



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Aug/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Aug/2011 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	73.650	294.952	1) Madhya Pradesh	54.370	193.440
2) Hydro	11.444	63.877	2) Gujrat	32.520	131.086
3) Gas	10.533	39.091	3) Goa	-5.474	-21.852
Total MSGENCO	95.627	397.920	4) TAPS 1&2 (Inj.)	7.760	31.287
B) OTHERS			5) Pench (Excess)	-0.156	-1.199
1) RGPPL Gas	38.576	155.493	# Total Cent. Sector	89.020	332.762
2) Wind Generation	18.455	71.129	F) Other Exchanges		
3) CPP	21.471	95.943	1) With TPCL (Excess)	-15.445	-48.175
4) PENCH (MS)	0.475	2.143	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	20.152	74.294
1) TPCL Thermal	22.417	89.122	Include PX	3.529	6.040
2) TPCL Hydro	6.311	25.257	2) MUMBAI Bilateral	13.615	48.644
TOTAL TPCL	28.728	114.379	Include PX	-0.511	-3.221
3) REL Thermal	9.136	46.898	3) MUMBAI Schedule	15.326	50.356
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	105.203	430.972	1) MSEDCL	248.179	1007.215
2) Hydro (A2+B3+C2)	18.230	91.277	2) TPCL	35.667	139.420
3) Gas (A3+B1)	49.109	194.584	3) REL	17.619	70.003
4) Wind (B2)	18.455	71.129	TOTAL STATE	301.465	1216.638
5) CPP (B3)	21.471	95.943			
TOTAL STATE	212.468	883.905			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3234	3225	2912
MSGENCO Hydro	396	1246	242
MSGENCO Gas	438	441	436
MSGENCO Total Generation	4068	4912	3590
Central Sector Receipt	4079	3924	3057
RGPPL	1608	1600	1604
WIND	811	738	676
CPP	906	904	876
Exchange with Mumbai	-795	-758	-302
MSEDCL DEMAND MET	10680	11345	9518
Load Shedding (LS)	46	37	46
MSEDCL DEMAND (INCL. LS)	10726	11382	9564
TPCL GENERATION	1481	1392	680
REL GENERATION	494	260	526
TPCL+REL DEMAND	2770	2410	1508
STATE DEMAND MET	13450	13755	11026
Load Management (LM)	1137	2141	1007
Total Load Relief (LS+LM)	1183	2178	1053
UNRESTRICTED STATE DEMAND	14633	15933	12079
Frequency (Hz)	49.91	49.64	49.66

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 18.03 Hrs	49.13 Hz at 20.43 Hrs	49.78	.31 % 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 04/Aug/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.43	12.36	155	129	140
Unit 6	0.11	6.29	66	0	0
Unit 7	3.08	10.83	155	85	140
	6.63	29.49			280
Bhusawal					
Unit 2	3.44	10.98	160	120	140
Unit 3	3.50	11.40	165	105	130
Unit 4		0.00	0	0	
	6.94	22.38			270
Parli					
Unit 3	0.00	3.78	0	0	0
Unit 4	2.99	8.26	146	83	100
Unit 5	2.52	9.53	123	89	110
Unit 6	0.00	0.25	0	0	0
Unit 7	4.10	11.61	227	100	150
	9.61	33.43			360
Chandrapur					
Unit 1	2.18	11.69	139	0	0
Unit 2	2.81	11.90	129	100	120
Unit 3	3.17	12.73	176	86	160
Unit 4	3.06	13.45	160	52	160
Unit 5	8.80	34.40	395	275	380
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
	20.03	84.17			820
Paras					
Unit 3	3.88	15.06	190	124	180
Unit 4	3.05	13.10	180	67	160
	6.93	28.16			340
Khaparkheda					
Unit 1	3.89	16.42	175	135	180
Unit 2	3.75	15.84	182	115	170
Unit 3	4.05	17.96	182	151	180
Unit 4	4.25	18.82	208	149	200
Unit 5	0.95	0.95	198	0	
	16.89	69.99			730
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	3.15	13.49	151	114	142
Unit 5	3.48	13.85	171	104	142
	6.63	27.34			284
Uran					
All Units	10.53	39.09	447	434	430
	10.53	39.09			430
Dabhol					
RGPPL	38.58	155.49	1631	1591	1570
	38.58	155.49			1570
Koyna					
Stage 1-2	2.70	14.43	405	40	600
Stage 4	1.90	18.97	502	0	250
Stage 3	2.23	12.05	320	0	320
	6.83	45.45			1170
Kovna 12&4 Total	4.60	33.40			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.83	3.34	35	34	36
VTRNA	0.28	0.56	61	0	0
TILLARI	0.92	2.81	60	0	60
BHTGR/VEER	0.19	0.76	8	7	7
BHIRA T.R.	0.50	1.97	82	0	80
RNGR+BHTSA	0.05	0.20	3	2	2
BHANDARDRA	0.54	2.26	23	22	37
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.30	5.03	62	51	10
GHATGHAR	0.00	1.49	0	0	0
	4.62	18.43			232
PENCH (MS)					
Pench (MS)	0.48	2.14	53	0	
	0.48	2.14			
Wind					
MalharPeth	1.38	5.52			
Vankuswadi	2.50	8.01			
ATIT	0.34	2.67			
Kale	0.75	2.72			
Satara	4.53	9.06			
Shirala	0.72	2.90			
K Mahankal	0.09	3.70			
Supa	0.24	0.86			
Vita	3.37	12.21			
Dondaicha	2.14	13.40			
Sakri	0.43	2.31			
Nandurbar	0.22	1.46			
Khandke	1.03	3.67			
Khaparale	0.71	2.65			
	18.46	71.13			
CPP					
JSW JAIGAD	12.04	57.64	515	475	450
WARDHA	6.25	25.07	268	254	260
Other CPPs	3.18	13.23			
	21.47	95.94			710
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.19	43.96	490	345	500
Trombay 6	6.81	27.92	460	150	500
Trombay 7A	2.84	11.04	120	117	120
Trombay 7B	1.57	6.20	66	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	6.31	25.26	393	3	420
	28.73	114.38			1600
REL					
1&2	9.14	46.90	527	259	500
	9.14	46.90			500
Cent Sect					
Share					3699
					3699

MS PG CL	Thermal	73.65	294.95			3084
	Thml+Gas	84.18	334.04			3514
	Hydro	11.44	63.88			1402
	Total	95.63	397.92			4916
State Total		212.47	883.90			12995

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	2968	229	436	3633	1631	681	869	3230	3350	-365	-318	9869	1453	9915	1771	13093	49.85
2	2975	224	436	3635	1619	760	873	3150	3085	-279	-261	9731	1376	9777	1606	12713	49.79
3	2875	389	436	3700	1607	694	875	3116	3057	-237	-262	9691	1083	9737	1534	12308	49.63
4	2912	242	436	3590	1604	676	876	3100	3057	-221	-302	9518	1053	9564	1508	12079	49.66
5	2896	235	436	3567	1613	834	870	3108	3146	-231	-261	9789	1069	9835	1529	12387	49.83
6	2909	274	435	3618	1618	875	876	3328	3711	-253	-300	10421	1181	10467	1619	13221	49.93
7	2873	328	434	3635	1620	928	887	3353	3756	-311	-384	10465	1180	10511	1751	13396	49.98
8	3098	352	439	3889	1626	814	894	3400	3838	-370	-450	10634	1180	10680	1936	13750	50.06
9	3191	405	439	4035	1617	898	893	3465	3774	-440	-524	10716	1180	10762	2232	14128	49.92
10	3211	410	441	4062	1614	920	908	3701	3850	-536	-641	10736	1198	10782	2562	14496	49.94
11	3234	396	438	4068	1608	811	906	3996	4079	-733	-795	10680	1183	10726	2770	14633	49.91
12	3236	371	444	4051	1605	821	908	4022	4133	-1030	-1027	10491	1133	10537	2770	14394	49.87
13	3012	308	435	3755	1601	815	908	4012	4084	-1019	-1012	10151	1131	10197	2744	14026	49.83
14	3019	290	434	3743	1601	788	907	3937	4036	-941	-924	10151	1131	10197	2628	13910	49.81
15	2934	732	435	4101	1591	738	913	3812	3744	-936	-959	10128	1135	10174	2674	13937	49.68
16	2932	1116	443	4491	1594	773	905	3683	3506	-931	-967	10328	1124	10374	2663	14115	49.67
17	3019	684	447	4150	1595	692	902	3870	3924	-1055	-917	10372	1179	10409	2636	14187	49.66
18	3071	471	444	3986	1612	724	907	3780	3931	-804	-835	10351	1382	10388	2593	14326	49.88
19	3114	362	440	3916	1606	693	913	3779	3858	-716	-724	10288	1969	10325	2506	14763	49.81
20	3102	1050	441	4593	1598	716	898	3944	4015	-764	-745	11100	2169	11137	2496	15765	49.63
21	3225	1246	441	4912	1600	738	904	4013	3924	-828	-758	11345	2178	11382	2410	15933	49.64
22	3300	669	445	4414	1600	677	909	4026	4006	-828	-750	10882	2178	10919	2290	15350	49.65
23	3269	410	436	4115	1595	676	908	3899	3754	-794	-729	10343	2178	10380	2135	14656	49.55
24	3276	251	442	3969	1601	716	862	3476	3401	-702	-600	10002	1896	10039	1946	13844	49.65
MUs	73.65	11.44	10.53	95.63	38.58	18.46	21.47	87.20	89.02	-15.33	-15.44	248.18	33.92	249.21	53.31	335.41	49.78

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 04/Aug/2011

Position as on 6.30 Hrs of 05/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
Khaparkheda Unit 5	500	29/07/2011	13.06	04/08/2011	16.20	Loss of Fuel.	
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.	05/08/2011
Chandrapur Unit 1	210	03/08/2011	23.51	04/08/2011	06.20	Aux.supply fail.	
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.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Aug/2011

Position as on 6.30 Hrs of 05/Aug/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur - Bhadravati-IV	04/08/2011	08.06	04/08/2011	17.22	RTU DC project work by PGCIL.
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
Dhule-S'Sarovar I	01/08/2011	23.37	04/08/2011	08.48	H/T for O/V.
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
Karad - Solapur (PGCIL)	04/08/2011	00.11	04/08/2011	06.58	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.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Lonikand - Chakan	04/08/2011	08.35	04/08/2011	16.20	Relay testing work.
400/220 KV 500 MVA ICT - II @ Jejuri	04/08/2011	10.02	04/08/2011	16.55	Testing Work.
Chandrapur - Parly - III	04/08/2011	10.41	04/08/2011	13.56	To attend break down of E/W at Loc.No.316 and 317.
Bus Coupler at 400KV Karad.	04/08/2011	12.40		Continued.	400KV Jaigad-Karad stringing work.
Padgha - Kharghar	04/08/2011	14.58	04/08/2011	15.53	Attending hot spot. 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.
Versova-Boiser	04/08/2011	06.30	04/08/2011	08.15	Attending chattering sound from CVT.
Lonand - Baramati	04/08/2011	08.30	04/08/2011	19.52	Replacement of faulty insulator Loc.No.134.
Telco-Chinchwad	04/08/2011	10.13	04/08/2011	22.30	Replacement of relay.
Bus Section - II @ Telco	04/08/2011	10.15	04/08/2011	19.14	Testing work.
Jejuri (New) - Phursungi - II	04/08/2011	15.26	04/08/2011	18.33	Attending hot spot on B ph.CT.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
K'gaon-Roha-II	04/08/2011	15.58	04/08/2011	17.43	Testing Work.
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.
Bhusawal- Aurangabad	03/08/2011	21.55	04/08/2011	07.56	Over Voltage.
Lonikand- Koyna Stage IV	03/08/2011	22.32	04/08/2011	08.18	Over Voltage.
400/220KV,100 MVA	04/08/2011	16.28		Continued.	To attend buchholz alarm problem.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Aug/2011

Position as on 6.30 Hrs of 05/Aug/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Spare Unit at Korady					
Bhusawal- Aurangabad	04/08/2011	21.54	05/08/2011	06.19	Over Voltage.
Lonikand- Koyna Stage IV	04/08/2011	22.17		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.
Vankuswadi-KDPH	03/08/2011	15.05	04/08/2011	01.10	To control Parli ICT loading.
Hingoli-Pusad	03/08/2011	16.09	04/08/2011	11.38	To control 220KV Wardha- Y'Mal L/L.
Abhijeet-Wardha-I	04/08/2011	05.14		Continued.	To control Wardha-Y'mal line loading.
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.
Pophali - KDPH	03/08/2011	15.05	04/08/2011	01.15	Distance protection.
Pusad - Bhugaon	03/08/2011	15.55	04/08/2011	11.23	B ph.conductor broken at 113km from Pusad.
Voltage Level : 132KV			Outage Type TRIPPED		
Dhule - Dhule	03/08/2011	18.01	04/08/2011	14.20	Y ph.conductor broken near 1st Tower.
Bhandara - Madgi -I	04/08/2011	20.50		Continued.	Low air pressure of C.B.at Bhandara end.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Aug/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	0
Unit 7	210	130
	620	260
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	0	
	420	320
Parli		
Unit 3	210	0
Unit 4	210	110
Unit 5	210	114
Unit 6	250	0
Unit 7	250	160
	1130	384
Chandrapur		
Unit 1	210	150
Unit 2	210	115
Unit 3	210	150
Unit 4	210	150
Unit 5	500	380
Unit 6	500	0
Unit 7	500	0
	2340	945
Paras		
Unit 3	250	180
Unit 4	250	150
	500	330
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	170
	870	330
Uran		
All Units	852	440
	852	440
Dabhol		
RGPP	1940	1570
	1940	1570
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	36

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	7
BHIRA T.R.	80	80
RNGR+BHTSA	20	2
BHANDARDRA	45	37
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	231
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	450
WARDHA	405	260
Other CPPs	0	
	1005	710
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	3776
	3455	3776