



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

State Load Dispatch Center, Airoli

Daily system Report

for

31/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 31/Jul/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	83.473	2840.872	1) Gujrat	-3.848	32.901
2) Hydro	4.283	285.686	2) Madhya Pradesh	10.685	408.861
3) Gas	11.866	293.585	3) Chattisgarh	12.030	343.930
Total MSGENCO	99.622	3420.143	4) Maharashtra	50.901	1542.167
B) OTHERS			5) Goa	-5.663	-177.697
1) JSW JAIGAD	28.613	844.095	6) TAPS 1&2 Injection	3.979	172.438
2) WPCL	9.282	290.304	7) RGPPL Injection	16.181	543.830
3) Other CPP / IPP	6.675	192.868	8) Pench (Excess)	0.000	-1.838
4) Wind Generation	30.275	712.503	# Total Cent. Sector	84.265	2864.592
5) PENCH (MS)	0.000	1.838	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.814	-359.101
1) TPCL Thermal	28.723	855.164	G) Bilateral Power *		
2) TPCL Hydro	1.324	104.889	1) MSEDCL Bilateral	22.942	791.867
TOTAL TPCL	30.047	960.053	Include PX	1.177	3.304
3) REL Thermal	12.623	388.328	2) MUMBAI Bilateral	14.263	416.746
D) STATE			Include PX	0.522	21.806
1) Thermal (A1+C1+C3)	124.819	4084.364	3) MUMBAI Schedule	14.263	423.771
2) Hydro (A2+B5+C2)	5.607	392.413	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.866	293.585	1) MSEDCL	244.918	7967.242
4) Wind (B4)	30.275	712.503	2) TPCL	38.173	1146.016
5) CPP (B1+B2+B3)	44.570	1327.267	3) REL	18.309	561.512
TOTAL STATE	217.137	6810.132	TOTAL STATE	301.400	9674.770

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	3619	3536	3452
MSGENCO Hydro	283	440	68
MSGENCO Gas	596	435	485
MSGENCO Total Generation	4498	4411	4005
Central Sector Receipt	3450	4093	3038
WIND	1268	1312	1183
CPP / IPP	1903	1811	1879
Exchange with Mumbai	-704	-647	-257
MSEDCL DEMAND MET	10415	10980	9848
Load Shedding	527	380	66
MSEDCL DEMAND	10942	11360	9914
TPCL GENERATION	1608	1416	905
R-INFRA GENERATION	525	526	526
TPCL+R-INFRA DEMAND	2837	2589	1688
STATE DEMAND MET	13252	13569	11536
STATE DEMAND	13779	13949	11602
Frequency (Hz)	50.00	50.03	49.90

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
51.29 Hz at 13:00 Hrs	49.14 Hz at 15:50 Hrs	49.95	.13 % 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 31/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.40	69.79	112	84	100
Unit 6	0.00	49.70	0	0	0
Unit 7	3.31	106.04	160	105	155
Total	5.71	225.54			255
Bhusawal					
Unit 2	2.82	97.57	130	110	120
Unit 3	3.02	78.81	160	105	120
Unit 4	2.78	59.66	262	0	0
Unit 5	0.00	0.00	0	0	0
Total	8.62	236.04			240
Parli					
Unit 3	0.00	58.56	0	0	0
Unit 4	3.14	98.09	149	95	140
Unit 5	3.27	99.42	163	109	140
Unit 6	3.20	72.72	190	94	100
Unit 7	0.00	40.36	0	0	0
Total	9.61	369.16			380
Chandrapur					
Unit 1	3.35	89.86	169	92	165
Unit 2	0.00	84.46	0	0	0
Unit 3	2.70	109.86	130	89	125
Unit 4	3.21	117.92	158	96	140
Unit 5	8.40	247.01	460	235	450
Unit 6	0.00	186.91	0	0	0
Unit 7	7.86	214.19	379	259	350
Total	25.52	1050.22			1230
Paras					
Unit 3	3.20	40.57	187	111	120
Unit 4	3.64	94.25	200	121	130
Total	6.84	134.82			250
Khaparkheda					
Unit 1	2.11	122.38	115	50	100
Unit 2	2.11	24.47	142	0	0
Unit 3	4.27	118.89	206	150	200
Unit 4	3.54	140.98	166	96	170
Unit 5	6.06	113.60	276	201	200
Total	18.09	520.32			670
Nasik					
Unit 3	4.80	133.80	215	170	192
Unit 4	4.27	134.09	200	141	182
Unit 5	0.00	36.90	0	0	0
Total	9.07	304.78			374
Uran					
All Units	11.87	293.58	596	431	470
Total	11.87	293.58			470
PENCH (MS)					
Pench (MS)	0.00	1.84	0	0	0
Total	0.00	1.84			0
Koyna					
Stage 1-2	1.26	93.48	150	35	600
Stage 4	0.14	80.62	137	0	250
Stage 3	1.31	60.54	240	0	240
Kovna 12&4 Total	1.39	174.10			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.70	234.64			1090
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.19	13.94	61	0	61
TILLARI	0.34	6.01	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.44	10.88	48	0	40
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.53	4.72	23	22	16
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.08	2.49	9	0	8
GHATGHAR	0.00	12.04	0	0	0
Total	1.58	51.04			185
Wind					
MalharPeth	1.58	37.66			
Vankuswadi	2.42	58.12			
ATIT	0.41	11.26			
Kale	1.15	21.23			
Satara	6.08	77.44			
Shirala	0.99	24.12			
K Mahankal	0.20	48.80			
Supa	0.31	9.95			
Vita	4.69	103.84			
Dondaicha	7.40	203.19			
Sakri	1.48	29.43			
Nandurbar	0.77	19.39			
Khandke	1.35	38.08			
Khaparale	1.46	29.99			
Total	30.28	712.50			
CPP					
JSW JAIGAD	28.61	844.10	1208	1148	1100
WARDHA	9.28	290.30	406	351	400
Other CPPs	6.68	192.87			
Total	44.57	1327.27			1500
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.98	342.49	502	308	500
Trombay 6	8.15	231.36	504	156	500
Trombay 7A	2.39	68.37	126	65	120
Trombay 7B	1.46	37.49	68	50	60
Trombay 8	5.74	175.45	250	208	250
TATA Hydro	1.32	104.89	190	0	447
Total	30.05	960.05			1877
REL					
1&2	12.62	388.33	528	524	500
Total	12.62	388.33			500
Cent Sect					
Share					4053
Total					4053

MS PG CL	Thermal	83.47	2840.87			3399
	Thml+Gas	95.34	3134.46			3869
	Hydro	4.28	285.69			1275
	Total	99.62	3420.14			5144
State Total		217.14	6810.13			13074

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/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	3462	231	494	4187	1161	1894	3577	3269	-522	-370	10141	68	10209	1969	12178	50.01
2	3412	157	490	4059	1216	1898	3498	3069	-439	-326	9916	25	9941	1831	11772	49.88
3	3378	75	493	3946	1275	1888	3479	3016	-393	-275	9850	39	9889	1742	11631	49.94
4	3433	73	489	3995	1313	1879	3472	2956	-369	-247	9896	62	9958	1694	11652	50.11
5	3452	68	485	4005	1183	1879	3472	3038	-369	-257	9848	66	9914	1688	11602	49.90
6	3480	73	501	4054	1296	1882	3483	3384	-384	-320	10296	109	10405	1766	12171	49.59
7	3561	83	594	4238	1289	1863	3549	3229	-492	-389	10230	585	10815	1872	12687	49.63
8	3542	68	593	4203	1238	1857	3178	3160	-560	-449	10009	784	10793	2011	12804	50.01
9	3556	156	595	4307	1304	1889	3256	3145	-631	-570	10075	724	10799	2303	13102	49.73
10	3668	361	595	4624	1311	1900	3539	3244	-803	-663	10416	610	11026	2625	13651	49.83
11	3619	283	596	4498	1268	1903	4211	3450	-869	-704	10415	527	10942	2837	13779	50.00
12	3623	218	538	4379	1202	1887	4279	3738	-926	-834	10372	450	10822	2878	13700	49.78
13	3561	147	439	4147	1154	1898	4265	3679	-911	-851	10027	418	10445	2858	13303	49.91
14	3513	123	477	4113	1167	1872	3976	3821	-630	-795	10178	213	10391	2742	13133	50.08
15	3565	109	477	4151	1348	1816	3854	3817	-624	-922	10210	182	10392	2782	13174	49.95
16	3494	118	481	4093	1294	1811	3906	3726	-615	-907	10017	182	10199	2790	12989	49.93
17	3383	109	474	3966	1295	1812	3556	3949	-612	-821	10201	131	10332	2760	13092	50.06
18	3339	125	450	3914	1286	1775	3620	3834	-606	-748	10061	129	10190	2718	12908	50.03
19	3336	241	441	4018	1226	1765	3675	3909	-548	-621	10297	239	10536	2608	13144	49.98
20	3536	440	435	4411	1312	1811	3716	4093	-579	-647	10980	380	11360	2589	13949	50.03
21	3513	194	434	4141	1335	1832	3845	3976	-595	-611	10673	370	11043	2566	13609	50.04
22	3343	228	431	4002	1260	1832	3905	3824	-595	-505	10413	317	10730	2416	13146	50.03
23	3334	312	432	4078	1325	1845	3896	3716	-595	-497	10467	145	10612	2291	12903	50.12
24	3370	291	432	4093	1217	1882	3701	3223	-595	-485	9930	113	10043	2148	12191	50.14
MUs	83.47	4.28	11.87	99.62	30.28	44.57	88.91	84.26	-14.26	-13.81	244.92	6.87	251.79	56.48	308.27	49.95

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 31/Jul/2012

Position as on 6.30 Hrs of 01/Aug/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	
Parli Unit 3	210	26/07/2012	05.35		Continued.	Low Temperature.	01/08/2012
Dabhol 3A	230	27/07/2012	11.30	31/07/2012	15.29	Gas shortage.	
Chandrapur Unit 2	210	28/07/2012	18.08		Continued.	Furnace Pressure high.	
Khaparkheda Unit 2	210	31/07/2012	01.25	31/07/2012	08:13	Excitation T/F prot.operated	
Koyna ST-IV 2	250	31/07/2012	08:27	31/07/2012	19:20	Maintenance work	
Koyna Unit 6	75	31/07/2012	10:05		Continued.	Bearing replacement work.	09/08/2012
Bhusawal Unit 4	500	31/07/2012	16:26	31/07/2012	19:26	Class A Protection operated.	
Bhusawal Unit 4	500	31/07/2012	20:00		Continued.	Re-Heater Protection	
Koradi Unit 5	200	01/08/2012	01.02	01/08/2012	06.57	Furnace pressure High	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Jul/2012

Position as on 6.30 Hrs of 01/Aug/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.
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	01/08/2012	06.05	L.V.Aux.side isolator replacement work.
Kalwa - Ghatghar	31/07/2012	09.54	31/07/2012	12.31	Replacement of damaged CT Jumper
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	01/08/2012	02.31		Continued.	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
Warora - RLY TSS CKT - I	31/07/2012	11.53	31/07/2012	14.44	Hot Spot
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
Karad-Jaigad II	30/07/2012	23.07	31/07/2012	09.33	Distance protection.
Bableswhar-Aurangabad	31/07/2012	23.43	01/08/2012	06.13	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Apta-HOC	31/07/2012	08.55	31/07/2012	16.39	Pilot wire protection operated
Talangade-Mudshingi-II	31/07/2012	14.40	31/07/2012	18.30	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Padegaon - Sat	31/07/2012	18.10		Continued.	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Jul/2012

Position as on 6.30 Hrs of 01/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Elichpur - Hingoli	31/07/2012	19.02	31/07/2012	19.30	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Aug/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	100
Unit 6	210	0
Unit 7	210	150
	620	250
Bhusawal		
Unit 2	210	120
Unit 3	210	120
Unit 4	500	
Unit 5	500	
	1420	240
Parli		
Unit 3	210	0
Unit 4	210	140
Unit 5	210	100
Unit 6	250	180
Unit 7	250	0
	1130	420
Chandrapur		
Unit 1	210	120
Unit 2	210	0
Unit 3	210	120
Unit 4	210	125
Unit 5	500	360
Unit 6	500	0
Unit 7	500	360
	2340	1085
Paras		
Unit 3	250	170
Unit 4	250	190
	500	360
Khaparkheda		
Unit 1	210	125
Unit 2	210	125
Unit 3	210	135
Unit 4	210	110
Unit 5	500	180
	1340	675
Nasik		
Unit 3	210	192
Unit 4	210	182
Unit 5	210	0
	630	374
Uran		
All Units	852	420
	852	420
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	
BHIRA T.R.	80	40
RNGR+BHTSA	20	
BHANDARDRA	45	24
ELDARY	23	
SMLHY PTN	12	
GHATGHAR	250	
	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	890
WARDHA	405	380
Other CPPs	0	
	1005	1270
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	4498
	3455	4498