



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Aug/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Aug/2011 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	74.151	369.103	1) Madhya Pradesh	53.566	247.006
2) Hydro	14.560	78.437	2) Gujrat	33.383	164.469
3) Gas	10.445	49.536	3) Goa	-5.678	-27.530
Total MSGENCO	99.156	497.076	4) TAPS 1&2 (Inj.)	7.807	39.094
B) OTHERS			5) Pench (Excess)	-0.665	-1.864
1) RGPPL Gas	38.457	193.950	# Total Cent. Sector	88.413	421.175
2) Wind Generation	20.228	91.357	F) Other Exchanges		
3) CPP	20.980	116.923	1) With TPCL (Excess)	-18.575	-66.750
4) PENCH (MS)	1.003	3.146	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	16.501	90.796
1) TPCL Thermal	22.804	111.926	Include PX	0.000	6.040
2) TPCL Hydro	6.057	31.314	2) MUMBAI Bilateral	17.970	66.615
TOTAL TPCL	28.861	143.240	Include PX	3.010	-0.211
3) REL Thermal	6.258	53.156	3) MUMBAI Schedule	17.970	68.326
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	103.213	534.185	1) MSEDCL	249.662	1256.877
2) Hydro (A2+B3+C2)	21.620	112.897	2) TPCL	36.046	175.466
3) Gas (A3+B1)	48.902	243.486	3) REL	17.647	87.650
4) Wind (B2)	20.228	91.357	TOTAL STATE	303.355	1519.993
5) CPP (B3)	20.980	116.923			
TOTAL STATE	214.943	1098.848			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 9 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3170	3090	3163
MSGENCO Hydro	1115	1614	215
MSGENCO Gas	453	428	443
MSGENCO Total Generation	4738	5132	3821
Central Sector Receipt	3860	3920	3265
RGPPL	1600	1598	1604
WIND	791	795	648
CPP	891	856	884
Exchange with Mumbai	-730	-755	-472
MSEDCL DEMAND MET	11161	11595	9797
Load Shedding (LS)	41	36	41
MSEDCL DEMAND (INCL. LS)	11202	11631	9838
TPCL GENERATION	1226	1429	812
REL GENERATION	261	259	260
TPCL+REL DEMAND	2217	2443	1544
STATE DEMAND MET	13378	14038	11341
Load Management (LM)	1197	2251	1122
Total Load Relief (LS+LM)	1238	2287	1163
UNRESTRICTED STATE DEMAND	14616	16325	12504
Frequency (Hz)	49.67	49.61	49.67

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 17:01 Hrs	49.05 Hz at 20:22 Hrs	49.73	.34 % 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/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.41	15.77	153	115	130
Unit 6	0.00	6.29	0	0	0
Unit 7	2.98	13.82	150	100	130
	6.39	35.88			260
Bhusawal					
Unit 2	3.13	14.10	150	100	160
Unit 3	3.19	14.60	160	100	160
Unit 4	0.00	0.00	0	0	0
	6.32	28.70			320
Parli					
Unit 3	0.00	3.78	0	0	0
Unit 4	2.79	11.05	135	92	110
Unit 5	2.06	11.59	120	0	114
Unit 6	0.00	0.25	0	0	0
Unit 7	3.11	14.72	227	54	160
	7.96	41.39			384
Chandrapur					
Unit 1	3.16	14.85	137	121	150
Unit 2	2.83	14.73	127	103	115
Unit 3	3.54	16.27	181	94	150
Unit 4	3.76	17.20	175	123	150
Unit 5	9.33	43.73	425	360	380
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
	22.62	106.78			945
Paras					
Unit 3	3.65	18.70	180	118	180
Unit 4	3.33	16.44	154	120	150
	6.98	35.14			330
Khaparkheda					
Unit 1	3.65	20.08	170	140	150
Unit 2	3.62	19.47	165	135	150
Unit 3	3.76	21.72	178	143	160
Unit 4	3.66	22.47	170	147	160
Unit 5	1.43	2.37	255	0	0
	16.12	86.11			620
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	3.77	17.26	180	144	160
Unit 5	3.98	17.84	182	146	170
	7.75	35.09			330
Uran					
All Units	10.44	49.54	453	423	440
	10.44	49.54			440
Dabhol					
RGPPL	38.46	193.95	1610	1596	1570
	38.46	193.95			1570
Koyna					
Stage 1-2	3.18	17.60	450	35	600
Stage 4	4.92	23.89	790	0	250
Stage 3	2.15	14.20	318	0	320
	10.24	55.69			1170
Kovna 12&4 Total	8.09	41.49			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.93	4.26	39	38	36
VTRNA	0.00	0.56	0	0	0
TILLARI	1.11	3.92	61	0	60
BHTGR/VEER	0.16	0.93	7	6	7
BHIRA T.R.	0.47	2.44	82	0	80
RNGR+BHTSA	0.06	0.26	3	2	2
BHANDARDRA	0.31	2.58	13	12	37
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.28	6.30	61	50	9
GHATGHAR	0.00	1.49	0	0	0
	4.32	22.74			231
PENCH (MS)					
Pench (MS)	1.00	3.15	53	11	0
	1.00	3.15			0
Wind					
MalharPeth	1.43	6.94			
Vankuswadi	2.54	10.54			
ATIT	0.36	3.04			
Kale	0.74	3.46			
Satara	4.54	13.61			
Shirala	0.70	3.60			
K Mahankal	0.10	3.80			
Supa	0.33	1.19			
Vita	3.51	15.72			
Dondaicha	3.06	16.46			
Sakri	0.58	2.89			
Nandurbar	0.29	1.75			
Khandke	1.34	5.01			
Khaparale	0.71	3.36			
	20.23	91.36			
CPP					
JSW JAIGAD	11.57	69.22	527	436	450
WARDHA	6.24	31.31	265	255	260
Other CPPs	3.16	16.39			
	20.98	116.92			710
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.39	55.35	490	380	500
Trombay 6	7.03	34.95	480	155	500
Trombay 7A	2.82	13.86	118	116	120
Trombay 7B	1.57	7.76	66	64	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	6.06	31.31	391	3	447
	28.86	143.24			1627
REL					
1&2	6.26	53.16	262	259	250
	6.26	53.16			250
Cent Sect					
Share					3776
					3776

MS PG CL	Thermal	74.15	369.10			3189
	Thml+Gas	84.60	418.64			3629
	Hydro	14.56	78.44			1401
	Total	99.16	497.08			5030
State Total		214.94	1098.85			12963

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/Aug/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	3341	213	441	3995	1606	687	831	3382	3461	-607	-570	10057	1545	10098	1778	13380	49.74
2	3252	226	441	3919	1600	658	836	3282	3393	-509	-488	9965	1466	10006	1624	13055	49.63
3	3163	215	443	3821	1604	648	884	3268	3265	-615	-472	9797	1163	9838	1544	12504	49.67
4	3220	216	441	3877	1610	683	864	3257	3255	-600	-444	9893	1134	9934	1506	12533	49.75
5	3246	218	440	3904	1602	665	872	3272	3257	-610	-450	9898	1144	9939	1523	12565	49.65
6	3183	378	440	4001	1603	663	893	3300	3704	-625	-498	10389	1239	10430	1624	13252	49.70
7	3224	668	446	4338	1609	733	889	3354	3821	-684	-564	10849	1238	10890	1755	13842	49.78
8	3231	611	449	4291	1609	747	888	3399	4056	-728	-611	11003	1238	11044	1935	14176	49.82
9	3170	1115	453	4738	1600	791	891	3454	3860	-782	-730	11161	1238	11202	2217	14616	49.67
10	3110	1065	450	4625	1601	855	883	3779	3486	-970	-888	10586	1258	10627	2530	14374	49.70
11	2983	597	436	4016	1601	847	883	4019	4060	-1097	-1043	10388	1249	10429	2759	14396	49.73
12	3054	396	433	3883	1605	903	878	4038	4119	-1117	-1102	10339	1197	10380	2831	14367	49.82
13	3007	251	428	3686	1602	897	875	4039	4082	-1117	-1192	10000	1195	10041	2787	13982	49.81
14	2872	190	431	3493	1607	1004	878	4015	3894	-1092	-1106	9813	1195	9854	2664	13672	49.92
15	2944	196	427	3567	1598	1097	872	3886	3847	-1092	-1088	9943	1200	9984	2689	13832	49.73
16	3027	199	423	3649	1600	1076	881	3739	3539	-1092	-1009	9787	1195	9828	2679	13661	49.79
17	3041	185	426	3652	1602	1320	879	3726	3848	-1092	-1013	10336	1237	10372	2670	14243	49.83
18	3080	196	426	3702	1605	1031	871	3601	3696	-1024	-954	10000	1472	10036	2629	14101	49.86
19	3096	567	429	4092	1601	975	870	3510	3743	-814	-752	10578	2066	10614	2542	15186	49.73
20	3077	1527	428	5032	1598	793	840	3701	3783	-878	-757	11338	2275	11374	2561	16174	49.63
21	3090	1614	428	5132	1598	795	856	3748	3920	-922	-755	11595	2287	11631	2443	16325	49.61
22	2977	1636	426	5039	1596	811	865	3748	3617	-922	-738	11239	2287	11275	2291	15817	49.56
23	2895	1105	430	4430	1597	738	884	3653	3476	-922	-700	10474	2287	10510	2141	14902	49.60
24	2867	976	430	4273	1603	811	917	3457	3231	-831	-651	10233	1990	10269	1972	14195	49.69
MUs	74.15	14.56	10.44	99.16	38.46	20.23	20.98	86.63	88.41	-20.74	-18.58	249.66	35.80	250.60	53.69	339.15	49.73

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/2011

Position as on 6.30 Hrs of 06/Aug/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Dabhol 1A	230	20/05/2011	13.22		Continued.	Rotor replacement.	10/08/2011
Chandrapur Unit 7	500	29/06/2011	21:40		Continued.	COH	16/08/2011
Chandrapur Unit 6	500	12/07/2011	17.24		Continued.	Stator Earth Fault(Mini overhaul)	11/08/2011
Tata Trombay 8	250	15/07/2011	01:45		Continued.	AOH	08/08/2011
Cent_Sect NTPC(V-7)	500	18/07/2011	00.03		Continued.	Annual overhaul.	15/08/2011
Nasik Unit 3	210	23/07/2011	01.55		Continued.	Annual Overhaul.	15/08/2011
CPP WPCL U-4	135	24/07/2011	06.40		Continued.	Maint.Work.	
FORCED OUTAGE							
Uran Unit 5	108	15/07/2011	10.40		Continued.	Turbine Blade Replacement.	10/08/2011
Parli Unit 6	250	01/08/2011	02.47		Continued.	I D Fan Problem.	
Parli Unit 3	210	02/08/2011	12.43		Continued.	Due to wet coal.	
CPP JSW (J) U1	300	03/08/2011	05.45		Continued.	PA Fan problem.	06/08/2011
Koradi Unit 6	210	04/08/2011	01.45		Continued.	Boiler tube leakage.	06/08/2011
REL 1	250	04/08/2011	10.55		Continued.	Boiler Tube Leakage.	06/08/2011
Koyna ST-IV 1	250	04/08/2011	22.00	05/08/2011	02.50	Checking of VPS system.	
Koyna ST-IV 2	250	04/08/2011	22.00	05/08/2011	02.50	Checking of VPS system.	
Koyna ST - IV 3	250	04/08/2011	22.00	05/08/2011	02.50	Checking of VPS system.	
Koyna ST - IV 4	250	04/08/2011	22.00	05/08/2011	02.50	Checking of VPS system.	
Khaparkheda Unit 5	500	05/08/2011	09.32		Continued.	H.P.Pump problem	
Parli Unit 5	210	05/08/2011	22:07		Continued.	Wet coal problem.	07/08/2011
Koyna Unit 5	80	06/08/2011	04.05		Continued.	LGB Cooler Leakage	09/08/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Aug/2011

Position as on 6.30 Hrs of 06/Aug/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad- II	26/07/2011	20.52		Continued.	Over voltage.
Akola - Wardha - I	26/07/2011	23.53		Continued.	Over Voltage.
Akola - Wardha - II	31/07/2011	22.03		Continued.	Over Voltage
Kolhapur - Mapusa - I	02/08/2011	18.13		Continued.	Over Voltage.
Dhule - S'Sarovar- II	03/08/2011	23.04	05/08/2011	06.16	Over Voltage
Dhule-Sar'Sarovar - I	04/08/2011	22.50		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	04/08/2011	23.40	05/08/2011	06.14	Over Voltage.
Karad - Solapur (PGCIL)	05/08/2011	22.11	06/08/2011	05.47	Over Voltage
Dhule - S'Sarovar- II	05/08/2011	23.06		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Bus Coupler at 400KV Karad.	04/08/2011	12.40		Continued.	400KV Jaigad-Karad stringing work.
Padgha - Babaleshwar - II	05/08/2011	09.21	05/08/2011	18.00	Bay Maint.work
Bus Coupler @ New Koyna	05/08/2011	10.06	05/08/2011	13.32	D.C.Leakage
400/220KV,500MVA ICT-III At Kalwa.	05/08/2011	10.14	05/08/2011	20.33	Commissioning of Temp.control Meter
New Koyna - Dabhol - II	05/08/2011	13.48	06/08/2011	02.29	Sparking on Wave Trap
400/220KV 315MVA ICT-II @ New Koyna	05/08/2011	15.15		Continued.	For attending Red Hot B phase Isolator(taken on TBC)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(8 MonthOutage)
220/132KV,100 MVA ICT-III at Girwali.	21/06/2011	10.44		Continued.	Augmentation of ICT by new 200 MVA ICT upto 16.08.2011.
100 KV Group Breaker - II at 220 kv Trombay	28/07/2011	08:56		Continued.	CT Replacement work (up to 05/08/2011)
220/132 KV 100 MVA ICT-I @ Chikhli.	30/07/2011	11.45		Continued.	Replacement by 200 MVA ICT.Up to 20.08.2011.
Padgha-Kamba	05/08/2011	09.05	05/08/2011	18.28	Bay Maint.Work
Inter Connector @ Kalwa	05/08/2011	09.21	05/08/2011	18.10	Attending Hot Spot on CB
Versova-Dhanu	05/08/2011	09.26	05/08/2011	16.20	Replacement of damaged Earthwire
Pedambe - Pophali - II	05/08/2011	09.40	05/08/2011	11.25	Attending damaged conductor strands
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT
Main Bus - I @ Aurangabad	05/08/2011	10.50	05/08/2011	18.20	Jumpering,Testing and Commissioning of Bus sectionlizer
Aurangabad - Padegaon - II	05/08/2011	10.50	05/08/2011	17.57	Jumpering,Testing and Commissioning of Bus sectionlizer
220/132 KV 200 MVA ICT - II @ Theur	05/08/2011	10.57	05/08/2011	17.05	Tandelta measurement and SFRA test
Apta-Nagothane	05/08/2011	11.17	05/08/2011	14.45	Bay Maint.work
Telco-Chinchwad	05/08/2011	11.22	05/08/2011	22.57	Retrofitting of Relay
Versova - Goregaon	05/08/2011	22.19	06/08/2011	05.06	R phase CVT replacement
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Jalgaon - Dhrangaon	05/08/2011	08.15		Continued.	Replacement of 132KV Bus Isolator
Chalisgaon - Manmad - I	05/08/2011	12.18	05/08/2011	17.00	Reconnecting CT to line Isolator

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Aug/2011

Position as on 6.30 Hrs of 06/Aug/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
					Jumper
Voltage Level : 220KV					Outage Type FORCED OUTAGE
Aarey-Borivali-I	05/08/2011	02.12	05/08/2011	03.39	To attend hot spot.
Voltage Level : 400KV					Outage Type HAND TRIPPED
Karad - Kolhapur - I	25/07/2011	22.08		Continued.	Over Voltage.
400/220KV, 100 MVA Spare Unit at Korady	04/08/2011	16.28		Continued.	To attend buchholz alarm problem.
Bhusawal- Aurangabad	04/08/2011	21.54	05/08/2011	06.19	Over Voltage.
Lonikand- Koyna Stage IV	04/08/2011	22.17	05/08/2011	07.29	Over Voltage.
Lonikand- Koyna Stage IV	05/08/2011	01.01		Continued.	Over Voltage
Bhusawal- Aurangabad	05/08/2011	13.20		Continued.	Over Voltage
Voltage Level : 220KV					Outage Type HAND TRIPPED
Bus Coupler @ WPCL	07/06/2011	17.22		Continued.	As being normally kept open.
Chandrapur - Warora	03/07/2011	21.47		Continued.	To Control Wardha-Warora & Wardha-Hinganghat loading.
Babaleshwar - Bhenda	24/07/2011	08.30		Continued.	To Control Babaleshwar ICT Loading.
Abhijeet-Wardha-I	04/08/2011	05.14		Continued.	To control Wardha-Y'mal line loading.
Babhaleshwar-Nasik-II	05/08/2011	09.15	05/08/2011	20.55	Over Voltage
Voltage Level : 400KV					Outage Type TRIPPED
400/220KV 105 MVA Spare ICT at Parly II	22/04/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
Voltage Level : 220KV					Outage Type TRIPPED
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip, Diff. Prot. operated, PRV tripped(Failed).
220/100KV 125 MVA ICT-I @ Kalwa	19/06/2011	13.45		Continued.	Buchholz Augmentation by 200 MVA. Expected in Sept. 2011.
220/7 KV 20 MVA Stn. T/F-II at Korady	29/07/2011	16.30		Continued.	220kv Bus Bar Protection Operated.
Malegaon-Satana	05/08/2011	12.09	05/08/2011	20.45	Distance Protection
Voltage Level : 132KV					Outage Type TRIPPED
Bhandara - Madgi -I	04/08/2011	20.50	05/08/2011	11.32	Low air pressure of C.B.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Aug/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	131
Unit 6	210	0
Unit 7	210	106
	620	237
Bhusawal		
Unit 2	210	130
Unit 3	210	110
Unit 4	0	
	420	240
Parli		
Unit 3	210	0
Unit 4	210	110
Unit 5	210	0
Unit 6	250	0
Unit 7	250	150
	1130	260
Chandrapur		
Unit 1	210	135
Unit 2	210	130
Unit 3	210	175
Unit 4	210	160
Unit 5	500	330
Unit 6	500	0
Unit 7	500	0
	2340	930
Paras		
Unit 3	250	125
Unit 4	250	125
	500	250
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	160
Unit 4	210	160
Unit 5	500	
	1340	620
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	0
Unit 4	210	160
Unit 5	210	160
	870	320
Uran		
All Units	852	430
	852	430
Dabhol		
RGPP	1940	1570
	1940	1570
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Hydro		
KDPH	40	36

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	3
BHANDARDRA	45	12
ELDARY	23	0
SMLHY PTN	12	12
GHATGHAR	250	0
	611	208
PENCH (MS)		
Pench (MS)	53	
	53	
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	550
WARDHA	405	260
Other CPPs	0	
	1005	810
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1617
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	3734
	3455	3734