



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Aug/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Aug/2009 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	100.193	2207.534	1) Madhya Pradesh	48.740	955.655
2) Hydro	6.593	404.866	2) Gujrat	17.861	397.414
3) Gas	15.599	301.332	3) Goa	-5.710	-117.740
Total MSGENCO	122.385	2913.732	4) TAPS 1&2 (Inj.)	6.157	151.859
B) OTHERS			5) Pench (Excess)	-0.585	-11.017
1) RGPPL Gas	22.619	468.524	# Total Cent. Sector	66.463	1376.171
2) Wind Generation	4.623	280.639	F) Other Exchanges		
3) PENCH (MS)	1.006	11.991	1) With TPCL	-4.302	-69.171
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	31.273	629.785	1) MSEDCL Bilateral	5.623	78.998
2) TPCL Hydro	4.386	89.028	Include PX	0.000	8.571
TOTAL TPCL	35.659	718.813	2) MUMBAI Bilateral	5.622	85.108
3) REL Thermal	12.658	251.365	Include PX	1.758	12.467
D) STATE			3) MUMBAI Schedule	5.622	88.544
1) Thermal (A1+C1+C3)	144.124	3088.684	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	11.985	505.885	1) MSEDCL	212.794	4981.886
3) Gas (A3+B1)	38.218	769.856	2) TPCL	35.172	685.625
4) Wind (B2)	4.623	280.639	3) REL	17.446	353.945
TOTAL STATE	198.950	4645.064	TOTAL STATE	265.412	6021.456

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	4127	4265	3911
MSGENCO Hydro	174	881	62
MSGENCO Gas	655	643	655
MSGENCO Total Generation	4956	5789	4628
Central Sector Receipt	2666	3063	2779
RGPPL	942	943	943
WIND	206	252	91
Exchange with TPCL	-439	-260	48
MSEDCL DEMAND MET	8378	9837	8515
Load Shedding	1705	2596	1051
MSEDCL DEMAND (INCL. LS)	10083	12433	9566
TPCL GENERATION	1650	1712	1094
REL GENERATION	525	524	528
TPCL+REL DEMAND	2614	2496	1574
STATE DEMAND MET	10992	12333	10089
STATE DEMAND (INCL. LS)	12697	14929	11140
Frequency (Hz)	49.49	49.28	49.40
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2892 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			32.18 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.24 Hz at 17.04 Hrs	48.76 Hz at 00.15 Hrs	49.4	4.9 % 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 21/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	1.49	28.73	70	54	70
Unit 3	1.06	28.40	51	38	50
Unit 4	1.40	35.58	72	37	70
Unit 5	0.00	66.44	0	0	0
Unit 6	2.02	65.12	111	32	100
Unit 7	2.21	15.57	119	68	100
	8.17	239.85			390
Bhusawal					
Unit 1	0.98	23.48	48	31	50
Unit 2	2.25	61.19	140	0	150
Unit 3	4.09	91.12	177	156	185
	7.32	175.78			385
Parli					
Unit 1	0.51	10.96	22	19	20
Unit 2	0.52	11.49	22	19	20
Unit 3	3.95	89.28	186	114	180
Unit 4	0.00	0.00	0	0	0
Unit 5	4.13	87.66	180	168	175
Unit 6	5.38	82.85	237	188	210
	14.48	282.25			605
Chandrapur					
Unit 1	3.27	67.33	150	113	110
Unit 2	2.44	68.65	121	67	100
Unit 3	3.41	92.78	188	93	150
Unit 4	3.94	94.60	187	132	180
Unit 5	6.59	195.96	315	230	300
Unit 6	5.53	195.60	260	205	400
Unit 7	5.64	17.65	258	210	225
	30.81	732.57			1465
Paras					
Unit 2	0.93	12.96	46	18	45
Unit 3	5.24	76.08	246	187	200
	6.16	89.04			245
Khaparkheda					
Unit 1	4.33	89.12	198	163	180
Unit 2	4.18	94.18	194	155	170
Unit 3	4.99	103.28	213	180	210
Unit 4	4.70	96.32	214	158	200
	18.20	382.90			760
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.04	31.17	91	70	80
Unit 3	4.50	97.26	202	148	200
Unit 4	4.43	87.47	197	139	180
Unit 5	4.09	89.24	185	135	180
	15.05	305.14			640
Uran					
All Units	15.60	301.33	665	625	600
	15.60	301.33			600
Koyna					
Stage 1-2	1.88	72.13	230	40	600
Stage 4	2.09	224.62	388	0	250
Koyna 12&4 Total	3.97	296.75			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.93	67.82	206	0	240
	4.90	364.57			1090
Hydro					
KDPH	0.00	0.43	0	0	0
VTRNA	0.00	0.43	0	0	0
TILLARI	0.47	13.02	60	0	60
BHTGR/VEER	0.26	6.22	11	10	13
BHIRA T.R.	0.42	7.23	83	0	80
RNGR+BHTSA	0.03	5.06	2	1	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	0.52	5.44	125	0	0
	1.69	40.30			157
PENCH (MS)					
Pench (MS)	1.01	11.99	53	6	
	1.01	11.99			
Wind					
MalharPeth	0.11	12.31			
Vankuswadi	0.36	26.98			
ATIT	0.06	6.71			
Kale	0.01	8.37			
Satara	0.16	17.80			
Shirala	0.05	8.56			
K Mahankal	0.30	10.12			
Supa	0.03	4.40			
Vita	0.68	41.42			
Dondaicha	1.86	89.09			
Sakri	0.35	17.34			
Nandurbar	0.32	10.42			
Khadakale	0.17	17.03			
Khaparale	0.15	10.10			
	4.62	280.64			
Dabhol					
RGPP L II	22.62	468.52	946	932	885
RGPP L III		0.00	0	0	
	22.62	468.52			885
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.06	253.52	505	475	500
Trombay 6	10.96	221.50	510	205	500
Trombay 7A	2.93	50.88	128	114	120
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.31	103.88	223	220	220
TATA Hydro	4.39	89.03	353	0	447
	35.66	718.81			1787
REL					
1&2	12.66	251.36	529	524	500
	12.66	251.36			500
Cent Sect					
Share					2869
					2869

MS PG CL	Thermal	100.19	2207.53		4490
	Thml+Gas	115.79	2508.87		5090
	Hydro	6.59	404.87		1247
	Total	122.38	2913.73		6337
State Total		198.95	4645.06		12378

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	3964	530	640	5134	942	65	2818	2758	-6	53	9005	914	9919	1865	11784	49.00
2	3926	402	646	4974	943	73	2784	2736	-6	50	8829	914	9743	1700	11443	49.15
3	3960	240	657	4857	944	85	2773	2772	-6	49	8760	932	9692	1595	11287	49.49
4	3911	62	655	4628	943	91	2772	2779	-6	48	8515	1051	9566	1574	11140	49.40
5	4022	92	652	4766	942	146	2768	2785	-6	54	8720	1063	9783	1528	11311	49.31
6	4098	406	649	5153	942	127	2769	2668	-6	56	8973	1202	10175	1612	11787	49.21
7	4171	109	660	4940	945	176	2739	2283	28	84	8455	2247	10702	1722	12424	49.43
8	4258	74	660	4992	943	147	2811	2398	-5	48	8555	1929	10484	1816	12300	49.42
9	4262	157	660	5079	943	228	2804	2312	-1	49	8638	1878	10516	2059	12575	49.42
10	4280	159	653	5092	945	230	3057	2429	-314	-262	8471	1736	10207	2373	12580	49.56
11	4127	174	655	4956	942	206	3223	2666	-492	-439	8378	1705	10083	2614	12697	49.49
12	4193	195	640	5028	939	197	3278	2752	-549	-491	8472	1207	9679	2665	12344	49.23
13	4268	89	639	4996	932	183	3242	2899	-531	-477	8580	1259	9839	2644	12483	49.37
14	4205	67	625	4897	940	211	3187	2749	-479	-426	8418	1371	9789	2554	12343	49.18
15	4237	52	632	4921	942	289	3239	2675	-531	-486	8388	1381	9769	2603	12372	49.37
16	4232	56	646	4934	940	303	3245	2744	-537	-490	8478	1284	9762	2646	12408	49.59
17	4207	61	653	4921	942	315	3232	2875	-525	-476	8583	1312	9895	2597	12492	49.84
18	4304	101	652	5057	944	275	3079	2877	-448	-403	8800	1316	10116	2527	12643	49.73
19	4249	140	649	5038	942	258	2957	3070	-294	-248	9110	1916	11026	2459	13485	49.53
20	4265	881	643	5789	943	252	3008	3063	-313	-260	9837	2596	12433	2496	14929	49.28
21	4330	740	649	5719	945	209	2958	2987	-261	-199	9713	2454	12167	2426	14593	49.41
22	4235	739	647	5621	945	178	2842	2849	-145	-79	9567	2370	11937	2292	14229	49.26
23	4153	684	665	5502	946	180	2759	2878	-106	-42	9517	1508	11025	2183	13208	49.51
24	4192	383	661	5236	945	194	2856	2870	-82	-15	9283	1162	10445	2069	12514	49.39
MUs	100.05	6.59	15.59	122.23	22.62	4.62	71.20	65.87	-5.62	-4.30	212.04	36.71	248.75	52.62	301.37	49.40

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 21/Aug/2009

Position as on 6.30 Hrs of 22/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
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	
Bhusawal Unit 2	210	19/08/2009	00.27	21/08/2009	02.10	Boiler tube leakage.	
Bhusawal Unit 2	210	21/08/2009	02.15	21/08/2009	03.39	Trip.	
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 21/Aug/2009

Position as on 6.30 Hrs of 22/Aug/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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		
Tillary-Phonda	26/07/2009	09.52	21/08/2009	12:35	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 : 132KV			Outage Type PLANNED OUTAGE		
Pench - Kanhan	21/08/2009	15:35	21/08/2009	18:48	Testing work.
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		
400/220KV 315 MVA ICT-I at padgha	21/08/2009	08:43	21/08/2009	18:49	Bay Maint.
Padgha - Nagothane - I	21/08/2009	11:00	21/08/2009	14:01	To attend hot spot.
Bablsr-Aurangabad	22/08/2009	11.30	22/08/2009	16.15	String Insulator Replacement.
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.
Kalwa - Khargar	21/08/2009	09:31	21/08/2009	18:41	To attend hot spot.
Padgha-Jambhul-I	21/08/2009	10:06	21/08/2009	18:15	ISO Maint.
Padgha-Jambhul II	21/08/2009	10:06	21/08/2009	18:15	Tan & Testing.
K'gaon-Lonand	21/08/2009	10:21	21/08/2009	16:30	Tree Cutting.
Aurangabad - Padegaon - I.	21/08/2009	11:13	21/08/2009	16:20	Quarterly Maintainance.
200 MVA,220/132 KV ICT-I @ Harangul.	21/08/2009	12:10	21/08/2009	13:05	Oil leakage of conservator tank & filling oil in OLTC.
Hinganghat-Bhugaon	21/08/2009	14:33	21/08/2009	15:45	Relay testing & breaker timing work.
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 : 132KV			Outage Type PLANNED OUTAGE		
Jalgaon - Dhrangaon	21/08/2009	07:00	21/08/2009	21:50	Breaker replacement work.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Aug/2009

Position as on 6.30 Hrs of 22/Aug/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Padegaon - Gangapur	21/08/2009	10:00	21/08/2009	12:00	To remove bunching of sat & Gangapur ckt at location no.2.
Padegaon - Sat	21/08/2009	10:00	21/08/2009	11:45	To remove bunching of Set & Gangapur ckt at location no.2
Kanhan - Mankapur.	21/08/2009	11:08	21/08/2009	19:41	Retro-Fitting work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa-Standard	21/08/2009	00.00	21/08/2009	23:23	Bunching work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 315 MVA ICT-I at padgha	21/08/2009	19:11	21/08/2009	22:23	Sparking R Ph HV side Bushing clamp.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-New Koyna II	21/08/2009	15:47	21/08/2009	18:33	To attend hot spot.
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 : 400KV			Outage Type TRIPPED		
Karad-Kolhapur CKT II	21/08/2009	04.47	21/08/2009	15:36	Distance Protection.
Karad-Kolhapur CKT I	21/08/2009	05.50	21/08/2009	12:49	Distance protection.
Karad-Kolhapur CKT II	21/08/2009	20:41	21/08/2009	22:25	Trip on dist.prot. B to E.
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.
BBLSWR-ANAGAR CKT I	22/08/2009	16.06	22/08/2009	21.21	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
OZAR - DANDORI	21/08/2009	02.05	21/08/2009	14.55	Distance protection.
Jalgaon-Bhusawal I	21/08/2009	14:10	21/08/2009	14:34	Tripped on dist.prot. R ph zone 1
Jalgaon-Buusawal II	21/08/2009	14:10	21/08/2009	14:32	Tripped on dist. prot. R ph zone 1
Bhandara - Madgi -I	21/08/2009	19:52	21/08/2009	20:04	Tripped on dist. protn.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Aug/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	65
Unit 3	105	40
Unit 4	105	40
Unit 5	200	0
Unit 6	210	60
Unit 7	210	60
	1040	265
Bhusawal		
Unit 1	58	35
Unit 2	210	150
Unit 3	210	185
	478	370
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	180
Unit 4	210	0
Unit 5	210	175
Unit 6	250	140
	940	535
Chandrapur		
Unit 1	210	120
Unit 2	210	75
Unit 3	210	140
Unit 4	210	160
Unit 5	500	300
Unit 6	500	250
Unit 7	500	230
	2340	1275
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	90
Unit 3	210	200
Unit 4	210	180
Unit 5	210	180
	870	650
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	13
BHIRA T.R.	80	80
RNGR+BHTSA	20	4
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	157
PENCH (MS)		
Pench (MS)	53	0
	53	0
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		
RGPPL II	960	890
RGPPL III	740	0
	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	2727
	3143	2727

	17616	7 of 7	11931
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