



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Aug/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Aug/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	93.648	2301.182	1) Madhya Pradesh	41.120	996.775
2) Hydro	13.118	417.984	2) Gujrat	23.401	420.815
3) Gas	15.480	316.812	3) Goa	-5.472	-123.212
Total MSGENCO	122.246	3035.978	4) TAPS 1&2 (Inj.)	6.567	158.426
B) OTHERS			5) Pench (Excess)	-1.257	-12.274
1) RGPPL Gas	22.628	491.152	# Total Cent. Sector	64.359	1440.530
2) Wind Generation	5.539	286.178	F) Other Exchanges		
3) PENCH (MS)	1.257	13.248	1) With TPCL	-1.937	-71.108
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	31.275	661.060	1) MSEDCL Bilateral	4.235	83.233
2) TPCL Hydro	3.628	92.656	Include PX	0.000	8.571
TOTAL TPCL	34.903	753.716	2) MUMBAI Bilateral	3.805	88.913
3) REL Thermal	12.658	264.023	Include PX	-0.244	12.224
D) STATE			3) MUMBAI Schedule	3.805	92.349
1) Thermal (A1+C1+C3)	137.581	3226.265	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	18.003	523.888	1) MSEDCL	214.092	5195.978
3) Gas (A3+B1)	38.108	807.964	2) TPCL	32.620	718.245
4) Wind (B2)	5.539	286.178	3) REL	16.877	370.822
TOTAL STATE	199.231	4844.295	TOTAL STATE	263.589	6285.045

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3554	4035	4002
MSGENCO Hydro	750	1738	69
MSGENCO Gas	642	639	658
MSGENCO Total Generation	4946	6412	4729
Central Sector Receipt	2935	2651	2570
RGPPL	941	945	944
WIND	136	290	212
Exchange with TPCL	-370	-122	56
MSEDCL DEMAND MET	8641	10229	8563
Load Shedding	2299	2413	996
MSEDCL DEMAND (INCL. LS)	10940	12642	9559
TPCL GENERATION	1575	1684	1133
REL GENERATION	527	524	529
TPCL+REL DEMAND	2472	2330	1606
STATE DEMAND MET	11113	12559	10169
STATE DEMAND (INCL. LS)	13412	14972	11165
Frequency (Hz)	49.04	49.15	49.26
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3201 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			51.17 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.87 Hz at 06:04 Hrs	48.76 Hz at 23:14 Hrs	49.17	18.33 % 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 22/Aug/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.26	29.99	68	20	65
Unit 3	1.04	29.44	56	32	40
Unit 4	0.31	35.90	46	0	40
Unit 5	0.00	66.44	0	0	0
Unit 6	2.18	67.30	122	37	60
Unit 7	2.14	17.72	144	34	60
	6.94	246.79			265
Bhusawal					
Unit 1	0.95	24.42	52	28	35
Unit 2	3.70	64.89	165	144	150
Unit 3	4.26	95.38	190	154	185
	8.91	184.70			370
Parli					
Unit 1	0.54	11.50	24	21	20
Unit 2	0.55	12.04	25	20	20
Unit 3	3.84	93.13	185	134	180
Unit 4	0.00	0.00	0	0	0
Unit 5	3.89	91.55	175	143	175
Unit 6	4.40	87.24	219	122	140
	13.21	295.46			535
Chandrapur					
Unit 1	3.30	70.63	162	106	120
Unit 2	2.22	70.87	112	63	75
Unit 3	2.06	94.84	128	66	140
Unit 4	3.94	98.54	193	135	160
Unit 5	5.43	201.40	354	156	300
Unit 6	5.08	200.68	364	114	250
Unit 7	1.96	19.61	240	0	230
	23.99	756.56			1275
Paras					
Unit 2	1.04	14.01	46	39	45
Unit 3	4.76	80.84	230	171	200
	5.81	94.84			245
Khaparkheda					
Unit 1	4.72	93.84	205	182	200
Unit 2	4.55	98.72	199	173	190
Unit 3	5.06	108.34	214	197	210
Unit 4	5.03	101.36	215	195	210
	19.37	402.27			810
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.04	33.22	88	80	90
Unit 3	4.58	101.84	209	158	200
Unit 4	4.66	92.14	199	190	180
Unit 5	4.13	93.38	184	156	180
	15.42	320.56			650
Uran					
All Units	15.48	316.81	658	624	630
	15.48	316.81			630
Koyna					
Stage 1-2	3.36	75.50	370	45	600
Stage 4	5.56	230.18	1019	0	250
Koyna 12&4 Total	8.93	305.68			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.44	70.26	240	0	240
	11.37	375.94			1090
Hydro					
KDPH	0.00	0.43	0	0	0
VTRNA	0.00	0.43	0	0	0
TILLARI	0.46	13.48	58	0	60
BHTGR/VEER	0.29	6.50	12	12	13
BHIRA T.R.	0.40	7.63	80	0	80
RNGR+BHTSA	0.26	5.32	16	2	4
BHANDARDRA	0.00	2.47	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.34	5.78	125	0	0
	1.75	42.05			157
PENCH (MS)					
Pench (MS)	1.26	13.25	53	51	0
	1.26	13.25			0
Wind					
MalharPeth	0.19	12.50			
Vankuswadi	0.44	27.43			
ATIT	0.06	6.77			
Kale	0.03	8.40			
Satara	0.17	17.97			
Shirala	0.12	8.68			
K Mahankal	0.01	10.13			
Supa	0.04	4.43			
Vita	0.85	42.26			
Dondaicha	2.48	91.57			
Sakri	0.46	17.80			
Nandurbar	0.34	10.76			
Khadakale	0.14	17.17			
Khaparale	0.21	10.32			
	5.54	286.18			
Dabhol					
RGPP L II	22.63	491.15	946	936	890
RGPP L III	0.00	0.00	0	0	0
	22.63	491.15			890
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.12	265.64	505	505	500
Trombay 6	11.38	232.88	510	300	500
Trombay 7A	2.48	53.36	110	97	120
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.30	109.17	223	218	220
TATA Hydro	3.63	92.66	352	0	447
	34.90	753.72			1787
REL					
1&2	12.66	264.02	530	524	500
	12.66	264.02			500
Cent Sect					
Share					2727
					2727

MS PG CL	Thermal	93.65	2301.18		4150
	Thml+Gas	109.13	2617.99		4780
	Hydro	13.12	417.98		1247
	Total	122.25	3035.98		6027
State Total		199.23	4844.30		11931

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/Aug/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	MUMBAI		MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	MUMBAI DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS						SCH.	EXCH.						
1	4110	149	658	4917	944	189	2786	2707	-32	60	8869	1040	9909	1878	11787	49.20
2	4028	114	656	4798	944	184	2678	2527	-32	62	8567	1062	9629	1699	11328	49.21
3	4002	69	658	4729	944	212	2637	2570	-32	56	8563	996	9559	1606	11165	49.26
4	4003	84	657	4744	945	232	2404	2443	135	211	8627	1144	9771	1521	11292	49.24
5	4039	74	654	4767	943	240	2409	2398	130	212	8612	1180	9792	1542	11334	49.18
6	4041	520	652	5213	943	233	2352	2322	191	268	9031	1397	10428	1580	12008	49.07
7	4010	185	655	4850	944	286	2632	2440	-31	57	8629	2141	10770	1667	12437	49.19
8	4072	212	657	4941	942	236	2571	2560	-31	58	8789	2182	10971	1788	12759	49.22
9	3978	173	655	4806	941	301	2565	2331	-26	52	8483	2399	10882	1931	12813	49.26
10	3718	363	650	4731	941	292	2886	2880	-339	-250	8646	2366	11012	2199	13211	49.21
11	3553	503	655	4711	941	168	2922	2833	-387	-298	8407	2475	10882	2407	13289	49.14
12	3554	750	642	4946	941	136	2991	2935	-458	-370	8641	2299	10940	2472	13412	49.04
13	3593	737	646	4976	936	141	2974	2956	-459	-375	8687	2306	10993	2452	13445	49.21
14	3614	546	631	4791	938	152	2887	2831	-364	-283	8482	2316	10798	2312	13110	49.16
15	3743	414	624	4781	941	204	2863	2843	-340	-261	8561	2460	11021	2307	13328	49.16
16	3718	179	632	4529	942	252	2863	2897	-340	-263	8410	2565	10975	2343	13318	49.28
17	3716	108	632	4456	944	249	2862	2986	-340	-263	8425	2611	11036	2307	13343	49.35
18	3822	306	629	4757	943	367	2707	2730	-258	-184	8666	2439	11105	2245	13350	49.23
19	3876	1132	636	5644	945	318	2621	2630	-154	-77	9513	2198	11711	2236	13947	49.20
20	4035	1738	639	6412	945	290	2692	2651	-154	-122	10229	2413	12642	2330	14972	49.15
21	4142	1670	644	6456	946	241	2739	2668	-154	-88	10276	2115	12391	2286	14677	49.10
22	4155	1389	635	6179	946	219	2727	2671	-109	-46	10022	2098	12120	2219	14339	48.94
23	4116	1077	643	5836	945	203	2784	2731	-127	-64	9702	1737	11439	2152	13591	49.10
24	4010	626	640	5276	944	202	2901	2819	-94	-29	9263	1278	10541	2019	12560	49.00
MUs	93.65	13.12	15.48	122.25	22.63	5.55	65.45	64.36	-3.81	-1.94	214.10	47.22	261.32	49.50	310.82	49.17

NOTE : ALL VALUES IN MW

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

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 22/Aug/2009

Position as on 6.30 Hrs of 23/Aug/2009

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)	31/03/2010
Tata Trombay 7B	60	04/07/2009	21.12		Continued.	GT.Bucholz Operated.	08/09/2009
Nasik Unit 1	125	05/07/2009	6:15		Continued.	Generator Rotor Problem	30/09/2009
Koradi Unit 1	105	24/07/2009	01:20		Continued.	ANNUAL OVERHAUL	03/09/2009
Parli Unit 4	210	25/07/2009	00.58		Continued.	AOH.	31/08/2009
Koyna Unit 11	80	25/07/2009	15.30		Continued.	To attend Stator Earth Fault	31/08/2009
Cent_Sect NTPC(K-5)	500	31/07/2009	23.50		Continued.	Annual Overhaul	30/08/2009
Cent_Sect Kawas ST2C	116	09/08/2009	00:38	23/08/2009	18.56	AOH	
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	20/12/2009
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	15/02/2010
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	25/10/2009
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	01/07/2009	00:46		Continued.	W/dn	
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Koradi Unit 5	200	18/08/2009	05.16	23/08/2009	14.32	Boiler Tube Leakage.	
Cent_Sect sipat-5	500	22/08/2009	02.35	22/08/2009	19.48	Primary Heater problem	
Chandrapur Unit 7	500	22/08/2009	08.35		Continued.	Trip on Flame Failure.	26/08/2009
Koradi Unit 4	115	22/08/2009	12.18		Continued.	Trip on Reverse Power.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Aug/2009

Position as on 6.30 Hrs of 23/Aug/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Khandwa I	22/08/2009	07.46		Continued.	Stringing Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kolhapur-Phonda Ckt. I	22/08/2009	14.10	22/08/2009	17.45	To attend Tillary-Phonda-II ,B Ph Decaping.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	01/07/2009	09.12		Continued.	H/T FOR O/V
Akola - Wardha - I	09/07/2009	06:32		Continued.	H/T FOR O/V
DHULE-SAR'SAROVAR-I	20/08/2009	17.03	22/08/2009	07.29	H/T for over voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
TILLARY-PHONDA	21/08/2009	16:35		Continued.	Trip on dist. prot. B ph E.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-II	19/06/2009	16:13		Continued.	3 Tower Collapsed.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Bablsr-Aurangabad	22/08/2009	11.30	22/08/2009	16.15	String Insulator Replacement.
HVDC AC Tie Breaker Padgha	23/08/2009	12.30	23/08/2009	19.29	Maintaince Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT- II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
220/132 KV 63MVA T/F I at Lonand	23/07/2009	11.50		Continued.	Errection of New T/F
Nasik - Ghatghar	03/08/2009	10.36	22/08/2009	12.50	C.B.replacement, Ckt on TBC
Karad - Ogalewadi - II	17/08/2009	07.20		Continued.	C.B.Replacement.
BBLSR-Chalisgaon	22/08/2009	09.12	22/08/2009	17.12	Q.M.Work
Apta-Nagothane	22/08/2009	09.55	22/08/2009	17.54	Insulator Replacement.
220KV RLY TSS CKT- I at Kalmeshwar	22/08/2009	10.50	22/08/2009	15.35	Q.M.Work
Apta - Taloja	22/08/2009	11.13	22/08/2009	18.00	For Bus-Sect-II Outage.
Bus section-II @Taloja	22/08/2009	11.14	22/08/2009	18.00	bus Isolator Replacement.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	19/08/2009	21.18		Continued.	H/T to load Akola ICT
Wardha--Dhamangaon	19/08/2009	23.42		Continued.	H/T to load Akola ICT
Voltage Level : 220KV			Outage Type TRIPPED		
K'gaon-Lonand	18/08/2009	17.35		Continued.	C.B.Problem , Taken on TBC
BBLSR-RANJANGAON	22/08/2009	05:56	22/08/2009	03:23	Trip on dist.prot. R to E.
Kalwa - Khargar	22/08/2009	11.57	22/08/2009	12.25	Distance Protection.
Kalwa - Khargar	22/08/2009	12.30	23/08/2009	06.32	Distance Protection.
BBLSWR-ANAGAR CKT I	22/08/2009	16.06	22/08/2009	21.21	Distance Protection.
BBLSR II- BBL SRL CKT. I	23/08/2009	09.22	23/08/2009	09.46	Trip From BBLSR end.
Bablsr 2-Bablsr 1 CKT II	23/08/2009	09.22	23/08/2009	15.47	Trip R-Ph L A Burst.
Voltage Level : 132KV			Outage Type TRIPPED		
Chikali - Mehkar	23/08/2009	02.35	23/08/2009	21.12	Tripped on Dist.Prot.Y-Ph CT Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Aug/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	60
Unit 3	105	50
Unit 4	105	0
Unit 5	200	0
Unit 6	210	130
Unit 7	210	100
	1040	340
Bhusawal		
Unit 1	58	45
Unit 2	210	160
Unit 3	210	185
	478	390
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	170
Unit 4	210	0
Unit 5	210	175
Unit 6	250	210
	940	595
Chandrapur		
Unit 1	210	160
Unit 2	210	165
Unit 3	210	90
Unit 4	210	180
Unit 5	500	400
Unit 6	500	400
Unit 7	500	0
	2340	1395
Paras		
Unit 2	55	45
Unit 3	250	200
	305	245
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	810
Nasik		
Unit 1	120	0
Unit 2	120	70
Unit 3	210	180
Unit 4	210	180
Unit 5	210	180
	870	610
Uran		
All Units	852	630
	852	630
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	12
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	168
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	
Dabhol		
RGPPPL II	960	890
RGPPPL III	740	
	1700	890
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	0
Trombay 8	250	220
TATA Hydro	444	447
	2024	1787
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2707
	3143	2707

	17616	12157
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