



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Sep/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Sep/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.031	2024.471	1) Madhya Pradesh	52.820	971.682
2) Hydro	15.708	114.072	2) Gujrat	27.684	395.504
3) Gas	14.267	280.953	3) Goa	-6.313	-109.714
Total MSGENCO	143.006	2419.496	4) TAPS 1&2 (Inj.)	7.178	137.864
B) OTHERS			5) Pench (Excess)	-0.974	-2.640
1) RGPPL Gas	17.937	430.627	# Total Cent. Sector	80.395	1392.696
2) Wind Generation	4.380	149.427	F) Other Exchanges		
3) PENCH (MS)	1.174	9.335	1) With TPCL	-6.922	-125.560
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	29.863	526.271	1) MSEDCL Bilateral	5.484	98.312
2) TPCL Hydro	4.250	63.060	Include PX	0.000	2.941
TOTAL TPCL	34.113	589.331	2) MUMBAI Bilateral	7.425	138.501
3) REL Thermal	12.562	239.816	Include PX	0.100	3.858
D) STATE			3) MUMBAI Schedule	7.425	140.326
1) Thermal (A1+C1+C3)	155.456	2790.558	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	21.132	186.467	1) MSEDCL	239.970	4276.021
3) Gas (A3+B1)	32.204	711.580	2) TPCL	35.429	630.802
4) Wind (B2)	4.380	149.427	3) REL	18.167	323.726
TOTAL STATE	213.172	3838.032	TOTAL STATE	293.566	5230.549

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4616	4804	4675
MSGENCO Hydro	1048	1777	53
MSGENCO Gas	574	595	601
MSGENCO Total Generation	6238	7176	5329
Central Sector Receipt	3704	3433	2903
RGPPL	641	650	979
WIND	71	181	242
Exchange with TPCL	-561	-319	-52
MSEDCL DEMAND MET	10147	11171	9454
Load Shedding	2646	2917	1313
MSEDCL DEMAND (INCL. LS)	12793	14088	10767
TPCL GENERATION	1578	1718	1076
REL GENERATION	520	522	526
TPCL+REL DEMAND	2659	2559	1654
STATE DEMAND MET	12806	13730	11108
STATE DEMAND (INCL. LS)	15452	16647	12421
Frequency (Hz)	49.30	49.32	49.20
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4028 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			62.47 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50 Hz at 06.04 Hrs	48.79 Hz at 23.06 Hrs	49.33	5.61 % 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 19/Sep/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	1.68	24.03	77	62	70
Unit 3	1.89	21.13	85	73	70
Unit 4	1.76	25.46	81	62	70
Unit 5	2.41	39.65	144	0	130
Unit 6	3.12	56.94	154	92	120
Unit 7	3.52	40.94	190	105	140
	14.39	208.15			600
Bhusawal					
Unit 1	1.26	18.04	57	48	50
Unit 2	0.00	5.17	0	0	0
Unit 3	4.12	78.29	194	148	162
	5.37	101.50			212
Parli					
Unit 1	0.56	10.90	26	20	20
Unit 2	0.56	11.00	25	21	20
Unit 3	4.00	71.67	173	110	160
Unit 4	4.13	63.02	188	146	160
Unit 5	3.90	74.62	178	143	160
Unit 6	4.54	82.71	225	148	210
	17.68	313.91			730
Chandrapur					
Unit 1	3.69	67.51	161	136	165
Unit 2	0.00	13.65	0	0	0
Unit 3	2.93	62.74	141	85	130
Unit 4	4.39	84.68	204	153	200
Unit 5	9.49	153.82	440	334	350
Unit 6	9.54	147.95	425	370	400
Unit 7	8.98	153.52	402	345	375
	39.01	683.86			1620
Paras					
Unit 2	0.00	8.20	0	0	25
Unit 3	4.88	76.47	219	191	175
	4.88	84.68			200
Khaparkheda					
Unit 1	4.72	87.74	207	187	200
Unit 2	4.56	84.27	196	184	190
Unit 3	1.58	87.96	212	0	210
Unit 4	4.99	92.60	215	200	210
	15.84	352.57			810
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.08	38.30	96	83	96
Unit 3	4.68	73.66	207	162	196
Unit 4	4.58	86.05	198	173	185
Unit 5	4.52	81.79	194	177	185
	15.86	279.79			662
Uran					
All Units	14.27	280.95	635	563	610
	14.27	280.95			610
Koyna					
Stage 1-2	3.32	26.08	420	40	600
Stage 4	8.18	37.04	819	0	250
Kovna 12&4 Total	11.49	63.13			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.59	20.43	320	0	320
	14.08	83.56			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.52	0	0	0
TILLARI	0.39	8.28	60	0	60
BHTGR/VEER	0.06	6.64	3	2	20
BHIRA T.R.	0.39	6.92	42	0	80
RNGR+BHTSA	0.16	2.01	16	0	7
BHANDARDRA	0.00	0.33	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	1.04	0	0	10
GHATGHAR	0.62	4.77	124	0	0
	1.62	30.51			177
PENCH (MS)					
Pench (MS)	1.17	9.34	54	24	0
	1.17	9.34			0
Wind					
MalharPeth	0.09	5.48			
Vankuswadi	0.25	12.18			
ATIT	0.04	2.52			
Kale	0.01	1.20			
Satara	0.09	5.94			
Shirala	0.10	3.72			
K Mahankal	0.24	6.20			
Supa	0.08	1.82			
Vita	0.58	21.09			
Dondaicha	1.91	58.11			
Sakri	0.31	9.77			
Nandurbar	0.29	7.81			
Khadakale	0.26	6.33			
Khaparale	0.14	7.26			
	4.38	149.43			
Dabhol					
RGPPPL II	17.94	430.63	979	625	898
RGPPPL III	0.00	0.00	0	0	
	17.94	430.63			898
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.08	206.32	505	470	500
Trombay 6	11.49	203.46	510	310	500
Trombay 7A	2.12	42.27	89	88	80
Trombay 7B	1.39	11.73	59	57	100
Trombay 8	2.77	62.50	125	78	100
TATA Hydro	4.25	63.06	433	0	447
	34.11	589.33			1727
REL					
1&2	12.56	239.82	526	517	500
	12.56	239.82			500
Cent Sect					
Share					3422
					3422

MS PG CL	Thermal	113.03	2024.47		4834
	Thml+Gas	127.30	2305.42		5444
	Hydro	15.71	114.07		1347
	Total	143.01	2419.50		6791
State Total		213.17	3838.03		13338

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/Sep/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	4763	235	573	5571	967	128	3204	3011	-73	-55	9675	1402	11077	1956	13033	49.10
2	4690	53	594	5337	971	183	3204	3026	-73	-53	9517	1430	10947	1824	12771	49.13
3	4674	43	600	5317	972	218	3206	2966	-73	-51	9476	1257	10733	1714	12447	49.18
4	4675	53	601	5329	979	242	3206	2903	-73	-52	9454	1313	10767	1654	12421	49.20
5	4697	43	613	5353	976	251	3208	3029	-73	-53	9609	1210	10819	1656	12475	49.28
6	4776	93	616	5485	978	297	3207	3154	-73	-55	9913	1392	11305	1726	13031	49.27
7	4859	83	635	5577	977	331	3208	2601	-73	-57	9482	2113	11595	1796	13391	49.64
8	4844	119	628	5591	801	309	3214	3390	-31	-16	10128	2021	12149	1874	14023	49.50
9	4685	127	616	5428	641	181	3323	3239	-146	-125	9418	2677	12095	2044	14139	49.56
10	4660	180	601	5441	625	132	3608	3567	-495	-489	9329	2978	12307	2360	14667	49.47
11	4645	308	592	5545	633	92	3668	3910	-566	-562	9671	2856	12527	2578	15105	49.50
12	4616	1048	574	6238	641	71	3656	3704	-566	-561	10147	2646	12793	2659	15452	49.30
13	4570	1113	568	6251	637	64	3655	3496	-566	-558	9943	2548	12491	2669	15160	49.23
14	4663	967	563	6193	636	83	3638	3599	-548	-536	10028	2612	12640	2569	15209	49.16
15	4676	939	575	6190	640	72	3638	3426	-548	-534	9844	2755	12599	2628	15227	49.36
16	4681	713	581	5975	644	109	3637	3684	-548	-538	9898	2928	12826	2596	15422	49.42
17	4658	529	592	5779	648	189	3648	3809	-548	-540	9912	2907	12819	2568	15387	49.55
18	4672	614	589	5875	641	239	3533	3616	-459	-448	9950	2633	12583	2480	15063	49.39
19	4725	1177	590	6492	646	196	3331	3470	-341	-320	10534	2929	13463	2448	15911	49.28
20	4804	1777	595	7176	650	181	3420	3433	-343	-319	11171	2917	14088	2559	16647	49.32
21	4768	1525	608	6901	652	206	3404	3796	-326	-274	11331	2618	13949	2432	16381	49.49
22	4837	1499	602	6938	656	198	3398	3300	-320	-271	10871	2647	13518	2375	15893	49.34
23	4718	1273	592	6583	663	173	3397	3190	-318	-267	10392	2272	12664	2268	14932	49.15
24	4550	1197	581	6328	663	235	3326	3113	-248	-188	10201	1677	11878	2164	14042	49.12
MUs	112.91	15.71	14.28	142.89	17.94	4.38	81.94	80.43	-7.43	-6.92	239.89	54.74	294.63	53.60	348.23	49.33

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 19/Sep/2009

Position as on 6.30 Hrs of 20/Sep/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
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	22/09/2009
Bhusawal Unit 2	210	02/09/2009	10.08		Continued.	Annual Overhaul.	16/10/2009
Chandrapur Unit 2	210	05/09/2009	23:46		Continued.	AOH.	05/10/2009
Cent_Sect Gandhar U3	144	14/09/2009	09.30		Continued.	A.O.H.	30/09/2009
Cent_Sect Gandhar U4	224	17/09/2009	00.11		Continued.	A O H.	25/09/2009
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	
Koyna ST-IV 2	250	18/09/2009	09:00		Continued.	Maint.Work.	25/09/2009
Paras Unit 2	55	19/09/2009	00:03	20/09/2009	08.36	Coal Cycle Problem.	
Dabhol 1A	230	19/09/2009	07:29	19/09/2009	21:30	Low drum level.	
Dabhol 1X	290	19/09/2009	07:29	20/09/2009	00:43	Low drum level.	
Khaparkheda Unit 3	210	19/09/2009	07:52		Continued.	B.T.L.	23/09/2009
Koradi Unit 5	200	19/09/2009	22:04		Continued.	I.D. Fan problem.	23/09/2009
Parli Unit 6	250	20/09/2009	02:47	20/09/2009	13.24	Coal mill problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Sep/2009

Position as on 6.30 Hrs of 20/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	01/07/2009	09.12		Continued.	H/T FOR O/V
Akola - Wardha - I	01/09/2009	01.44		Continued.	Hand Tripped for Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Seoni - Wardha	01/09/2009	01.44		Continued.	Tripped on Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
Chandrapur-Padaghe Pole - II	14/09/2009	14.51	19/09/2009	23:30	Annual Maintenance Work.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV TBC At Kolhapur	15/09/2009	10.40	20/09/2009	12.45	TBC Breaker Overhauling.
400/220 KV 315 MVA ICT at Akola	17/09/2009	08.14	19/09/2009	00:56	Testing Work.
Karad-Newkoyna 1	19/09/2009	09:58	19/09/2009	14:23	Insu. Replacement.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
220/100 KV,125 MVA ICT-III at Trombay S/S.	31/08/2009	09.32		Continued.	Replacement of Relay Panels & Control Panels.
K'gaon-Lonand	19/09/2009	08:25	19/09/2009	18:45	E/W Replacement.
220/132kv,100MVA ICT-I at khadka	19/09/2009	09:08	19/09/2009	19:33	LA Replacement.
Bableshwar-Bhenda	19/09/2009	09:32	19/09/2009	16:22	Q.M. Work.
Nasik-Raymond	19/09/2009	09:40	19/09/2009	19:01	LA and CT Jumper Replacement.
Kolhapur-Sawantwadi	19/09/2009	12:20		Continued.	Breaker over houling, Line on TBC
Boisor-Versova	20/09/2009	07.00	20/09/2009	15.32	Outage.
M.B.I at Varsova	20/09/2009	07.10	20/09/2009	15.32	Jumper Connection.
Kandalgaon-Lonand	20/09/2009	07.46	20/09/2009	18.40	E/W Replacement.Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	19/09/2009	09:02	19/09/2009	18:54	Repl. of 132 KV CC.
Pachora - Chalisgaon CKT -I.	19/09/2009	10:05	19/09/2009	19:42	Replacement of 132 KV CT.
Nandurbar - Visarwadi	19/09/2009	10:05	19/09/2009	18:20	Repl. of faulty disc insulator.
Bhandara-Kardha	19/09/2009	11:55	19/09/2009	18:08	Testing and Commissioning of PF scheme.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa-Washi	19/09/2009	05:42	19/09/2009	10.34	Replacement of rusted double pole structure
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	19/09/2009	01:03		Continued.	H/T to increase load on Akola ICT.
Pusad - Parbhani	20/09/2009	19.40	20/09/2009	20.51	To control Chandrapur ICT loading.
Wardha--Dhamangaon	20/09/2009	19.48	20/09/2009	21.01	To Control Chandrapur ICT loading
Voltage Level : 500KV			Outage Type TRIPPED		
Chandrapur - Padgha Pole -I	20/09/2009	19.19	20/09/2009	20.24	Convertor Breaker Blocked,Fire Alarm.
Chandrapur-Padaghe Pole - II	20/09/2009	19.19	20/09/2009	20.24	Convertor Breaker Blocked,Fire Alarm.
Voltage Level : 400KV			Outage Type TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Sep/2009

Position as on 6.30 Hrs of 20/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Kalwa-Padgha CKT I	19/09/2009	15:51	19/09/2009	16:10	Distance Protection
Voltage Level : 220KV			Outage Type TRIPPED		
BHENDA-BBLSWR	19/09/2009	16:23	19/09/2009	19:20	Trip on dist. prot. B to E.
Bableshwar-Nasik-I	19/09/2009	17:01	19/09/2009	22:59	Trip on dist. prot. R to E.
BBLSR-A"Nagar II	20/09/2009	13.23	20/09/2009	14.02	Dist.Protection
220/132 KV,100 MVA T/F-II @ Malegaon	20/09/2009	14.40	20/09/2009	18.05	PRV Problem.
Padghe - Nashik - II	20/09/2009	18.30	20/09/2009	19.00	Dist.Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Mouda - Pennar Ckt.	18/09/2009	22:30	19/09/2009	23:40	Fault at Pennar end
Ambazari - Amravati	20/09/2009	19.26	20/09/2009	20.58	Dist.Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Sep/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	70
Unit 4	105	75
Unit 5	200	0
Unit 6	210	120
Unit 7	210	180
	1040	515
Bhusawal		
Unit 1	58	50
Unit 2	210	0
Unit 3	210	190
	478	240
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	170
Unit 4	210	170
Unit 5	210	160
Unit 6	250	0
	940	540
Chandrapur		
Unit 1	210	165
Unit 2	210	0
Unit 3	210	120
Unit 4	210	170
Unit 5	500	300
Unit 6	500	425
Unit 7	500	425
	2340	1605
Paras		
Unit 2	55	0
Unit 3	250	200
	305	200
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	0
Unit 4	210	210
	840	600
Nasik		
Unit 1	120	0
Unit 2	120	89
Unit 3	210	144
Unit 4	210	167
Unit 5	210	148
	870	548
Uran		
All Units	852	610
	852	610
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	23
BHIRA T.R.	80	80
RNGR+BHTSA	20	4
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	167
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	897
RGPPPL III	740	
	1700	897
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	60
Trombay 8	250	120
TATA Hydro	444	447
	2024	1727
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3310
	3143	3310