



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Aug/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Aug/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	58.115	2124.295	1) Madhya Pradesh	48.381	1438.280
2) Hydro	18.382	438.386	2) Gujrat	45.400	1325.827
3) Gas	14.015	376.027	3) Goa	-4.834	-170.954
Total MSGENCO	90.512	2938.708	4) TAPS 1&2 (Inj.)	7.813	231.758
B) OTHERS			5) Pench (Excess)	-0.127	-5.812
1) RGPPL Gas	30.066	1079.773	# Total Cent. Sector	96.633	2819.099
2) Wind Generation	12.581	544.196	F) Other Exchanges		
3) CPP	22.393	647.195	1) With TPCL (Excess)	-13.495	-395.078
4) PENCH (MS)	0.127	7.398	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	12.381	656.678
1) TPCL Thermal	24.303	669.822	Include PX	0.000	159.374
2) TPCL Hydro	6.504	155.009	2) MUMBAI Bilateral	14.441	392.872
TOTAL TPCL	30.807	824.831	Include PX	2.566	25.358
3) REL Thermal	8.329	333.063	3) MUMBAI Schedule	14.441	397.373
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	90.747	3127.180	1) MSEDCL	238.817	7641.291
2) Hydro (A2+B3+C2)	25.013	600.793	2) TPCL	35.565	1032.742
3) Gas (A3+B1)	44.081	1455.800	3) REL	17.064	520.015
4) Wind (B2)	12.581	544.196	TOTAL STATE	291.446	9194.048
5) CPP (B3)	22.393	647.195			
TOTAL STATE	194.815	6375.164			

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	2484	2638	1957
MSGENCO Hydro	1075	2307	336
MSGENCO Gas	590	582	585
MSGENCO Total Generation	4149	5527	2878
Central Sector Receipt	4281	3687	3580
RGPPL	993	1289	1296
WIND	551	465	652
CPP	934	941	890
Exchange with Mumbai	-799	-495	-398
MSEDCL DEMAND MET	10109	11433	8898
Load Shedding (LS)	52	47	47
MSEDCL DEMAND (INCL. LS)	10161	11480	8945
TPCL GENERATION	1588	1519	837
REL GENERATION	261	525	253
TPCL+REL DEMAND	2648	2539	1488
STATE DEMAND MET	12757	13972	10386
Load Management (LM)	893	1730	756
Total Load Relief (LS+LM)	945	1777	803
UNRESTRICTED STATE DEMAND	13702	15749	11189
Frequency (Hz)	49.72	49.64	49.82

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 17.05 Hrs	49.39 Hz at 11.10 Hrs	49.82	0 % 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 30/Aug/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.16	94.78	160	108	130
Unit 6	3.20	79.52	150	100	155
Unit 7	3.48	101.23	160	120	160
	9.85	275.52			445
Bhusawal					
Unit 2	0.00	58.80	0	0	0
Unit 3	3.54	76.10	165	100	140
Unit 4		0.00	0	0	
	3.54	134.90			140
Parli					
Unit 3	0.00	3.78	0	0	0
Unit 4	1.99	75.85	142	60	65
Unit 5	2.84	47.77	146	103	150
Unit 6	3.82	55.97	175	129	155
Unit 7	0.00	65.16	0	0	0
	8.64	248.52			370
Chandrapur					
Unit 1	3.41	87.94	155	130	150
Unit 2	3.04	80.40	142	119	125
Unit 3	2.62	89.09	172	0	50
Unit 4	0.00	53.08	0	0	0
Unit 5	4.73	230.92	365	0	50
Unit 6	0.00	152.00	0	0	0
Unit 7	2.88	7.48	250	0	0
	16.67	700.90			375
Paras					
Unit 3	0.00	53.20	0	0	0
Unit 4	3.17	85.72	160	93	130
	3.17	138.92			130
Khaparkheda					
Unit 1	1.60	102.09	165	0	0
Unit 2	3.60	111.11	171	114	140
Unit 3	3.68	114.58	168	127	140
Unit 4	3.61	108.25	162	137	140
Unit 5		12.97	0	0	0
	12.50	449.00			420
Nasik					
Unit 1		0.00	0	0	0
Unit 2		0.00	0	0	0
Unit 3	2.20	21.32	125	50	102
Unit 4	1.55	77.21	102	34	32
Unit 5	0.00	78.01	0	0	0
	3.75	176.54			134
Uran					
All Units	14.02	376.03	598	564	600
	14.02	376.03			600
Dabhol					
RGPPL	30.07	1079.77	1308	990	1270
	30.07	1079.77			1270
Koyna					
Stage 1-2	3.26	88.75	500	35	600
Stage 4	4.11	136.42	1089	0	250
Stage 3	3.51	70.27	316	0	320
	10.88	295.44			1170
Koyna 12&4 Total	7.37	225.17			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.86	25.76	36	36	36
VTRNA	1.01	5.81	61	0	60
TILLARI	1.26	22.42	60	0	60
BHTGR/VEER	0.60	5.73	25	24	7
BHIRA T.R.	0.50	14.11	82	0	80
RNGR+BHTSA	0.44	2.76	19	18	17
BHANDARDRA	0.75	15.64	32	30	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.45	38.29	69	57	3
GHATGHAR	0.64	12.42	125	0	0
	7.51	142.95			293
PENCH (MS)					
Pench (MS)	0.13	7.40	47	0	
	0.13	7.40			
Wind					
MalharPeth	0.85	33.93			
Vankuswadi	1.71	52.69			
ATIT	0.23	13.24			
Kale	0.62	16.71			
Satara	0.61	61.92			
Shirala	0.72	19.45			
K Mahankal	3.09	29.24			
Supa	0.17	7.23			
Vita	3.55	79.88			
Dondaicha	0.19	136.39			
Sakri	0.03	23.21			
Nandurbar	0.02	14.13			
Khandke	0.68	32.41			
Khaparale	0.12	23.77			
	12.58	544.20			
CPP					
JSW JAIGAD	13.99	382.02	590	571	520
WARDHA	6.28	181.83	294	229	260
Other CPPs	2.12	83.34			
	22.39	647.20			780
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.92	334.41	490	330	490
Trombay 6	6.99	190.90	470	155	500
Trombay 7A	2.87	66.00	126	98	120
Trombay 7B	1.60	35.56	69	60	60
Trombay 8	1.92	42.97	84	75	75
TATA Hydro	6.50	155.01	390	75	447
	30.81	824.83			1692
REL					
1&2	8.33	333.06	526	253	250
	8.33	333.06			250
Cent Sect					
Share					3587
					3587

MS PG CL	Thermal	58.12	2124.30			2014
	Thml+Gas	72.13	2500.32			2614
	Hydro	18.38	438.39			1463
	Total	90.51	2938.71			4077
State Total		194.82	6375.16			11656

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	1892	536	587	3015	1298	679	923	3538	3707	-400	-443	9179	1159	9226	1718	12056	49.91
2	1907	331	595	2833	1296	686	883	3539	3745	-390	-427	9016	1092	9063	1587	11695	49.86
3	1912	324	597	2833	1303	711	947	3544	3566	-390	-413	8947	855	8994	1512	11314	49.91
4	1957	336	585	2878	1296	652	890	3543	3580	-390	-398	8898	803	8945	1488	11189	49.82
5	1908	376	598	2882	1297	690	955	3588	3787	-390	-404	9207	802	9254	1496	11505	49.77
6	1943	762	597	3302	1296	635	922	3479	3983	-390	-421	9717	886	9764	1580	12183	49.79
7	2087	481	590	3158	1293	577	931	3495	4395	-449	-432	9922	887	9972	1686	12495	49.94
8	2272	475	588	3335	1297	577	932	3569	4452	-523	-395	10198	887	10248	1839	12924	49.97
9	2415	609	577	3601	1236	543	933	3692	4312	-661	-608	10017	887	10067	2145	13049	49.84
10	2431	764	589	3784	997	536	936	3765	4653	-722	-723	10183	912	10236	2451	13546	49.80
11	2484	1075	590	4149	993	551	934	3846	4281	-830	-799	10109	945	10161	2648	13702	49.72
12	2453	1149	581	4183	990	528	942	3910	4147	-894	-841	9949	923	9999	2721	13593	49.71
13	2515	644	564	3723	1195	455	940	3901	4303	-894	-863	9753	924	9803	2710	13387	49.77
14	2657	415	570	3642	1287	503	934	3849	4221	-845	-842	9745	926	9797	2618	13289	49.79
15	2679	499	566	3744	1294	424	938	3823	4229	-820	-809	9820	928	9871	2627	13375	49.80
16	2705	469	579	3753	1303	526	946	3823	4242	-820	-757	10013	959	10064	2635	13607	49.87
17	2786	410	587	3783	1303	507	938	3749	4266	-746	-661	10136	1006	10187	2628	13770	49.83
18	2784	464	575	3823	1308	514	948	3659	4192	-658	-574	10211	1151	10262	2598	13960	50.06
19	2663	831	580	4074	1297	477	937	3554	4350	-546	-474	10661	1603	10710	2522	14786	49.84
20	2638	2307	582	5527	1289	465	941	3588	3687	-581	-495	11433	1777	11480	2539	15749	49.64
21	2715	2074	585	5374	1302	377	940	3614	3448	-605	-452	11032	1784	11079	2441	15257	49.75
22	2830	1402	589	4821	1301	341	936	3614	3812	-605	-423	10835	1784	10882	2300	14919	49.83
23	2763	980	584	4327	1298	278	935	3516	3677	-492	-405	10128	1784	10175	2151	14063	49.71
24	2719	669	580	3968	1297	349	932	3411	3596	-400	-436	9706	1544	9753	1991	13241	49.75
MUs	58.12	18.38	14.01	90.51	30.07	12.58	22.39	87.61	96.63	-14.44	-13.50	238.82	27.21	239.99	52.63	318.65	49.82

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 30/Aug/2011

Position as on 6.30 Hrs of 31/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.	09/09/2011
Chandrapur Unit 4	210	16/08/2011	00.04		Continued.	Annual Overhaul.	10/09/2011
Paras Unit 3	250	19/08/2011	16.33		Continued.	Annual Overhaul.	20/09/2011
Bhusawal Unit 2	210	22/08/2011	15.27		Continued.	AOH.	22/09/2011
Dabhol 2B	230	22/08/2011	23.54		Continued.	Combustion Inspection.	07/09/2011
Parli Unit 4	210	31/08/2011	01.07		Continued.	Annual Overhaul.	27/09/2011
FORCED OUTAGE							
Parli Unit 3	210	02/08/2011	12.43		Continued.	Hydrogen leakage.	04/09/2011
CPP WPCL U-1	135	19/08/2011	00.48		Continued.	Maintenance work.	04/09/2011
Parli Unit 7	250	24/08/2011	01.45	31/08/2011	00.58	Furnace pressure high.	
REL 1	250	26/08/2011	17.51	30/08/2011	15.07	Boiler Tube Leakage	
Khaparkheda Unit 5	500	27/08/2011	22.51		Continued.	High Drum Level	
Nasik Unit 5	210	28/08/2011	22.45		Continued.	Furnace Pressure High.	03/09/2011
Khaparkheda Unit 1	210	29/08/2011	01.01	30/08/2011	12.55	Drum Level High.	
Chandrapur Unit 5	500	29/08/2011	17.35	30/08/2011	05.12	Station A C Supply Fail.	
Chandrapur Unit 6	500	29/08/2011	17.35		Continued.	Station A C Supply Fail.	
Chandrapur Unit 7	500	29/08/2011	17.56	30/08/2011	07.48	Station A C Supply Fail.	
Chandrapur Unit 3	210	29/08/2011	22.53	30/08/2011	05.07	Furnace Draught High.	
Cent_Sect sipat-5	500	30/08/2011	04.14		Continued.	Boiler Tube Leakage.	02/09/2011
Dabhol 1X	290	30/08/2011	09.05	30/08/2011	12.04	JCU Hot Spot.	
Koyna ST - IV 3	250	30/08/2011	22.00		Continued.	Attending leakage.	02/09/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Aug/2011

Position as on 6.30 Hrs of 31/Aug/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Bhoisor (PGCIL)	30/08/2011	12.52	30/08/2011	16.28	Replacement of LMV of CVT's at Padgha.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Halkarni-Amona I	29/08/2011	11.44		Continued.	Retrofitting of Distance Protection Scheme.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Solapur (PGCIL)	25/08/2011	21.39		Continued.	Over Voltage
Dhule-Khandwa-II	25/08/2011	23.34	30/08/2011	10.15	Over Voltage.
Akola - Aurangabad - II	26/08/2011	21.28		Continued.	Over Voltage
Akola - Wardha - II	27/08/2011	03.20		Continued.	Over Voltage
Kolhapur - Mapusa - II	27/08/2011	22.09		Continued.	Over Voltage
Dhule-Khandwa-II	31/08/2011	00.37		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Wardha - I	28/08/2011	04.20		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kalwa-Kharghar	30/08/2011	08.36	30/08/2011	13.39	To attend hot spot.
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 30.08.2011.
220/132 KV 100 MVA ICT-I @ Chikhli.	30/07/2011	11.45		Continued.	Replacement by 200 MVA ICT.Up to 30.08.2011.
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT Upto 30.8.11.
Khaparkheda - Kanhan - II	25/08/2011	09.49		Continued.	Tower Height Raising work
Kanhan - Bhandara - II	25/08/2011	09.54		Continued.	Tower Height Raising work
Khapakheda - Koulawada - II	29/08/2011	11.20	30/08/2011	19.50	Retrofitting of Distance Scheme.
Jejuri-Phursungi	30/08/2011	09.00	30/08/2011	11.30	Line maint.work.
220/132KV,200MVA T/F-I at Lonand	30/08/2011	09.05	30/08/2011	13.10	Q.M.Work
Chandrapur-Wani	30/08/2011	09.08	30/08/2011	14.07	Measurement of Tan Delta of CT.
Warora-Wardha	30/08/2011	11.05	30/08/2011	13.40	Attending hot spot.
Malegaon-Satana	30/08/2011	11.59	30/08/2011	15.45	To attend hot spot.
220/132KV 200 MVA ICT I at Chalisgaon	30/08/2011	16.44	30/08/2011	19.09	Isolator replacement work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Main Bus-I at Bhusawal-I	27/08/2011	13.08		Continued.	Bus and Line Isolator repl.work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,100 MVA Spare Unit at Korady	04/08/2011	16.28		Continued.	To attend buchholz alarm problem.
Bhusawal- Aurangabad	28/08/2011	16.03	30/08/2011	09.25	Over Voltage.
Karad-Kolhapur-II	29/08/2011	16.20		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	29/08/2011	21.52	30/08/2011	08.33	Over Voltage.
Akola - Bhusawal	29/08/2011	22.14	30/08/2011	07.17	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Aug/2011

Position as on 6.30 Hrs of 31/Aug/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chandrapur - Parli - III	29/08/2011	23.15	30/08/2011	06.42	Over Voltage.
Bhusawal- Aurangabad	30/08/2011	20.21		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	30/08/2011	23.00		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha-Temghar I	20/08/2011	15.18		Continued.	To Control Padgha ICT Load
Padgha - Temghar - II	25/08/2011	11.50		Continued.	To control Padgha ICT Load
Chandrapur - Warora	26/08/2011	02.29	30/08/2011	08.52	Over Voltage
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Kawlewada-Gondia-II	30/08/2011	19.55	30/08/2011	21.52	R-Ph to E,Z-1.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 105 MVA Spare ICT at Parly II	22/08/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
400/11.5 KV 90 MVA Station T/F-IV @ Chandrapur	29/08/2011	17.37		Continued.	B Ph. L A Burst.
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).
Vita-Maisal	29/08/2011	22.30	30/08/2011	10.58	Distance Protection Y Ph. Z-I.
Virur - Gadhchiroli	30/08/2011	11.27	30/08/2011	11.42	D/P,Z-2,R-E fault.
Voltage Level : 132KV			Outage Type TRIPPED		
Kawlewada-Madgi-I	30/08/2011	19.55		Continued.	B-Ph C.C.Burst.
Kawlewada-Madgi II	30/08/2011	19.55	30/08/2011	20.42	D/P,Z-1,R-Ph

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 31/Aug/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	95
Unit 6	210	140
Unit 7	210	125
	620	360
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	0	0
	420	150
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	100
Unit 6	250	150
Unit 7	250	45
	1130	295
Chandrapur		
Unit 1	210	140
Unit 2	210	120
Unit 3	210	160
Unit 4	210	0
Unit 5	500	375
Unit 6	500	0
Unit 7	500	250
	2340	1045
Paras		
Unit 3	250	0
Unit 4	250	110
	500	110
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	0
	1340	660
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	42
Unit 4	210	72
Unit 5	210	0
	870	114
Uran		
All Units	852	600
	852	600
Dabhol		
RGPP	1940	1270
	1940	1270
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	60
TILLARI	60	60
BHTGR/VEER	21	7
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	42
GHATGHAR	250	0
	611	332
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	520
WARDHA	405	260
Other CPPs	0	
	1005	780
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	75
TATA Hydro	444	447
	2024	1692
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3568
	3455	3568