.843
5) CPP (B1+B2+B3)	45.603	1282.697	3) REL	18.437	543.203
TOTAL STATE	213.468	6592.995	TOTAL STATE	304.864	9373.370

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	2871	2926	2682
MSGENCO Hydro	1002	1335	103
MSGENCO Gas	469	482	476
MSGENCO Total Generation	4342	4743	3261
Central Sector Receipt	3937	3776	3651
WIND	1142	1016	1546
CPP / IPP	1907	1912	1862
Exchange with Mumbai	-695	-414	-192
MSEDCL DEMAND MET	10633	11033	10128
Load Shedding	718	464	131
MSEDCL DEMAND	11351	11497	10259
TPCL GENERATION	1691	1670	901
R-INFRA GENERATION	528	526	527
TPCL+R-INFRA DEMAND	2914	2610	1620
STATE DEMAND MET	13547	13643	11748
STATE DEMAND	14265	14107	11879
Frequency (Hz)	49.44	49.24	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.94 Hz at 02:36 Hrs	48.79 Hz at 19:21 Hrs	49.7	7.77 % 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 30/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	1.88	67.39	117	0	40
Unit 6	0.00	49.70	0	0	0
Unit 7	3.58	102.74	160	140	160
Total	5.46	219.82			200
Bhusawal					
Unit 2	2.74	94.75	135	85	120
Unit 3	2.49	75.78	135	0	120
Unit 4	0.06	56.88	43	0	0
Unit 5	0.00	0.00	0	0	0
Total	5.28	227.41			240
Parli					
Unit 3	0.00	58.56	0	0	0
Unit 4	3.08	94.95	152	97	145
Unit 5	1.64	96.16	117	0	0
Unit 6	3.63	69.52	191	106	185
Unit 7	0.00	40.36	0	0	0
Total	8.34	359.54			330
Chandrapur					
Unit 1	3.54	86.52	169	134	140
Unit 2	0.00	84.46	0	0	0
Unit 3	2.03	107.16	147	21	50
Unit 4	0.44	114.71	72	0	50
Unit 5	8.73	238.61	460	275	270
Unit 6	0.00	186.91	0	0	0
Unit 7	7.51	206.33	372	218	220
Total	22.25	1024.70			730
Paras					
Unit 3	3.12	37.36	147	113	150
Unit 4	3.85	90.61	182	130	160
Total	6.97	127.97			310
Khaparkheda					
Unit 1	1.28	120.27	95	0	150
Unit 2	3.02	22.36	170	96	160
Unit 3	4.10	114.62	193	159	160
Unit 4	3.91	137.44	178	153	170
Unit 5	3.76	107.54	233	104	225
Total	16.06	502.23			865
Nasik					
Unit 3	5.03	129.00	215	195	192
Unit 4	1.06	129.82	191	0	0
Unit 5	0.00	36.90	0	0	0
Total	6.09	295.72			192
Uran					
All Units	11.13	281.72	482	425	440
Total	11.13	281.72			440
PENCH (MS)					
Pench (MS)	0.00	1.84	0	0	0
Total	0.00	1.84			0
Koyna					
Stage 1-2	3.52	92.23	490	40	600
Stage 4	2.16	80.48	473	0	250
Stage 3	3.09	59.23	240	0	240
Kovna 12&4 Total	5.68	172.71			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	8.77	231.94			1090
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.29	13.75	61	0	0
TILLARI	0.07	5.66	58	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.35	10.44	54	0	40
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.37	4.18	16	15	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.13	2.42	11	2	8
GHATGHAR	1.18	12.04	125	0	0
Total	2.39	49.46			108
Wind					
MalharPeth	1.46	36.08			
Vankuswadi	2.57	55.69			
ATIT	0.37	10.86			
Kale	1.00	20.08			
Satara	5.89	71.36			
Shirala	0.84	23.14			
K Mahankal	0.19	48.60			
Supa	0.44	9.64			
Vita	4.68	99.16			
Dondaicha	7.78	195.79			
Sakri	1.21	27.95			
Nandurbar	0.71	18.62			
Khandke	1.69	36.73			
Khaparale	1.46	28.53			
Total	30.30	682.23			
CPP					
JSW JAIGAD	28.96	815.48	1209	1201	1100
WARDHA	9.57	281.02	440	364	400
Other CPPs	7.07	186.19			
Total	45.60	1282.70			1500
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.88	331.52	502	305	500
Trombay 6	8.36	223.21	504	153	500
Trombay 7A	2.56	65.97	125	72	120
Trombay 7B	1.51	36.03	68	54	60
Trombay 8	5.96	169.71	250	247	250
TATA Hydro	2.91	103.56	380	0	447
Total	32.19	930.01			1877
REL					
1&2	12.63	375.70	528	525	500
Total	12.63	375.70			500
Cent Sect					
Share					3651
Total					3651

MS PG CL	Thermal	70.46	2757.40			2867
	Thml+Gas	81.58	3039.12			3307
	Hydro	11.16	281.40			1198
	Total	92.75	3320.52			4505
State Total		213.47	6593.00			12033

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/Jul/2012

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	3275	63	478	3816	1344	1904	3894	3473	-484	-345	10192	155	10347	1935	12282	49.84
2	3210	58	477	3745	1479	1903	3802	3318	-387	-250	10195	151	10346	1773	12119	49.87
3	2973	58	474	3505	1559	1939	3752	3455	-334	-215	10243	147	10390	1682	12072	50.13
4	2682	103	476	3261	1546	1862	3723	3651	-317	-192	10128	131	10259	1620	11879	50.04
5	2713	69	473	3255	1487	1905	3196	3779	-331	-201	10225	135	10360	1625	11985	49.83
6	2721	114	467	3302	1451	1909	2862	3970	-343	-249	10383	209	10592	1724	12316	49.74
7	2755	933	466	4154	1276	1881	3003	3412	-468	-339	10384	747	11131	1830	12961	49.45
8	2737	935	467	4139	1410	1851	2936	3444	-542	-448	10396	1030	11426	1998	13424	49.86
9	2826	485	452	3763	1305	1863	3439	3735	-650	-610	10056	1143	11199	2282	13481	49.71
10	2836	767	458	4061	1332	1907	3741	3839	-780	-672	10467	870	11337	2628	13965	49.67
11	2756	828	449	4033	1177	1909	4034	3980	-824	-677	10422	778	11200	2843	14043	49.41
12	2871	1002	469	4342	1142	1907	4097	3937	-841	-695	10633	718	11351	2914	14265	49.44
13	2901	531	458	3890	1305	1914	4105	4043	-841	-693	10459	774	11233	2909	14142	49.70
14	2921	248	447	3616	1116	1905	4161	4088	-824	-727	9998	685	10683	2831	13514	49.75
15	2865	240	455	3560	1299	1910	4033	3992	-624	-617	10144	588	10732	2880	13612	49.61
16	2992	154	425	3571	1123	1907	4110	4151	-637	-600	10152	684	10836	2867	13703	49.97
17	2970	232	441	3643	1186	1908	3864	3900	-619	-548	10089	684	10773	2811	13584	49.61
18	2920	217	431	3568	1042	1908	4050	3869	-798	-691	9696	625	10321	2718	13039	49.37
19	2860	656	475	3991	1130	1908	4010	3983	-711	-551	10461	393	10854	2628	13482	49.43
20	2926	1335	482	4743	1016	1912	3933	3776	-577	-414	11033	464	11497	2610	14107	49.24
21	3042	951	479	4472	1105	1911	4054	3981	-662	-493	10976	431	11407	2561	13968	49.60
22	3190	605	482	4277	1150	1901	4059	3885	-687	-488	10725	354	11079	2440	13519	49.64
23	3216	314	473	4003	1129	1875	3924	4049	-707	-574	10482	177	10659	2326	12985	49.83
24	3298	264	475	4037	1192	1904	3741	3688	-673	-522	10299	125	10424	2193	12617	50.02
MUs	70.46	11.16	11.13	92.75	30.30	45.60	90.52	91.40	-14.67	-11.81	248.24	12.20	260.44	56.63	317.06	49.70

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 30/Jul/2012

Position as on 6.30 Hrs of 31/Jul/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Hydro GhatgharU1	125	05/07/2012	15:30		Continued.	Annual Overhaul	04/09/2012
Nasik Unit 5	210	12/07/2012	00.35		Continued.	Capital Overhaul	15/08/2012
Parli Unit 7	250	16/07/2012	18.15		Continued.	Annual Overhaul(Earlier W/D for Water Crisis and Coal Shortage.Converted to AOH on 21/7/2012)	11/08/2012
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	21/08/2012
Cent_Sect NTPC(V) 9	500	20/07/2012	00.04		Continued.	Annual Overhaul.	15/08/2012
Chandrapur Unit 6	500	22/07/2012	00.49		Continued.	Annual Overhaul.	17/08/2012
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Koyna Unit 11	80	18/06/2012	08.00		Continued.	Stator E/F.	17/08/2012
Dabhol 2A	230	10/07/2012	17.28		Continued.	Gas Shortage	
Dabhol 2X	290	14/07/2012	22.55		Continued.	Gas Shortage	
Dabhol 2B	230	14/07/2012	23.01		Continued.	Gas Shortage	
Cent_Sect Sipat U-1	660	22/07/2012	02.03		Continued.	Loss of fuel.	
Koradi Unit 6	210	23/07/2012	10:51		Continued.	P. A. Fan problem.	
Dabhol 1B	230	23/07/2012	15.57		Continued.	Combustion Inspection	
Uran Unit 5	108	25/07/2012	23.16	30/07/2012	15.20	Gas Shortage	
Parli Unit 3	210	26/07/2012	05.35		Continued.	Low Temperature.	31/07/2012
Koradi Unit 5	200	26/07/2012	18.47	30/07/2012	03.47	Coal mill problem.	
Dabhol 3A	230	27/07/2012	11.30		Continued.	Gas shortage.	
Bhusawal Unit 4	500	28/07/2012	10.34	30/07/2012	22.45	D.C.Supply fail.	
Chandrapur Unit 2	210	28/07/2012	18.08		Continued.	Furnace Pressure high.	
Parli Unit 5	210	30/07/2012	02.33	30/07/2012	10.54	Loss of fuel.	
Nasik Unit 4	210	30/07/2012	02.33		Continued.	Trip on jurk.	
Cent_Sect NTPC(V-3)	210	30/07/2012	03.41	30/07/2012	12.53	Trip,NR Grid disturbance.	
Cent_Sect NTPC(V-4)	210	30/07/2012	03.41	30/07/2012	08.03	Trip,NR Grid disturbance.	
Cent_Sect NTPC(V-5)	210	30/07/2012	03.41	30/07/2012	07.38	Trip,NR Grid disturbance.	
Cent_Sect NTPC(V-7)	500	30/07/2012	03.41	30/07/2012	08.42	Trip,NR Grid disturbance.	
Cent_Sect NTPC(V-8)	500	30/07/2012	03.41	30/07/2012	07.16	Trip,NR Grid disturbance.	
Cent_Sect NTPC(V-10)	500	30/07/2012	03.41	30/07/2012	06.51	Trip,NR Grid disturbance.	
Koyna ST-IV 1	250	30/07/2012	06.35	30/07/2012	10.00	Trip condensor to Generation.	
Koyna ST - IV 3	250	30/07/2012	06.40		Continued.	Trip,while taking on generation.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 30/Jul/2012

Position as on 6.30 Hrs of 31/Jul/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Chandrapur Unit 4	210	30/07/2012	07.04	30/07/2012	21.41	Coal shortage.	
Khaparkheda Unit 1	210	30/07/2012	09.01	30/07/2012	12.38	Main steam temp.low.	
Bhusawal Unit 3	210	30/07/2012	17.43	30/07/2012	20.45	Furnace pressure high.	
Koyna Unit 9	80	30/07/2012	23.18	30/07/2012	23.40	On jerk.	
Khaparkheda Unit 2	210	31/07/2012	01.25		Continued.	Excitation transformer protection operate.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jul/2012

Position as on 6.30 Hrs of 31/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	04/07/2012	09.47		Continued.	PGCIL Work
Parli-Parli (PGCIL)-II	19/07/2012	08:08		Continued.	Over Voltage.
Akola - Wardha - I	20/07/2012	12.51		Continued.	Over Voltage.
Seoni-Wardha-II 765KV.	23/07/2012	11.47		Continued.	Over Voltage.
Parly - Solapur (PGCIL) - I	23/07/2012	17.44		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	25/07/2012	21.58		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	30/07/2012	22.01		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	29/07/2012	14.52	30/07/2012	08.33	Over Voltage.
Dhule-Sar'Sarovar - II	30/07/2012	03.43	30/07/2012	19.38	Tripped on over voltage.Opp.outage on CSR-II main work.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220 KV 500 MVA ICT-I @ Deepnagar	24/07/2012	09.30		Continued.	Modification in Control and Relay Panels and SCADA trials
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Main Bus -I at BBLSR	19/07/2012	14.12		Continued.	Conductor replacement work.
220/100KV 200MVA ICT-III at Kalwa	30/07/2012	10.53		Continued.	L.V.Aux.side isolator replacement work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	03/07/2012	15.29		Continued.	Over Voltage
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.
Bhusawal- Aurangabad	22/07/2012	16.09		Continued.	Over Voltage.
Karad-Kolhapur-II	28/07/2012	16.18		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	29/07/2012	23.08	30/07/2012	06.28	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Temghar - II	09/07/2012	16.33		Continued.	For Padgha ICT loading.
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Khaparkheda-Kawlewada-I	25/07/2012	16.35		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	26/06/2012	20.43		Continued.	R Phase LV side CT Burst
Jejuri-Koyna STG-IV	30/07/2012	02.33	30/07/2012	08.18	Over Voltage,as WR-NR link trip.
Deepnagar-Aurangabad-I	30/07/2012	02.33	30/07/2012	05.57	Over Voltage,as WR-NR link trip.
Bablsr-Aurangabad	30/07/2012	02.33	30/07/2012	05.43	Over Voltage,as WR-NR link trip.
Khadka - Deepnagar - II	30/07/2012	02.33	30/07/2012	09.42	Over Voltage,as WR-NR link trip.
Padgha - Babaleshwar - II	30/07/2012	02.33	30/07/2012	05.47	Over Voltage,as WR-NR link trip.
Karad-Jaigad II	30/07/2012	12.36	30/07/2012	13.00	Distance protection.
Karad-Jaigad II	30/07/2012	23.07		Continued.	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jul/2012

Position as on 6.30 Hrs of 31/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Kolhapur-Sawantwadi	30/07/2012	16.14	30/07/2012	16.35	Distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Dhule-Sakri	30/07/2012	07.30	30/07/2012	07.48	Backup earth fault protection operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 31/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	100
Unit 6	210	0
Unit 7	210	155
	620	255
Bhusawal		
Unit 2	210	120
Unit 3	210	120
Unit 4	500	0
Unit 5	500	0
	1420	240
Parli		
Unit 3	210	0
Unit 4	210	140
Unit 5	210	140
Unit 6	250	100
Unit 7	250	0
	1130	380
Chandrapur		
Unit 1	210	165
Unit 2	210	0
Unit 3	210	125
Unit 4	210	140
Unit 5	500	450
Unit 6	500	0
Unit 7	500	350
	2340	1230
Paras		
Unit 3	250	120
Unit 4	250	130
	500	250
Khaparkheda		
Unit 1	210	100
Unit 2	210	0
Unit 3	210	200
Unit 4	210	170
Unit 5	500	200
	1340	670
Nasik		
Unit 3	210	192
Unit 4	210	182
Unit 5	210	0
	630	374
Uran		
All Units	852	470
	852	470
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	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	16
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	185
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	600	1100
WARDHA	405	400
Other CPPs	0	
	1005	1500
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	4053
	3455	4053

	18400	8 of 8 13074
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