



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Aug/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Aug/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.324	1585.674	1) Madhya Pradesh	44.561	643.334
2) Hydro	6.120	292.801	2) Gujrat	22.164	267.200
3) Gas	15.449	211.309	3) Goa	-6.255	-82.762
Total MSGENCO	131.893	2089.784	4) TAPS 1&2 (Inj.)	7.319	109.354
B) OTHERS			5) Pench (Excess)	-0.382	-7.495
1) RGPPL Gas	22.625	332.810	# Total Cent. Sector	67.407	929.631
2) Wind Generation	15.227	245.278	F) Other Exchanges		
3) PENCH (MS)	0.382	7.495	1) With TPCL	0.670	-49.247
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	29.081	448.200	1) MSEDCL Bilateral	3.556	43.584
2) TPCL Hydro	0.467	63.055	Include PX	0.000	5.854
TOTAL TPCL	29.548	511.255	2) MUMBAI Bilateral	0.511	56.983
3) REL Thermal	12.505	175.616	Include PX	0.000	6.292
D) STATE			3) MUMBAI Schedule	0.511	60.420
1) Thermal (A1+C1+C3)	151.910	2209.490	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	6.969	363.351	1) MSEDCL	238.204	3555.751
3) Gas (A3+B1)	38.074	544.119	2) TPCL	26.747	485.543
4) Wind (B2)	15.227	245.278	3) REL	14.636	250.519
TOTAL STATE	212.180	3362.238	TOTAL STATE	279.587	4291.813

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 8 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4705	4500	4671
MSGENCO Hydro	55	402	437
MSGENCO Gas	653	659	609
MSGENCO Total Generation	5413	5561	5717
Central Sector Receipt	2500	2830	2704
RGPPL	945	943	944
WIND	550	594	652
Exchange with TPCL	40	9	49
MSEDCL DEMAND MET	9474	9954	10093
Load Shedding	2781	3129	1221
MSEDCL DEMAND (INCL. LS)	12255	13083	11314
TPCL GENERATION	1074	1491	1028
REL GENERATION	529	526	527
TPCL+REL DEMAND	1563	2008	1506
STATE DEMAND MET	11037	11962	11599
STATE DEMAND (INCL. LS)	13818	15091	12820
Frequency (Hz)	49.82	49.62	49.45
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3453 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			54.57 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.35 Hz at 14.09 Hrs	48.79 Hz at 19.54 Hrs	49.68	3.04 % 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 15/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	1.74	24.86	75	69	70
Unit 3	1.46	21.34	66	56	60
Unit 4	1.78	26.91	80	70	85
Unit 5	4.10	59.67	175	170	170
Unit 6	4.22	48.33	187	154	170
Unit 7	0.00	0.00	0	0	0
	13.31	181.10			555
Bhusawal					
Unit 1	1.22	17.44	58	38	50
Unit 2	3.82	48.44	166	151	160
Unit 3	4.56	65.12	198	185	185
	9.59	131.00			395
Parli					
Unit 1	0.52	8.01	22	18	20
Unit 2	0.54	8.41	24	20	20
Unit 3	4.16	63.78	194	156	190
Unit 4	0.00	0.00	0	0	0
Unit 5	4.18	62.75	180	156	170
Unit 6	5.36	53.57	230	214	220
	14.75	196.53			620
Chandrapur					
Unit 1	0.00	47.70	0	0	0
Unit 2	3.29	50.60	138	136	140
Unit 3	4.82	69.92	203	193	205
Unit 4	4.85	69.26	204	188	200
Unit 5	9.45	148.18	466	330	450
Unit 6	9.66	147.26	420	385	425
Unit 7	0.00	0.00	0	0	0
	32.07	532.93			1420
Paras					
Unit 2	1.07	7.60	48	39	45
Unit 3	4.97	51.69	237	190	200
	6.04	59.29			245
Khaparkheda					
Unit 1	4.77	60.67	206	182	200
Unit 2	4.65	67.36	206	185	200
Unit 3	5.11	73.03	215	210	210
Unit 4	5.04	66.53	216	205	210
	19.56	267.58			820
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.42	24.35	92	0	85
Unit 3	4.58	69.13	205	177	182
Unit 4	4.60	60.15	202	183	192
Unit 5	4.40	63.62	192	170	180
	15.00	217.24			639
Uran					
All Units	15.45	211.31	670	607	620
	15.45	211.31			620
Koyna					
Stage 1-2	1.58	52.22	185	40	600
Stage 4	2.43	162.01	535	0	250
Koyna 12&4 Total	4.01	214.23			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.88	48.83	204	0	240
	4.89	263.06			1090
Hydro					
KDPH	0.00	0.43	0	0	0
VTRNA	0.00	0.19	0	0	0
TILLARI	0.48	9.85	60	0	60
BHTGR/VEER	0.30	4.44	13	12	10
BHIRA T.R.	0.20	5.09	42	0	80
RNGR+BHTSA	0.25	4.16	17	2	15
BHANDARDRA	0.00	2.42	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.00	3.17	0	0	0
	1.23	29.74			165
PENCH (MS)					
Pench (MS)	0.38	7.50	53	0	
	0.38	7.50			
Wind					
MalharPeth	0.77	11.01			
Vankuswadi	1.16	23.95			
ATIT	0.16	5.89			
Kale	0.22	7.66			
Satara	0.54	15.92			
Shirala	0.47	7.67			
K Mahankal	0.52	9.16			
Supa	0.22	4.04			
Vita	1.99	37.61			
Dondaicha	5.93	74.63			
Sakri	1.03	14.68			
Nandurbar	0.73	8.46			
Khadakale	0.92	15.76			
Khaparale	0.56	8.85			
	15.23	245.28			
Dabhol					
RGPP L II	22.62	332.81	945	938	885
RGPP L III	0.00	0.00	0	0	
	22.62	332.81			885
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.12	181.04	505	505	500
Trombay 6	9.32	159.28	510	210	500
Trombay 7A	2.39	35.65	110	83	120
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.26	72.23	223	215	250
TATA Hydro	0.47	63.06	155	2	447
	29.55	511.26			1817
REL					
1&2	12.50	175.62	529	455	500
	12.50	175.62			500
Cent Sect					
Share					2550
					2550

MS PG CL	Thermal	110.32	1585.67		4694
	Thml+Gas	125.77	1796.98		5314
	Hydro	6.12	292.80		1255
	Total	131.89	2089.78		6569
State Total		212.18	3362.24		12321

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	4666	939	607	6212	941	626	2488	2694	-7	44	10570	1199	11769	1770	13539	49.16
2	4647	638	610	5895	945	510	2488	2727	-7	47	10166	1199	11365	1637	13002	49.38
3	4671	437	609	5717	944	652	2489	2704	-7	49	10093	1221	11314	1506	12820	49.45
4	4647	280	610	5537	941	643	2490	2870	-7	53	10071	1283	11354	1480	12834	49.61
5	4661	114	621	5396	942	620	2491	3051	-7	55	10090	1327	11417	1417	12834	49.46
6	4616	635	640	5891	945	539	2491	3048	-7	49	10498	1590	12088	1540	13628	49.47
7	4648	152	651	5451	942	506	2559	2854	-7	43	9823	2637	12460	1547	14007	49.59
8	4705	55	653	5413	945	550	2476	2500	-7	40	9474	2781	12255	1563	13818	49.82
9	4662	115	658	5435	945	605	2484	2712	-7	38	9788	2148	11936	1637	13573	49.83
10	4588	135	663	5386	945	602	2481	2942	-7	37	9932	1531	11463	1703	13166	49.94
11	4587	176	662	5425	944	617	2507	3072	-33	7	10065	1698	11763	1809	13572	49.91
12	4584	170	657	5411	944	670	2506	2833	-33	-1	9857	1687	11544	1849	13393	49.86
13	4579	81	657	5317	938	765	2507	3004	-33	16	10040	1661	11701	1797	13498	49.90
14	4607	73	670	5350	943	592	2479	2780	-7	45	9710	1619	11329	1756	13085	50.13
15	4630	68	661	5359	942	805	2478	2730	-7	43	9879	1347	11226	1749	12975	49.99
16	4671	78	659	5408	940	726	2478	2659	-7	40	9773	1216	10989	1719	12708	49.91
17	4625	72	656	5353	941	837	2481	2741	-7	38	9910	1444	11354	1712	13066	49.84
18	4559	134	661	5354	945	868	2401	2447	-27	16	9630	1970	11600	1736	13336	49.94
19	4526	245	650	5421	943	635	2424	2440	-49	-10	9447	2538	11985	1785	13770	49.60
20	4473	555	634	5662	940	526	2573	2529	-49	-7	9670	3348	13018	1969	14987	49.10
21	4500	402	659	5561	943	594	2572	2830	-49	9	9954	3129	13083	2008	15091	49.62
22	4483	327	649	5459	943	554	2573	2783	-49	9	9748	2998	12746	1973	14719	49.47
23	4476	179	643	5298	943	534	2562	3213	-49	8	9996	2194	12190	1888	14078	49.73
24	4461	60	609	5130	941	651	2620	3239	-49	2	9963	1634	11597	1833	13430	49.70
MUs	110.27	6.12	15.45	131.84	22.62	15.23	60.10	67.40	-0.51	0.67	238.15	45.40	283.55	41.38	324.93	49.68

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 15/Aug/2009

Position as on 6.30 Hrs of 16/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
Cent_Sect NTPC(V-7)	500	18/07/2009	23.27		Continued.	Annual Overhaul.	20/08/2009
Koradi Unit 7	210	20/07/2009	09.57	16/08/2009	07.30	Annual Overhaul	16/08/2009
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.	25/08/2009
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		Continued.	AOH	24/08/2009
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	
Chandrapur Unit 1	210	14/08/2009	00:44	16/08/2009	08.06	Boiler tube leakage.	16/08/2009
Koradi Unit 2	105	16/08/2009	11.45		Continued.	ESP Problem.	18/08/2009
Koyna ST-IV 1	250	16/08/2009	18.40	16/08/2009	19.09	Tripped on Pilot Protection.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Aug/2009

Position as on 6.30 Hrs of 16/Aug/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kolhapur-Phonda Ckt. I	26/07/2009	09.10		Continued.	Outage.
Tillary-Phonda	26/07/2009	09.52		Continued.	Outage.
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	14/08/2009	16.23	15/08/2009	15.10	H/T/For O/V.
Dhule-Sar'Sarovar II	16/08/2009	01.09	16/08/2009	09.45	H/T For O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-II	19/06/2009	16:13		Continued.	3 Tower Collapsed.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
Chandrapur-Padaghe Pole - II	07/08/2009	12.16		Continued.	Smoothing Reactor Problem.
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,63 MVA,ICT-2 at Lonand.	10/07/2009	12.10		Continued.	HV C.B.Repl.,ICT on TBC
220/132 KV 63MVA T/F I at Lonand	23/07/2009	11.50		Continued.	Errection of New T/F
C'pur-Sicom-I	26/07/2009	09.50		Continued.	C.B.Replacement Work.Line on TBC.
Nasik - Ghatghar	03/08/2009	10.36		Continued.	C.B.replacement, Ckt on TBC
Padgha-Wada	14/08/2009	09.14	15/08/2009	03.05	Breaker Maintaince.
Chinchwad-Urse	15/08/2009	09.02	15/08/2009	19.04	Insulator Replacement Work.
PUSAD-BHUGAON	15/08/2009	10.40	15/08/2009	17.44	Retrofitting work.
Tata-Tie-2 at Trombay.	16/08/2009	08.58	16/08/2009	15.31	Outage of bus section-I at Trombay.
Trombay-Kalwa	16/08/2009	09.25	16/08/2009	16.11	Outage of Bus-Section I at Trombay
Trombay-Nerul	16/08/2009	09.30	16/08/2009	17.27	Outage of bus section-I at Trombay.
220/100 125 MVA ICT - II @ Trombay	16/08/2009	09.57	16/08/2009	17.47	Outage of bus section I at Trombay.
Bus section-I at Trombay	16/08/2009	10.07	16/08/2009	15.12	To attend hot spot on bus section.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Borivali-Borivali-II	16/08/2009	09.48	16/08/2009	14.20	Earthwire Stringing work.
Voltage Level : 220KV			Outage Type TRIPPED		
Apta-Bombay Dyeing	16/08/2009	02.18	16/08/2009	05.13	Y-Ph PT Burst at Bombay-Dyeing
Urse-Sahara	16/08/2009	02.18	16/08/2009	03.59	Y-Ph PT Burst at Bombay-Dyeing
B'dying- Sahara	16/08/2009	02.18	16/08/2009	05.09	Y-Ph PT Burst at Bombay-Dyeing.
Kandalgaon-Khargar	16/08/2009	13.45	16/08/2009	14.12	Tripped on distance protection.
Trombay-Kalwa	16/08/2009	19.50	16/08/2009	23.13	Tripped on distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Aug/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	60
Unit 4	105	70
Unit 5	200	140
Unit 6	210	100
Unit 7	210	0
	1040	440
Bhusawal		
Unit 1	58	50
Unit 2	210	160
Unit 3	210	185
	478	395
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	185
Unit 4	210	0
Unit 5	210	175
Unit 6	250	225
	940	625
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	200
Unit 4	210	200
Unit 5	500	380
Unit 6	500	425
Unit 7	500	0
	2340	1345
Paras		
Unit 2	55	45
Unit 3	250	200
	305	245
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	210
Unit 4	210	210
	840	820
Nasik		
Unit 1	120	0
Unit 2	120	0
Unit 3	210	200
Unit 4	210	180
Unit 5	210	180
	870	560
Uran		
All Units	852	580
	852	580
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	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	165
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		
RGPL II	960	890
RGPL 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	200
TATA Hydro	444	447
	2024	1767
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2623
	3143	2623

	17616	12045
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