



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Aug/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Aug/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	73.137	146.253	1) Madhya Pradesh	45.086	88.745
2) Hydro	25.186	36.908	2) Gujrat	32.733	65.531
3) Gas	9.341	18.712	3) Goa	-5.814	-11.316
Total MSGENCO	107.664	201.873	4) TAPS 1&2 (Inj.)	7.862	15.751
B) OTHERS			5) Pench (Excess)	-0.351	-0.774
1) RGPPL Gas	38.880	77.892	# Total Cent. Sector	79.516	157.937
2) Wind Generation	12.470	35.116	F) Other Exchanges		
3) CPP	25.974	51.864	1) With TPCL (Excess)	-11.030	-22.684
4) PENCH (MS)	0.614	1.037	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	17.211	36.932
1) TPCL Thermal	22.692	43.084	Include PX	0.000	2.511
2) TPCL Hydro	6.231	12.500	2) MUMBAI Bilateral	17.708	32.403
TOTAL TPCL	28.923	55.584	Include PX	-0.856	-1.461
3) REL Thermal	12.577	25.157	3) MUMBAI Schedule	17.708	32.403
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	108.406	214.494	1) MSEDCL	254.088	503.035
2) Hydro (A2+B3+C2)	32.031	50.445	2) TPCL	34.987	68.740
3) Gas (A3+B1)	48.221	96.604	3) REL	17.541	34.680
4) Wind (B2)	12.470	35.116	TOTAL STATE	306.616	606.455
5) CPP (B3)	25.974	51.864			
TOTAL STATE	227.102	448.523			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	2966	3115	3026
MSGENCO Hydro	1198	1924	322
MSGENCO Gas	394	391	383
MSGENCO Total Generation	4558	5430	3731
Central Sector Receipt	3841	3623	2632
RGPPL	1604	1618	1606
WIND	446	453	601
CPP	1082	1079	1077
Exchange with Mumbai	-692	-452	-246
MSEDCL DEMAND MET	10863	11802	9401
Load Shedding (LS)	41	36	41
MSEDCL DEMAND (INCL. LS)	10904	11838	9442
TPCL GENERATION	1506	1509	725
REL GENERATION	526	523	524
TPCL+REL DEMAND	2724	2484	1495
STATE DEMAND MET	13587	14286	10896
Load Management (LM)	1199	2181	1027
Total Load Relief (LS+LM)	1240	2217	1068
UNRESTRICTED STATE DEMAND	14827	16503	11964
Frequency (Hz)	49.58	49.56	49.52

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.11 Hz at 06.01 Hrs	49.01 Hz at 19.47 Hrs	49.65	1.34 % 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 02/Aug/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.87	6.10	146	92	117
Unit 6	2.01	4.14	122	19	60
Unit 7	2.42	5.12	130	70	110
	7.30	15.35			287
Bhusawal					
Unit 2	2.51	4.84	150	15	130
Unit 3	2.24	4.73	130	0	130
Unit 4		0.00	0	0	
	4.74	9.57			260
Parli					
Unit 3	0.97	3.78	103	0	90
Unit 4	2.36	3.28	120	66	130
Unit 5	2.33	4.67	109	77	110
Unit 6	0.00	0.25	0	0	0
Unit 7	3.28	4.61	173	105	148
	8.94	16.59			478
Chandrapur					
Unit 1	3.42	6.18	155	115	140
Unit 2	3.16	6.04	139	122	125
Unit 3	1.62	5.64	177	0	0
Unit 4	2.65	6.54	172	0	0
Unit 5	9.08	16.79	400	355	350
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
	19.92	41.19			615
Paras					
Unit 3	3.53	6.93	186	80	140
Unit 4	3.74	6.76	198	128	140
	7.27	13.70			280
Khaparkheda					
Unit 1	4.19	8.34	180	160	172
Unit 2	4.03	8.07	178	154	179
Unit 3	4.69	9.32	209	191	187
Unit 4	4.86	9.72	209	191	201
Unit 5		0.00	0	0	
	17.76	35.44			739
Nasik					
Unit 1		0.00	0	0	
Unit 2		0.00	0	0	
Unit 3	0.00	0.00	0	0	0
Unit 4	3.72	7.21	170	135	160
Unit 5	3.48	7.21	164	127	152
	7.20	14.42			312
Uran					
All Units	9.34	18.71	402	382	380
	9.34	18.71			380
Dabhol					
RGPPL	38.88	77.89	1637	1604	1590
	38.88	77.89			1590
Koyna					
Stage 1-2	5.79	7.56	485	45	600
Stage 4	10.29	12.38	954	0	250
Stage 3	4.36	6.78	320	0	320
	20.45	26.72			1170
Koyna 12&4 Total	16.08	19.94			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.95	1.90	40	39	36
VTRNA	0.00	0.29	0	0	60
TILLARI	0.59	1.24	60	0	60
BHTGR/VEER	0.19	0.38	8	7	0
BHIRA T.R.	0.53	1.04	82	0	0
RNGR+BHTSA	0.06	0.10	3	2	2
BHANDARDRA	0.61	1.19	37	13	23
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.29	2.55	61	50	18
GHATGHAR	0.52	1.49	125	0	0
	4.74	10.18			199
PENCH (MS)					
Pench (MS)	0.61	1.04	51	0	
	0.61	1.04			
Wind					
MalharPeth	0.94	2.70			
Vankuswadi	1.61	3.93			
ATIT	0.23	1.47			
Kale	0.54	1.36			
Satara	0.46	2.78			
Shirala	0.49	1.39			
K Mahankal	2.28	2.96			
Supa	0.20	0.38			
Vita	2.32	5.64			
Dondaicha	1.76	6.94			
Sakri	0.33	1.27			
Nandurbar	0.19	0.76			
Khandke	0.78	2.22			
Khaparale	0.33	1.32			
	12.47	35.12			
CPP					
JSW JAIGAD	16.32	32.63	696	646	625
WARDHA	6.28	12.55	271	255	260
Other CPPs	3.38	6.68			
	25.97	51.86			885
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.12	21.44	490	350	490
Trombay 6	7.22	13.23	485	155	500
Trombay 7A	2.79	5.36	120	89	120
Trombay 7B	1.56	3.05	66	56	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	6.23	12.50	387	3	447
	28.92	55.58			1617
REL					
1&2	12.58	25.16	526	520	500
	12.58	25.16			500
Cent Sect					
Share					3432
					3432

MS PG CL	Thermal	73.14	146.25		2971
	Thml+Gas	82.48	164.96		3351
	Hydro	25.19	36.91		1369
	Total	107.66	201.87		4720
State Total		227.10	448.52		12744

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/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	3175	499	384	4058	1620	561	1092	2944	2846	-568	-351	9836	1449	9877	1694	12979	49.66
2	3043	331	396	3770	1616	639	1078	2868	2746	-488	-269	9580	1366	9621	1574	12520	49.62
3	3026	322	383	3731	1606	601	1077	2855	2632	-456	-246	9401	1068	9442	1495	11964	49.52
4	2776	637	385	3798	1605	507	1079	2842	2731	-440	-251	9469	1049	9510	1466	11984	49.53
5	2781	698	384	3863	1616	619	1079	2833	2814	-429	-265	9726	1062	9767	1483	12271	49.71
6	2838	1165	402	4405	1628	592	1079	2858	2906	-461	-292	10318	1184	10359	1588	13090	49.74
7	2883	1133	389	4405	1636	617	1087	2902	3334	-531	-315	10764	1184	10805	1708	13656	49.81
8	2881	1139	388	4408	1637	579	1044	2958	3581	-590	-295	10954	1184	10995	1914	14052	49.82
9	2999	1086	390	4475	1631	518	1086	3029	3676	-664	-405	11005	1184	11046	2187	14376	49.78
10	2944	1356	394	4694	1617	463	1088	3289	3486	-782	-556	10816	1220	10857	2523	14559	49.67
11	2966	1198	394	4558	1604	446	1082	3623	3841	-984	-692	10863	1240	10904	2724	14827	49.58
12	2967	1111	387	4465	1607	436	1084	3694	3864	-1036	-729	10752	1214	10793	2767	14733	49.66
13	3109	686	386	4181	1611	390	1107	3705	4093	-1025	-714	10693	1217	10734	2721	14631	49.66
14	3017	810	384	4211	1612	491	1084	3657	3847	-947	-618	10652	1217	10693	2597	14466	49.56
15	3093	1107	385	4585	1612	531	1092	3543	3483	-921	-634	10694	1221	10735	2629	14544	49.55
16	3296	1250	382	4928	1620	544	1092	3436	3167	-926	-606	10796	1217	10837	2616	14629	49.74
17	3322	1216	391	4929	1622	642	1088	3431	3095	-921	-560	10867	1252	10903	2587	14706	49.65
18	3072	1054	389	4515	1626	648	1081	3356	3187	-841	-515	10576	1436	10612	2554	14566	49.74
19	3039	1066	391	4496	1631	443	1084	3363	3336	-735	-412	10629	2014	10665	2484	15127	49.82
20	3115	1924	391	5430	1618	453	1079	3519	3623	-777	-452	11802	2217	11838	2484	16503	49.56
21	3189	1964	390	5543	1623	434	1081	3557	3536	-821	-547	11719	2227	11755	2416	16362	49.59
22	3134	1787	394	5315	1622	436	1059	3571	3405	-841	-524	11362	2227	11398	2261	15850	49.47
23	3202	951	390	4543	1629	490	1078	3419	3283	-807	-443	10628	2227	10664	2119	14974	49.55
24	3270	696	392	4358	1631	390	1094	3194	3004	-715	-339	10186	1916	10222	1939	14041	49.61
MUs	73.14	25.19	9.34	107.66	38.88	12.47	25.97	78.45	79.52	-17.71	-11.03	254.09	34.79	255.03	52.53	341.41	49.65

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 02/Aug/2011

Position as on 6.30 Hrs of 03/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
Uran Unit A0	120	17/07/2011	11.52		Continued.	Stator earth fault.	
Khaparkheda Unit 5	500	29/07/2011	13.06		Continued.	Loss of Fuel.	
Parli Unit 6	250	01/08/2011	02.47		Continued.	I D Fan Problem.	
Bhusawal Unit 3	210	02/08/2011	01.25	02/08/2011	05.10	Drum level high.	
Chandrapur Unit 3	210	02/08/2011	03.10	02/08/2011	11.42	Coal mill flash over.	
Chandrapur Unit 4	210	02/08/2011	03.22	02/08/2011	09.42	Low vaccum.	
Parli Unit 3	210	02/08/2011	12.43		Continued.	Due to wet coal.	
Bhusawal Unit 2	210	02/08/2011	13.02	02/08/2011	14.39	Drum level high.	
Chandrapur Unit 3	210	02/08/2011	17.00	02/08/2011	20.09	Axle shift high.	
Chandrapur Unit 3	210	02/08/2011	20.22	02/08/2011	21.27	Condenser Vaccum low.	
Bhusawal Unit 2	210	03/08/2011	01.37	03/08/2011	03.40	Furnace pressure high.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Aug/2011

Position as on 6.30 Hrs of 03/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.
Kolhapur-Mapusa-II	29/07/2011	23.28	02/08/2011	09.52	Over Voltage.
Akola - Wardha - II	31/07/2011	22.03		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	31/07/2011	23.04	02/08/2011	08.23	Over Voltage.
Karad - Solapur (PGCIL)	01/08/2011	22.40	02/08/2011	06.44	H/T due to Over voltage.
Dhule-S'Sarovar I	01/08/2011	23.37		Continued.	H/T for O/V.
Kolhapur - Mapusa - I	02/08/2011	18.13		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	02/08/2011	22.38		Continued.	Over Voltage.
IntraState					
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 30.07.2011
100 KV Group Breaker - II at 220 kv Trombay	28/07/2011	08:56		Continued.	CT Replacement work (up to 31/07/2011)
220/132 KV 100 MVA ICT-I @ Chikhli.	30/07/2011	11.45		Continued.	Replacement by 200 MVA ICT.
220/100 KV 100 MVA T/F - IV @ Kandalgaon	02/08/2011	09.25	02/08/2011	18.40	Bus Outage at Kandalgaon.
220/100KV 50 MVA T/F-III @ Kandalgaon	02/08/2011	09.25	02/08/2011	18.40	Bus Outage at Kandalgaon.
Kandalgaon - Sonalloy	02/08/2011	09.33	02/08/2011	20.10	Bus Outage at Kandalgaon.
Kandalgaon-Bhira	02/08/2011	09.36	02/08/2011	17.54	Bus Outage at Kandalgaon.
Kandalgaon - Pirangut	02/08/2011	09.37	02/08/2011	19.05	Bus Outage at Kandalgaon.
Kandalgaon - Dasturi	02/08/2011	09.38	02/08/2011	19.02	Bus Outage at Kandalgaon.
Kandalgaon - Topworth	02/08/2011	09.42	02/08/2011	19.40	Bus Outage at Kandalgaon.
Kandalgaon - ONGC	02/08/2011	09.46	02/08/2011	19.31	Bus Outage at Kandalgaon.
220/22 KV 50 MVA T/F-I @ K'gaon	02/08/2011	09.54	02/08/2011	18.20	Bus Outage at Kandalgaon.
220 KV Bus @ Kandalgaon	02/08/2011	10.00	02/08/2011	17.45	Commissioning of new GIS Bus sectionaliser II.
Kandalgaon - Pophali	02/08/2011	10.01	02/08/2011	18.15	Bus Outage at Kandalgaon.
Karad Mudsingi-II	02/08/2011	10.02	02/08/2011	13.28	Q.M.Work
Kalwa-Temghar	02/08/2011	14.20	02/08/2011	18.00	Testing work at Temghar.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Girwali - Latur MIDC	19/07/2011	11.09		Continued.	Disc insulator strings replacement from LOC 32 to 82.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400 KV Bus Coupler @ New Koyana	02/08/2011	12.20	02/08/2011	18.12	To attend D.C.leakage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	25/07/2011	22.08		Continued.	Over Voltage.
Bhusawal- Aurangabad	01/08/2011	22.28	02/08/2011	06.43	H/T due Over voltage.
Bhusawal- Aurangabad	02/08/2011	22.10		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Aug/2011

Position as on 6.30 Hrs of 03/Aug/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.
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.
Versova-Dhanu	02/08/2011	06.17	02/08/2011	15.08	Tripped on distance protection.
Versova-Gorai	02/08/2011	13.18	02/08/2011	13.57	LBB Operated.
Voltage Level : 132KV			Outage Type TRIPPED		
Dondaicha - Nandurbar	02/08/2011	01.25	02/08/2011	02.45	Tripped due to flashover 'B' phase LA of 132 KV Dondaicha Ckt.
Hingoli-Hingoli II	02/08/2011	10.52	02/08/2011	10.58	Distance protection operated,Z-I,B-Ph.
Voltage Level : 100KV			Outage Type TRIPPED		
Kandalgaon-Roha-I	02/08/2011	09.15	02/08/2011	20.50	C.B.Problem at K'gaon.
Kandalgaon-Roha-II	02/08/2011	09.15		Continued.	C.B.Problem at K'gaon.
Kandalgaon - Mhasale	02/08/2011	09.15	02/08/2011	22.25	C.B.Problem at K'gaon.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Aug/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	120
Unit 7	210	120
	620	360
Bhusawal		
Unit 2	210	130
Unit 3	210	140
Unit 4	0	
	420	270
Parli		
Unit 3	210	0
Unit 4	210	95
Unit 5	210	90
Unit 6	250	0
Unit 7	250	100
	1130	285
Chandrapur		
Unit 1	210	150
Unit 2	210	125
Unit 3	210	190
Unit 4	210	160
Unit 5	500	350
Unit 6	500	0
Unit 7	500	0
	2340	975
Paras		
Unit 3	250	180
Unit 4	250	140
	500	320
Khaparkheda		
Unit 1	210	180
Unit 2	210	170
Unit 3	210	190
Unit 4	210	200
Unit 5	500	
	1340	740
Nasik		
Unit 1	120	0
Unit 2	120	0
Unit 3	210	0
Unit 4	210	142
Unit 5	210	142
	870	284
Uran		
All Units	852	380
	852	380
Dabhol		
RGPP	1940	1590
	1940	1590
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	11
GHATGHAR	250	0
	611	233
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	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	500
	500	500
Cent Sect		
Share	3455	3638
	3455	3638