



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Aug/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Aug/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	75.799	75.799	1) Madhya Pradesh	62.043	62.043
2) Hydro	5.884	5.884	2) Gujrat	20.922	20.922
3) Gas	15.792	15.792	3) Goa	-5.055	-5.055
Total MSGENCO	97.475	97.475	4) TAPS 1&2 (Inj.)	7.945	7.945
B) OTHERS			5) Pench (Excess)	-0.041	-0.041
1) RGPPL Gas	16.051	16.051	# Total Cent. Sector	85.814	85.814
2) Wind Generation	23.683	23.683	F) Other Exchanges		
3) CPP	3.725	3.725	1) With TPCL (Excess)	-7.558	-7.558
4) PENCH (MS)	0.041	0.041	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	4.164	4.164
1) TPCL Thermal	19.059	19.059	Include PX	6.610	6.610
2) TPCL Hydro	1.926	1.926	2) MUMBAI Bilateral	8.741	8.741
TOTAL TPCL	20.985	20.985	Include PX	2.177	2.177
3) REL Thermal	12.692	12.692	3) MUMBAI Schedule	8.741	8.741
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	107.550	107.550	1) MSEDCL	219.231	219.231
2) Hydro (A2+B3+C2)	7.851	7.851	2) TPCL	26.532	26.532
3) Gas (A3+B1)	31.843	31.843	3) REL	14.700	14.700
4) Wind (B2)	23.683	23.683	TOTAL STATE	260.463	260.463
5) CPP (B3)	3.725	3.725			
TOTAL STATE	174.652	174.652			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3276	3153	3267
MSGENCO Hydro	284	705	66
MSGENCO Gas	651	658	663
MSGENCO Total Generation	4211	4516	3996
Central Sector Receipt	3810	3646	3552
RGPPL	668	668	672
WIND	1046	1138	764
CPP	170	129	171
Exchange with TPCL	-377	-526	-51
MSEDCL DEMAND MET	9528	9571	9104
Load Shedding	0	1509	0
MSEDCL DEMAND (INCL. LS)	9528	11080	9104
TPCL GENERATION	896	954	811
REL GENERATION	528	526	531
TPCL+REL DEMAND	1801	2006	1393
STATE DEMAND MET	11329	11577	10497
STATE DEMAND (INCL. LS)	11329	13086	10497
Frequency (Hz)	49.98	49.91	50.24
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			1277 MW at 06.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			15.06 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.49 Hz at 16.05 Hrs	49.61 Hz at 21.23 Hrs	50.06	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 01/Aug/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.65	1.65	76	51	70
Unit 2	0.00	0.00	0	0	0
Unit 3	1.53	1.53	73	52	60
Unit 4	1.56	1.56	75	31	45
Unit 5	0.00	0.00	0	0	0
Unit 6	2.99	2.99	143	80	130
Unit 7	3.66	3.66	165	135	150
	11.39	11.39			455
Bhusawal					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.74	2.74	155	75	150
Unit 3	0.00	0.00	0	0	0
	2.74	2.74			150
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	2.55	2.55	146	77	110
Unit 4	0.00	0.00	0	0	0
Unit 5	2.30	2.30	106	83	105
Unit 6	0.00	0.00	0	0	0
Unit 7	2.79	2.79	186	61	
	7.64	7.64			215
Chandrapur					
Unit 1	2.78	2.78	130	100	120
Unit 2	2.79	2.79	127	106	120
Unit 3	0.00	0.00	0	0	0
Unit 4	3.97	3.97	184	140	160
Unit 5	4.90	4.90	300	130	200
Unit 6	4.65	4.65	225	150	250
Unit 7	5.26	5.26	232	175	250
	24.35	24.35			1100
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	2.90	2.90	160	101	130
Unit 4	2.24	2.24	123	54	
	5.14	5.14			130
Khaparkheda					
Unit 1	4.41	4.41	195	160	152
Unit 2	3.65	3.65	168	135	152
Unit 3	4.18	4.18	190	167	154
Unit 4	3.99	3.99	176	157	154
	16.23	16.23			612
Nasik					
Unit 1	1.74	1.74	100	53	76
Unit 2	1.34	1.34	81	32	71
Unit 3	2.71	2.71	165	50	150
Unit 4	0.15	0.15	135	0	0
Unit 5	2.37	2.37	150	33	140
	8.31	8.31			437
Koyna					
Stage 1-2	1.05	1.05	90	35	600
Stage 4	0.00	0.00	0	0	0
Stage 3	1.12	1.12	240	0	320
	2.17	2.17			920
Kovna 12&4 Total	1.05	1.05			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	15.79	15.79	684	645	630	
	15.79	15.79			630	
Hydro						
KDPH	0.00	0.00	0	0	0	
VTRNA	0.57	0.57	61	0	0	
TILLARI	0.46	0.46	61	0	60	
BHTGR/VEER	0.18	0.18	8	7	9	
BHIRA T.R.	0.47	0.47	41	0	80	
RNGR+BHTSA	0.02	0.02	10	0	0	
BHANDARDRA	0.85	0.85	46	0	14	
ELDARY	0.00	0.00	0	0	0	
SMLHY PTN	0.37	0.37	23	13	8	
GHATGHAR	0.78	0.78	240	0	0	
	3.71	3.71			171	
PENCH (MS)						
Pench (MS)	0.04	0.04	23	0		
	0.04	0.04				
Wind						
MalharPeth	0.92	0.92				
Vankuswadi	2.21	2.21				
ATIT	0.32	0.32				
Kale	1.07	1.07				
Satara	3.72	3.72				
Shirala	1.01	1.01				
K Mahankal	0.17	0.17				
Supa	0.48	0.48				
Vita	4.73	4.73				
Dondaicha	4.41	4.41				
Sakri	0.94	0.94				
Nandurbar	0.41	0.41				
Khadakale	2.10	2.10				
Khaparale	1.18	1.18				
	23.68	23.68				
CPP						
TOTAL CPP	3.72	3.72				
	3.72	3.72				
Dabhol						
RGPPL	16.05	16.05	672	665	640	
	16.05	16.05			640	
Tata						
Trombay 4	1.79	1.79	109	54	50	
Trombay 5	7.39	7.39	360	270	500	
Trombay 6	5.12	5.12	300	150	250	
Trombay 7A	0.00	0.00	0	0	0	
Trombay 7B	0.00	0.00	0	0	0	
Trombay 8	4.76	4.76	210	180	200	
TATA Hydro	1.93	1.93	134	72	447	
	20.98	20.98			1447	
REL						
1&2	12.69	12.69	531	526	500	
	12.69	12.69			500	
Cent Sect						
Share					3616	
					3616	
MS PG CL	Thermal	75.80	75.80		3099	
	Thml+Gas	91.59	91.59		3729	
	Hydro	5.88	5.88		1091	
	Total	97.48	97.48		4820	
State Total		174.65	174.65		11023	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	3296	96	651	4043	671	811	180	3114	3124	-328	-279	8550	672	9222	1695	10917	49.97
2	3249	96	651	3996	670	834	180	3001	3472	-212	-166	8986	566	9552	1525	11077	50.06
3	3273	66	664	4003	672	789	178	2994	3405	-166	-113	8934	188	9122	1468	10590	50.18
4	3267	66	663	3996	672	764	171	2942	3552	-97	-51	9104	0	9104	1393	10497	50.24
5	3212	66	661	3939	671	805	171	2942	3606	-97	-38	9154	0	9154	1383	10537	50.16
6	3215	61	657	3933	669	827	171	2942	3759	-97	-45	9314	460	9774	1423	11197	50.05
7	3243	72	666	3981	670	851	164	3287	3698	-256	-205	9159	460	9619	1531	11150	50.11
8	3225	191	668	4084	671	834	160	3332	3552	-304	-261	9040	463	9503	1582	11085	50.15
9	3239	248	667	4154	670	936	141	3364	3768	-335	-290	9379	116	9495	1644	11139	50.16
10	3276	284	651	4211	668	1046	170	3479	3810	-419	-377	9528	0	9528	1801	11329	49.98
11	3220	279	660	4159	666	1018	163	3478	3627	-419	-392	9241	0	9241	1836	11077	50.05
12	3111	278	651	4040	665	1043	192	3476	3899	-419	-384	9455	0	9455	1868	11323	50.02
13	2913	169	660	3742	667	1095	187	3452	3954	-419	-386	9259	0	9259	1881	11140	49.96
14	2928	152	655	3735	668	1199	158	3445	3426	-419	-375	8811	0	8811	1830	10641	50.15
15	2990	107	684	3781	665	1275	124	3445	3222	-419	-364	8703	0	8703	1794	10497	50.03
16	3061	112	645	3818	669	1170	108	3445	3096	-419	-373	8488	0	8488	1748	10236	50.18
17	3007	115	645	3767	668	1228	120	3446	3375	-419	-370	8788	0	8788	1729	10517	50.13
18	3148	227	656	4031	667	1117	126	3446	3512	-419	-367	9086	0	9086	1724	10810	50.09
19	3270	294	651	4215	668	1076	121	3327	3546	-410	-366	9260	164	9424	1786	11210	50.03
20	3274	533	655	4462	666	1002	134	3576	4040	-518	-469	9835	1249	11084	1949	13033	49.83
21	3153	705	658	4516	668	1138	129	3701	3646	-589	-526	9571	1509	11080	2006	13086	49.91
22	3178	686	658	4522	669	924	154	3609	3667	-568	-506	9435	1313	10748	1969	12717	49.94
23	3024	593	655	4272	670	961	147	3478	3722	-520	-453	9342	946	10288	1900	12188	49.96
24	3024	388	660	4072	671	944	176	3339	3331	-472	-402	8805	411	9216	1770	10986	50.03
MUs	75.80	5.88	15.79	97.47	16.05	23.69	3.72	80.06	85.81	-8.74	-7.56	219.23	8.52	227.74	41.24	268.98	50.06

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 01/Aug/2010

Position as on 6.30 Hrs of 02/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	02/08/2010
Tata Trombay 7A	120	25/07/2010	17.39		Continued.	Main T/F replacement	02/08/2010
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		Continued.	BLR T/L.	04/08/2010
Parli Unit 6	250	31/07/2010	15.29		Continued.	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		Continued.	Tripped on flame failure.	04/08/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Aug/2010

Position as on 6.30 Hrs of 02/Aug/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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		Continued.	Over Voltage
Kolhapur-Mapusa Ckt I	28/07/2010	21.55		Continued.	H/T For O/V.
Dhule-S'Sarovar I	01/08/2010	00.49	01/08/2010	18.24	H/T O/V.
Dhule-S'Sarovar I	01/08/2010	22.50		Continued.	H/T for O/V
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Wardha - I	31/07/2010	17.57	01/08/2010	09.54	Trip O/V.
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		Continued.	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.
220/132 KV 100 MVA ICT @ Chitegaon	31/07/2010	09.25	01/08/2010	12.00	HV main breaker overhauling work.HV side on TBC.
220/100 KV ICT-II @ Borivali.	01/08/2010	09.55	01/08/2010	12.40	Attending hot spot.
Aurangabad-Chitegaon-I	01/08/2010	12.00		Continued.	Ckt on TBC,main CB O/H work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Boiser - MIDC	01/08/2010	09.49	01/08/2010	12.16	Hot Spot attending.
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
New Koyna - StageIV - I	31/07/2010	10.25	01/08/2010	16.34	For relay setting.
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.
Karad-Kolhapur CKT II	31/07/2010	22.57	01/08/2010	09.27	H/T O/V.
Karad - Lonikand	01/08/2010	09.47	01/08/2010	18.58	Tripped due to sparking on TBC isolator at Karad end.
New Koyna - Koyna Stage IV - II	01/08/2010	16.38		Continued.	H/T for O/V
Karad-Kolhapur CKT II	01/08/2010	22.40		Continued.	H/T for O/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Baramati - Lonand	01/08/2010	14.50	01/08/2010	23.30	A person climbed on D/C Tower at loc.No.111.
Jejuri - Baramati	01/08/2010	16.50	01/08/2010	22.50	A person climbed on D/C Tower at Loc.No.111.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Aug/2010

Position as on 6.30 Hrs of 02/Aug/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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	31/07/2010	23.25	01/08/2010	09.09	Tripped O/V.
Jejuri-Koyna STG-IV	01/08/2010	23.23		Continued.	Trip O/V
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		Continued.	Tripped on distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Bhandara-Ambhora	01/08/2010	05.10	01/08/2010	05.25	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Aug/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	65
Unit 2	105	0
Unit 3	105	70
Unit 4	105	60
Unit 5	200	0
Unit 6	210	110
Unit 7	210	140
	1040	445
Bhusawal		
Unit 1	58	0
Unit 2	210	100
Unit 3	210	0
	478	100
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	130
Unit 4	210	0
Unit 5	210	90
Unit 6	250	0
Unit 7	250	0
	1190	220
Chandrapur		
Unit 1	210	100
Unit 2	210	120
Unit 3	210	0
Unit 4	210	180
Unit 5	500	200
Unit 6	500	200
Unit 7	500	225
	2340	1025
Paras		
Unit 2	55	0
Unit 3	250	100
Unit 4	250	0
	555	100
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
	840	680
Nasik		
Unit 1	120	66
Unit 2	120	21
Unit 3	210	122
Unit 4	210	0
Unit 5	210	122
	870	331
Koyna		
Stage 1-2	600	600
Stage 4	1000	0
Stage 3	320	320
	1920	920
Uran		
All Units	852	650

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	650
Hydro		
KDPH	40	
VTRNA	60	
TILLARI	60	
BHTGR/VEER	21	
BHIRA T.R.	80	
RNGR+BHTSA	20	
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	
GHATGHAR	250	
	611	
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	
Khadakale	0	
Khaparale	0	
	0	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	640
	960	640
Tata		
Trombay 4	150	120
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1817
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	4044
	3143	4044