



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Aug/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Aug/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	77.853	405.770	1) Gujrat	-5.082	2.414
2) Hydro	13.962	32.757	2) Madhya Pradesh	18.331	72.898
3) Gas	10.927	54.836	3) Chattisgarh	11.750	57.430
Total MSGENCO	102.742	493.363	4) Maharashtra	51.600	248.928
B) OTHERS			5) Goa	-5.068	-28.978
1) JSW JAIGAD	25.447	128.317	6) TAPS 1&2 Injection	4.013	20.005
2) WPCL	5.075	35.764	7) RGPPL Injection	14.956	94.434
3) Other CPP / IPP	5.886	30.637	8) Pench (Excess)	0.000	0.000
4) Wind Generation	28.624	160.863	# Total Cent. Sector	90.500	467.131
5) PENCH (MS)	0.000	0.000	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.287	-75.490
1) TPCL Thermal	23.683	124.222	G) Bilateral Power *		
2) TPCL Hydro	0.285	6.981	1) MSEDCL Bilateral	21.053	130.603
TOTAL TPCL	23.968	131.203	Include PX	-2.964	-3.234
3) REL Thermal	12.367	59.883	2) MUMBAI Bilateral	10.609	56.024
D) STATE			Include PX	0.901	3.723
1) Thermal (A1+C1+C3)	113.903	589.875	3) MUMBAI Schedule	10.609	56.024
2) Hydro (A2+B5+C2)	14.247	39.738	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.927	54.836	1) MSEDCL	247.987	1240.585
4) Wind (B4)	28.624	160.863	2) TPCL	30.876	179.119
5) CPP (B1+B2+B3)	36.408	194.718	3) REL	15.740	87.445
TOTAL STATE	204.109	1040.030	TOTAL STATE	294.603	1507.149

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	3288	2970	3174
MSGENCO Hydro	930	1505	246
MSGENCO Gas	453	460	455
MSGENCO Total Generation	4671	4935	3875
Central Sector Receipt	3671	4071	3256
WIND	1337	1095	1107
CPP / IPP	1588	1538	1509
Exchange with Mumbai	-468	-445	-276
MSEDCL DEMAND MET	10799	11194	9471
Load Shedding	606	441	239
MSEDCL DEMAND	11405	11635	9710
TPCL GENERATION	1074	1143	867
R-INFRA GENERATION	521	525	516
TPCL+R-INFRA DEMAND	2063	2113	1659
STATE DEMAND MET	12862	13307	11130
STATE DEMAND	13468	13748	11369
Frequency (Hz)	49.79	49.58	49.85

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 17.06 Hrs	48.98 Hz at 04.18 Hrs	49.79	.62 % 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 05/Aug/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.72	11.23	124	90	102
Unit 6	0.00	0.00	0	0	0
Unit 7	3.28	14.80	160	100	145
Total	6.00	26.03			247
Bhusawal					
Unit 2	2.94	16.75	150	0	160
Unit 3	0.00	0.87	0	0	0
Unit 4	1.94	11.90	96	62	
Unit 5	0.00	0.00	0	0	
Total	4.88	29.52			160
Parli					
Unit 3	2.74	3.46	140	86	152
Unit 4	3.49	15.80	183	106	140
Unit 5	3.24	14.89	160	117	150
Unit 6	2.01	15.37	153	43	180
Unit 7	0.00	0.00	0	0	0
Total	11.48	49.51			622
Chandrapur					
Unit 1	1.94	12.77	122	0	130
Unit 2	2.22	11.57	127	58	110
Unit 3	2.33	13.49	147	58	130
Unit 4	2.24	14.06	154	52	130
Unit 5	6.76	38.02	355	80	350
Unit 6	0.00	0.00	0	0	0
Unit 7	7.15	37.46	340	250	350
Total	22.63	127.36			1200
Paras					
Unit 3	3.29	17.30	189	0	175
Unit 4	3.69	19.55	177	111	175
Total	6.98	36.85			350
Khaparkheda					
Unit 1	2.94	13.86	140	100	130
Unit 2	2.45	15.30	150	0	130
Unit 3	3.60	18.45	164	135	150
Unit 4	3.62	18.27	158	113	150
Unit 5	4.46	26.99	218	124	250
Total	17.08	92.88			810
Nasik					
Unit 3	4.71	22.73	215	175	210
Unit 4	4.10	20.89	191	140	160
Unit 5	0.00	0.00	0	0	0
Total	8.81	43.62			370
Uran					
All Units	10.93	54.84	461	451	460
Total	10.93	54.84			460
PENCH (MS)					
Pench (MS)	0.00	0.00	0	0	
Total	0.00	0.00			
Koyna					
Stage 1-2	4.41	8.92	420	40	530
Stage 4	5.02	5.13	838	0	250
Stage 3	2.32	6.71	240	0	240
Kovna 12&4 Total	9.43	14.06			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.75	20.76			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.58	0	0	61
TILLARI	0.97	2.85	60	0	60
BHTGR/VEER	0.02	0.02	1	1	0
BHIRA T.R.	0.25	1.83	80	0	80
RNGR+BHTSA	0.10	0.42	4	4	0
BHANDARDRA	0.34	1.48	14	14	14
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.29	0.96	18	10	13
GHATGHAR	0.24	3.84	125	0	0
Total	2.22	11.99			228
Wind					
MalharPeth	2.06	8.35			
Vankuswadi	1.82	9.37			
ATIT	1.27	3.46			
Kale	1.07	5.06			
Satara	2.50	14.89			
Shirala	1.44	5.60			
K Mahankal	1.71	9.72			
Supa	0.39	3.15			
Vita	4.34	21.08			
Dondaicha	7.22	51.38			
Sakri	1.12	7.15			
Nandurbar	0.76	5.77			
Khandke	1.44	8.20			
Khaparale	1.49	7.68			
Total	28.62	160.86			
CPP					
JSW JAIGAD	25.45	128.32	1166	1019	1085
WARDHA	5.08	35.76	227	163	220
Other CPPs	5.89	30.64			
Total	36.41	194.72			1305
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.39	49.09	499	281	500
Trombay 6	4.07	25.40	296	155	500
Trombay 7A	2.94	14.52	124	122	120
Trombay 7B	1.62	8.04	69	67	60
Trombay 8	5.65	27.17	246	198	250
TATA Hydro	0.28	6.98	104	0	447
Total	23.97	131.20			1877
REL					
1&2	12.37	59.88	527	413	500
Total	12.37	59.88			500
Cent Sect					
Share					4603
Total					4603

MS PG CL	Thermal	77.85	405.77			3759
	Thml+Gas	88.78	460.61			4219
	Hydro	13.96	32.76			1248
	Total	102.74	493.36			5467
State Total		204.11	1040.03			13752

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/Aug/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	3305	177	455	3937	1128	1515	3329	3947	-494	-415	10112	184	10296	1964	12260	49.88
2	3227	276	455	3958	1175	1517	3225	3680	-412	-484	9846	218	10064	1804	11868	49.89
3	3200	274	455	3929	1132	1502	3256	3435	-373	-469	9529	235	9764	1708	11472	49.84
4	3174	246	455	3875	1107	1509	3071	3256	-374	-276	9471	239	9710	1659	11369	49.85
5	3424	271	455	4150	1140	1505	3082	3658	-376	-247	10206	248	10454	1639	12093	49.60
6	3337	579	455	4371	1059	1517	3077	3529	-376	-307	10169	338	10507	1701	12208	49.66
7	3596	437	455	4488	1255	1492	3118	3440	-379	-290	10385	680	11065	1686	12751	49.72
8	3582	330	455	4367	1062	1510	3179	3432	-403	-329	10042	813	10855	1723	12578	49.73
9	3572	402	456	4430	1129	1517	3463	3503	-403	-340	10239	897	11136	1840	12976	49.71
10	3524	646	458	4628	1274	1581	3406	3414	-455	-420	10477	720	11197	1966	13163	49.75
11	3288	930	453	4671	1337	1588	3382	3671	-454	-468	10799	606	11405	2063	13468	49.79
12	3247	1071	452	4770	1324	1588	3357	3502	-454	-488	10696	552	11248	2101	13349	49.68
13	3146	757	452	4355	1407	1590	3340	3754	-456	-506	10600	631	11231	2099	13330	49.84
14	3132	572	456	4160	1461	1498	3333	3521	-454	-407	10233	546	10779	2025	12804	49.81
15	3340	149	456	3945	1583	1468	3694	3963	-455	-353	10606	465	11071	1965	13036	49.94
16	3354	109	451	3914	1272	1457	3708	3908	-446	-320	10231	595	10826	1931	12757	49.98
17	3146	119	453	3718	1270	1465	3703	3908	-437	-404	9957	666	10623	1963	12586	49.88
18	3025	109	452	3586	1131	1440	3519	4341	-437	-568	9930	626	10556	1961	12517	50.07
19	2971	412	459	3842	1132	1456	3651	4615	-387	-586	10459	384	10843	1988	12831	49.83
20	2970	1505	460	4935	1095	1538	4062	4071	-434	-445	11194	441	11635	2113	13748	49.58
21	3051	1421	461	4933	1021	1550	4174	4005	-503	-488	11021	439	11460	2208	13668	49.71
22	3105	1388	454	4947	976	1522	3662	3802	-546	-536	10711	368	11079	2202	13281	49.67
23	3085	1146	454	4685	1063	1529	3709	4029	-593	-551	10755	204	10959	2193	13152	49.73
24	3052	636	460	4148	1091	1554	3651	4116	-507	-590	10319	144	10463	2120	12583	49.81
MUs	77.85	13.96	10.93	102.74	28.62	36.41	83.15	90.50	-10.61	-10.29	247.99	11.24	259.23	46.62	305.85	49.79

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 05/Aug/2012

Position as on 6.30 Hrs of 06/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
Bhusawal Unit 3	210	01/08/2012	07.15		Continued.	Capital Overhaul	05/09/2012
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	
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	
Koyna Unit 6	75	31/07/2012	10:05		Continued.	Bearing replacement work.	09/08/2012
Cent_Sect TARAPUR-4	540	01/08/2012	18.16		Continued.	Turbine oil leakage.	
Uran Unit 6	108	01/08/2012	19.29		Continued.	Gas Shortage	
CPP WPCL U-1	135	03/08/2012	08.21		Continued.	Electric Fault.	
CPP WPCL U-4	135	04/08/2012	00.48		Continued.	I D Fan Problem.	
Khaparkheda Unit 2	210	05/08/2012	03.33	05/08/2012	06.08	Furnace Pressure High.	
Bhusawal Unit 2	210	05/08/2012	10.02	05/08/2012	13.28	ID fan problem.	
Cent_Sect Sipat U-2	660	05/08/2012	10.25		Continued.	Boiler Tube Leakage	
Khaparkheda Unit 2	210	05/08/2012	11.47	05/08/2012	14.34	Flame failure.	
Paras Unit 3	250	05/08/2012	16.09	05/08/2012	20.44	Station T/F tripped.	
Chandrapur Unit 1	210	05/08/2012	18.25		Continued.	Poor bunkering and wet coal.	
Koyna Unit 9	80	05/08/2012	21.22	05/08/2012	23.00	Supply failed.	
Koyna Unit 10	80	05/08/2012	21.22	05/08/2012	22.50	Supply failed.	
Koyna Unit 12	80	05/08/2012	21.22	05/08/2012	22.40	Supply failed.	
Bhusawal Unit 4	500	06/08/2012	03.34		Continued.	Low bunkering.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Aug/2012

Position as on 6.30 Hrs of 06/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli-Parli (PGCIL) I	02/08/2012	12.16		Continued.	Opening of Jumpers of Main Bus-I Between Lonikand -II & PGCIL - I.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	05/08/2012	14.16	05/08/2012	19.22	Relay repl.work at Taps end.
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.
Seoni-Wardha-II 765KV.	23/07/2012	11.47		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	25/07/2012	21.58		Continued.	Over Voltage
Kolhapur - Mapusa - I	02/08/2012	16.56		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	04/08/2012	15.09	05/08/2012	04.45	Over Voltage.
Dhule-Sar'Sarovar - II	04/08/2012	22.12		Continued.	Over Voltage.
Akola - Wardha - I	06/08/2012	01.04		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
400/220 KV,500MVA ICT - III at Parly	02/08/2012	11.25		Continued.	Opening of Jumpers of M B-I, Bet.Lonikand-II & PGCIL-I & Parli.
Babaleshwar - Bhusawal	05/08/2012	15.18	05/08/2012	18.23	To attend hot spot of 29 D, B-Ph C.D.Side clamp.
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 Upto 7.8.12
Lamboti-Bale-I	05/08/2012	06.45	05/08/2012	16.00	Conductor repl.work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Half bus section -II at Akola	05/08/2012	09.40	05/08/2012	12.16	To attend HV side Y ph.string sparking observed.
220/33KV 100 MVA ICT - I @ Walve	05/08/2012	20.35	05/08/2012	22.56	For replacement of Y ph.LV side bus isolator 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.
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.
Parli-Tuljapur	05/08/2012	16.45		Continued.	Control Over Voltage.
Parli-Usmanabad	05/08/2012	16.55		Continued.	Control Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 MVA ICT-	04/08/2012	17.21		Continued.	B Ph. H V Side ICT-II Bushing Burst.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 05/Aug/2012

Position as on 6.30 Hrs of 06/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
II @ Dhule					
New Koyna - Dabhol - II	05/08/2012	03.46	05/08/2012	15.40	Over Voltage.
Karad-Jaigad II	05/08/2012	14.39		Continued.	Dist.protection.(ready for charging)
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Bhigwan-Kurkum	05/08/2012	03.00		Continued.	R Ph.C C Burst.
Badnera-Akola-II	05/08/2012	09.28		Continued.	Distance protection.
220/33KV 100 MVA ICT - I @ Valve	05/08/2012	16.34	05/08/2012	17.49	33KV side CT burst.
220/33KV,100 MVA,ICT-II at Valve	05/08/2012	16.34	05/08/2012	17.32	33KV side CT burst.
Pedambe-Pophali I	05/08/2012	21.22		Continued.	R ph.conductor broken near wave trap at Pedambe .
Pedambe - Pophali - II	05/08/2012	21.22		Continued.	R ph.conductor broken near wave trap at Pedambe .
Pedambe - Mahad	05/08/2012	21.22		Continued.	R ph.conductor broken near wave trap at Pedambe .
Bus Sectionaliser at Pedambe	05/08/2012	21.22		Continued.	Tripped.
Koradi-Khaperkheda	06/08/2012	02.42		Continued.	Tripped while shifting on TBC for attend hot spot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Aug/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	105
Unit 6	210	0
Unit 7	210	145
	620	250
Bhusawal		
Unit 2	210	150
Unit 3	210	0
Unit 4	500	
Unit 5	500	
	1420	150
Parli		
Unit 3	210	105
Unit 4	210	150
Unit 5	210	130
Unit 6	250	180
Unit 7	250	0
	1130	565
Chandrapur		
Unit 1	210	0
Unit 2	210	100
Unit 3	210	80
Unit 4	210	80
Unit 5	500	300
Unit 6	500	0
Unit 7	500	300
	2340	860
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	140
Unit 2	210	140
Unit 3	210	140
Unit 4	210	140
Unit 5	500	180
	1340	740
Nasik		
Unit 3	210	180
Unit 4	210	172
Unit 5	210	0
	630	352
Uran		
All Units	852	440
	852	440
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	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	4
BHANDARDRA	45	14
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	227
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	1085
WARDHA	405	330
Other CPPs	0	
	1005	1415
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	4433
	3455	4433