



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Aug/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Aug/2010 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	70.912	146.711	1) Madhya Pradesh	58.764	120.807
2) Hydro	6.856	12.740	2) Gujrat	31.053	51.975
3) Gas	15.008	30.800	3) Goa	-5.775	-10.830
Total MSGENCO	92.776	190.251	4) TAPS 1&2 (Inj.)	7.879	15.824
B) OTHERS			5) Pench (Excess)	-0.046	-0.087
1) RGPPL Gas	16.026	32.077	# Total Cent. Sector	91.875	177.689
2) Wind Generation	22.636	46.319	F) Other Exchanges		
3) CPP	3.955	7.680	1) With TPCL (Excess)	-10.813	-18.371
4) PENCH (MS)	0.046	0.087	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	8.735	12.899
1) TPCL Thermal	22.888	41.947	Include PX	11.173	17.783
2) TPCL Hydro	4.386	6.312	2) MUMBAI Bilateral	11.582	20.323
TOTAL TPCL	27.274	48.259	Include PX	4.061	6.238
3) REL Thermal	12.686	25.378	3) MUMBAI Schedule	11.582	20.323
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	106.486	214.036	1) MSEDCL	216.501	435.732
2) Hydro (A2+B3+C2)	11.288	19.139	2) TPCL	33.432	59.964
3) Gas (A3+B1)	31.034	62.877	3) REL	17.358	32.058
4) Wind (B2)	22.636	46.319	TOTAL STATE	267.291	527.754
5) CPP (B3)	3.955	7.680			
TOTAL STATE	175.399	350.051			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	2902	3046	2948
MSGENCO Hydro	216	594	156
MSGENCO Gas	650	640	652
MSGENCO Total Generation	3768	4280	3756
Central Sector Receipt	3927	4077	3399
RGPPL	665	666	672
WIND	1162	960	785
CPP	178	173	165
Exchange with TPCL	-772	-554	-146
MSEDCL DEMAND MET	8928	9602	8631
Load Shedding	1508	2380	0
MSEDCL DEMAND (INCL. LS)	10436	11982	8631
TPCL GENERATION	1393	1344	817
REL GENERATION	528	528	531
TPCL+REL DEMAND	2693	2426	1494
STATE DEMAND MET	11621	12028	10125
STATE DEMAND (INCL. LS)	13129	14408	10125
Frequency (Hz)	49.86	49.66	50.08
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			773 MW AT 19.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			44.87 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.33 Hz at 06.05 Hrs	49.3 Hz at 19.25 Hrs	49.91	0 % of Time

* 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/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.31	2.96	65	31	65
Unit 2	0.00	0.00	0	0	0
Unit 3	1.32	2.84	73	41	70
Unit 4	1.23	2.79	62	26	60
Unit 5	0.57	0.57	134	0	0
Unit 6	2.58	5.57	135	80	110
Unit 7	3.05	6.72	150	100	140
	10.05	21.44			445
Bhusawal					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.47	5.21	155	45	100
Unit 3	0.00	0.00	0	0	0
	2.47	5.21			100
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	2.62	5.17	136	60	130
Unit 4	0.00	0.00	0	0	0
Unit 5	2.25	4.54	103	82	90
Unit 6	0.07	0.07	37	0	0
Unit 7	1.41	4.20	185	0	0
	6.34	13.98			220
Chandrapur					
Unit 1	3.12	5.91	145	102	100
Unit 2	3.08	5.87	156	109	120
Unit 3	0.00	0.00	0	0	0
Unit 4	3.84	7.81	185	116	180
Unit 5	3.82	8.72	205	100	200
Unit 6	4.02	8.67	200	130	200
Unit 7	5.64	10.89	265	215	225
	23.53	47.88			1025
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	2.42	5.32	132	62	100
Unit 4	2.42	4.66	126	82	0
	4.84	9.98			100
Khaparkheda					
Unit 1	4.51	8.92	210	130	170
Unit 2	3.54	7.20	172	112	170
Unit 3	4.54	8.72	196	174	170
Unit 4	4.02	8.01	175	162	170
	16.62	32.85			680
Nasik					
Unit 1	1.60	3.34	79	46	66
Unit 2	0.79	2.14	50	24	21
Unit 3	2.21	4.92	145	50	122
Unit 4	0.00	0.15	0	0	0
Unit 5	2.46	4.83	145	62	122
	7.06	15.37			331
Koyna					
Stage 1-2	1.72	2.76	240	40	600
Stage 4	0.00	0.00	0	0	0
Stage 3	0.89	2.02	166	0	320
	2.61	4.78			920
Kovna 12&4 Total	1.72	2.76			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.01	30.80	665	485	650
		15.01	30.80			650
Hydro						
KDPH		0.00	0.00	0	0	0
VTRNA		0.27	0.84	61	0	0
TILLARI		0.69	1.15	61	0	61
BHTGR/VEER		0.19	0.38	8	8	8
BHIRA T.R.		0.46	0.93	41	0	41
RNGR+BHTSA		0.00	0.02	0	0	0
BHANDARDRA		0.82	1.67	34	34	46
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.87	1.24	44	34	18
GHATGHAR		0.96	1.74	250	0	0
		4.25	7.96			174
PENCH (MS)						
Pench (MS)		0.05	0.09	23	0	
		0.05	0.09			
Wind						
MalharPeth		1.25	2.17			
Vankuswadi		2.13	4.34			
ATIT		1.23	1.55			
Kale		1.06	2.13			
Satara		1.92	5.63			
Shirala		1.22	2.23			
K Mahankal		0.54	0.71			
Supa		0.37	0.86			
Vita		4.26	8.99			
Dondaicha		3.97	8.38			
Sakri		0.93	1.88			
Nandurbar		0.50	0.91			
Khandke		1.98	4.09			
Khaparale		1.26	2.44			
		22.64	46.32			
CPP						
TOTAL CPP		3.96	7.68			
		3.96	7.68			
Dabhol						
RGPPL		16.03	32.08	672	664	640
		16.03	32.08			640
Tata						
Trombay 4		2.28	4.07	107	36	120
Trombay 5		8.94	16.33	480	255	500
Trombay 6		6.48	11.60	425	150	500
Trombay 7A		0.36	0.36	120	0	0
Trombay 7B		0.00	0.00	0	0	0
Trombay 8		4.83	9.59	210	180	250
TATA Hydro		4.39	6.31	358	0	447
		27.27	48.26			1817
REL						
1&2		12.69	25.38	531	527	500
		12.69	25.38			500
Cent Sect						
Share						4044
						4044
MS PG CL	Thermal	70.91	146.71			2901
	Thml+Gas	85.92	177.51			3551
	Hydro	6.86	12.74			1094
	Total	92.78	190.25			4645
State Total		175.40	350.05			11646

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/Aug/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	2964	282	655	3901	671	861	157	2960	3247	-231	-207	8630	13	8643	1597	10240	50.02
2	2948	156	652	3756	672	785	165	2860	3399	-163	-146	8631	0	8631	1494	10125	50.08
3	2914	116	662	3692	672	849	157	2812	3439	-118	-99	8710	0	8710	1473	10183	50.09
4	2930	121	665	3716	672	879	157	2765	3438	-73	-53	8809	0	8809	1426	10235	50.19
5	3004	116	656	3776	672	905	158	2765	3445	-73	-54	8902	0	8902	1408	10310	50.05
6	3053	116	660	3829	670	938	157	2765	3904	-73	-55	9443	577	10020	1458	11478	49.93
7	2939	121	662	3722	672	889	160	3299	3560	-231	-209	8794	1095	9889	1655	11544	50.04
8	2982	139	663	3784	669	921	162	3418	3788	-350	-335	8989	1092	10081	1815	11896	49.99
9	2971	230	650	3851	667	833	157	3594	3867	-475	-455	8920	1217	10137	2089	12226	49.88
10	2959	237	637	3833	666	876	168	3719	4047	-524	-521	9069	1377	10446	2388	12834	49.74
11	2914	232	646	3792	664	955	161	3951	3977	-762	-744	8805	1336	10141	2625	12766	49.86
12	2902	216	650	3768	665	1162	178	3977	3927	-790	-772	8928	1508	10436	2693	13129	49.86
13	2854	216	636	3706	664	1106	157	3943	3575	-767	-721	8487	1410	9897	2629	12526	49.87
14	2939	202	644	3785	665	1004	167	3890	3788	-714	-674	8735	1295	10030	2546	12576	49.91
15	2812	158	643	3613	665	988	182	3890	4157	-714	-680	8925	1346	10271	2530	12801	49.84
16	2825	158	487	3470	667	1101	166	3891	3678	-714	-670	8412	1590	10002	2529	12531	49.96
17	2848	166	485	3499	665	1137	177	3891	4249	-714	-669	9058	1589	10647	2520	13167	50.00
18	2914	186	509	3609	665	929	164	3891	4346	-714	-679	9034	1554	10588	2472	13060	49.92
19	3022	297	510	3829	665	964	166	4022	4040	-734	-694	8970	2131	11101	2484	13585	49.84
20	3046	594	640	4280	666	960	173	4010	4077	-582	-554	9602	2380	11982	2426	14408	49.66
21	2934	889	646	4469	665	881	165	4044	4263	-605	-552	9891	1961	11852	2336	14188	49.72
22	3014	828	643	4485	668	830	166	3940	4198	-560	-487	9883	1735	11618	2185	13803	49.73
23	3107	725	656	4488	669	944	165	3788	4093	-499	-439	9943	1364	11307	2077	13384	49.81
24	3117	355	651	4123	670	939	170	3603	3373	-404	-344	8931	1321	10252	1918	12170	49.93
MUs	70.91	6.86	15.01	92.78	16.03	22.64	3.96	85.69	91.88	-11.58	-10.81	216.50	27.89	244.39	50.77	295.16	49.91

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 02/Aug/2010

Position as on 6.30 Hrs of 03/Aug/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect KARPR1	220	01/07/2008	00:10		Continued.	COH(En-Mass Coolant Clanel Replacement)	30/12/2010
Chandrapur Unit 3	210	26/05/2010	23.59		Continued.	Water Balancing Problem.	08/08/2010
Cent_Sect Kawas ST2C	116	01/07/2010	00.08		Continued.	Annual Overhaul.	04/08/2010
Parli Unit 4	210	05/07/2010	09.27		Continued.	Capital Overhaul	07/08/2010
Koyna ST-IV 1	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koyna ST-IV 2	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koyna ST - IV 4	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koyna ST - IV 3	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Tata Trombay 7B	60	25/07/2010	15.45		Continued.	Inspection and Maint.Work.	03/08/2010
Tata Trombay 7A	120	25/07/2010	17.39	02/08/2010	19.37	Main T/F replacement	
Bhusawal Unit 3	210	31/07/2010	05.26		Continued.	AOH.	31/08/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Paras Unit 2	55	13/06/2010	17.35		Continued.	For Scrapping.	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Parli Unit 2	30	18/06/2010	06:26		Continued.	For Scrapping.	
Parli Unit 1	30	18/06/2010	12:11		Continued.	For Scrapping.	
Dabhol 1B	230	18/06/2010	13.09		Continued.	Unit Differential.	04/08/2010
Dabhol 1A	230	18/06/2010	13.09		Continued.	Unit Differential.	04/08/2010
Dabhol 1X	290	18/06/2010	13.09		Continued.	Unit Differential.	04/08/2010
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	15/08/2010
Dabhol 2B	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	15/08/2010
Dabhol 2X	290	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	15/08/2010
Koradi Unit 2	105	28/07/2010	11.31		Continued.	Bunkering Problem.	03/08/2010
Koradi Unit 5	200	30/07/2010	08.41	02/08/2010	17.49	BLR T/L.	
Parli Unit 6	250	31/07/2010	15.29	02/08/2010	22.16	Economiser Tube Leakage.	
Bhusawal Unit 1	58	31/07/2010	19.25		Continued.	Wet coal problem.	
Nasik Unit 4	210	01/08/2010	01.15		Continued.	BTL.	
Parli Unit 7	250	02/08/2010	06.06	02/08/2010	09.34	Tripped on flame failure.	
Uran Unit 5	108	02/08/2010	14.59	02/08/2010	17.55	Hydac Problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 02/Aug/2010

Position as on 6.30 Hrs of 03/Aug/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Parli Unit 7	250	02/08/2010	19.32	03/08/2010	01.35	Furnace Main Steam Temp.Pressure Low.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Aug/2010

Position as on 6.30 Hrs of 03/Aug/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalmeshwar - Pandurna	02/08/2010	10.19	02/08/2010	14.36	Q.M.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - II	11/07/2010	13.07		Continued.	Over Voltage
Akola - Aurangabad - I	21/07/2010	13.10		Continued.	Changeover.
Dhule-Sar'Sarovar - II	23/07/2010	15.17	02/08/2010	17.49	Over Voltage
Kolhapur - Mapusa - I	28/07/2010	21.55		Continued.	H/T For O/V.
Dhule-S'Sarovar I	01/08/2010	22.50		Continued.	H/T for O/V
Dhule - S'Sarovar- II	02/08/2010	23.32		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Satpur	02/08/2010	12.01	02/08/2010	12.33	Trip from Satpur end on PDR.
Koradi-Satpur	02/08/2010	15.07	02/08/2010	20.23	Trip from Satpur end on PDR.
Koradi-Satpur	02/08/2010	20.50	02/08/2010	20.55	Trip on Satpur end on PDR.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari-I	03/08/2010	03.53		Continued.	Zone-1,R Ph,Problem in Breaker.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrapur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
Lonikand- Koyna Stage IV	16/07/2010	10.52		Continued.	E/W replacement work (Ready)
Main Bus - I @ Karad	01/08/2010	12.35		Continued.	Bus side isolator maintenance work.
400/220 KV 315MVA ICT- II @ Karad	01/08/2010	13.20	02/08/2010	20.02	Bus side isolator maintenance work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
220/132KV 100 MVA ICT- I @ Parly-II	29/07/2010	10.11		Continued.	LV BKR replacement work.
Aurangabad-Chitegaon-I	01/08/2010	12.00		Continued.	Ckt on TBC,main CB O/H work.
220/100KV 125MVA ICT- IV @ Kalwa	02/08/2010	10.10		Continued.	Replacement of 125 MVA ICT by 200 New ICT.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
80 MVAR Line Reactor of Lonikand - Karad @ Karad	04/03/2010	11.58		Continued.	Red Hot Spot Observed on Earthing.
New Koyna - Karad - I	23/07/2010	23.47		Continued.	Over Voltage
Karad-Lamboti	31/07/2010	18.27		Continued.	H/T for O/V.
Bhusawal- Aurangabad	31/07/2010	22.27		Continued.	H/t O/V.
New Koyna - Koyna Stage IV - II	01/08/2010	16.38		Continued.	H/T for O/V
Karad - Kolhapur - II	01/08/2010	22.40	02/08/2010	08.43	Over Voltage.
Karad - Kolhapur - II	02/08/2010	23.08		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Khaparkheda	24/07/2010	19.54		Continued.	Over Voltage.
Karad - Kolhapur - I	27/07/2010	18.42		Continued.	Over Voltage.
Jejuri-Koyna STG-IV	01/08/2010	23.23	02/08/2010	09.44	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Aug/2010

Position as on 6.30 Hrs of 03/Aug/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Jejuri-Koyna STG-IV	02/08/2010	23.25		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	01/06/2010	03.57		Continued.	Oil Tank Burst.
Jindal - Ghatghar	02/08/2010	00.05	02/08/2010	07.46	Tripped on distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Aug/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	54
Unit 2	105	0
Unit 3	105	54
Unit 4	105	41
Unit 5	200	72
Unit 6	210	90
Unit 7	210	108
	1040	419
Bhusawal		
Unit 1	58	0
Unit 2	210	130
Unit 3	210	0
	478	130
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	130
Unit 4	210	0
Unit 5	210	110
Unit 6	250	150
Unit 7	250	
	1190	390
Chandrapur		
Unit 1	210	150
Unit 2	210	145
Unit 3	210	0
Unit 4	210	160
Unit 5	500	200
Unit 6	500	225
Unit 7	500	225
	2340	1105
Paras		
Unit 2	55	0
Unit 3	250	130
Unit 4	250	0
	555	130
Khaparkheda		
Unit 1	210	190
Unit 2	210	175
Unit 3	210	190
Unit 4	210	170
	840	725
Nasik		
Unit 1	120	85
Unit 2	120	80
Unit 3	210	160
Unit 4	210	0
Unit 5	210	150
	870	475
Koyna		
Stage 1-2	600	600
Stage 4	1000	0
Stage 3	320	320
	1920	920
Uran		
All Units	852	640

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	640
Hydro		
KDPH	40	0
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	41
RNGR+BHTSA	20	5
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	211
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		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	640
	960	640
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	0
Trombay 8	250	200
TATA Hydro	444	447
	2024	1767
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3755
	3143	3755

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