



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Sep/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.725	2246.313	1) Madhya Pradesh	53.766	1079.208
2) Hydro	8.786	135.644	2) Gujrat	26.604	448.705
3) Gas	14.617	309.850	3) Goa	-6.111	-121.654
Total MSGENCO	138.128	2691.807	4) TAPS 1&2 (Inj.)	7.221	152.328
B) OTHERS			5) Pench (Excess)	-1.213	-5.040
1) RGPPL Gas	21.821	473.778	# Total Cent. Sector	80.267	1553.547
2) Wind Generation	3.981	159.110	F) Other Exchanges		
3) PENCH (MS)	1.213	11.735	1) With TPCL	-5.461	-133.687
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	30.431	587.062	1) MSEDCL Bilateral	5.778	109.546
2) TPCL Hydro	2.483	66.314	Include PX	0.000	2.941
TOTAL TPCL	32.914	653.376	2) MUMBAI Bilateral	6.373	148.227
3) REL Thermal	12.594	265.008	Include PX	1.924	5.781
D) STATE			3) MUMBAI Schedule	6.373	150.052
1) Thermal (A1+C1+C3)	157.750	3098.383	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	12.482	213.693	1) MSEDCL	239.949	4756.290
3) Gas (A3+B1)	36.438	783.628	2) TPCL	33.372	694.286
4) Wind (B2)	3.981	159.110	3) REL	17.700	357.707
TOTAL STATE	210.651	4254.814	TOTAL STATE	291.021	5808.283

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	4828	4931	4605
MSGENCO Hydro	681	1230	70
MSGENCO Gas	591	617	612
MSGENCO Total Generation	6100	6778	5287
Central Sector Receipt	3611	3505	3068
RGPPL	907	908	912
WIND	85	180	212
Exchange with TPCL	-376	-445	14
MSEDCL DEMAND MET	10380	10979	9546
Load Shedding	2630	2939	1318
MSEDCL DEMAND (INCL. LS)	13010	13918	10864
TPCL GENERATION	1536	1527	1158
REL GENERATION	523	523	526
TPCL+REL DEMAND	2435	2495	1670
STATE DEMAND MET	12815	13474	11216
STATE DEMAND (INCL. LS)	15445	16413	12534
Frequency (Hz)	49.33	49.50	49.26
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3814 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			59.84 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.01 Hz at 19.01 Hrs	48.78 Hz at 07.39 Hrs	49.35	5.87 % 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/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	1.72	27.49	76	65	70
Unit 3	1.83	24.80	79	69	75
Unit 4	1.91	29.16	86	66	75
Unit 5	0.95	40.60	127	0	0
Unit 6	3.43	63.68	164	128	140
Unit 7	4.04	48.79	182	148	160
	13.87	234.51			520
Bhusawal					
Unit 1	1.22	20.53	55	46	50
Unit 2	0.00	5.17	0	0	0
Unit 3	4.18	86.84	193	158	190
	5.40	112.55			240
Parli					
Unit 1	0.60	12.07	28	23	20
Unit 2	0.55	12.11	24	21	20
Unit 3	4.04	79.68	173	163	170
Unit 4	4.29	71.47	184	171	170
Unit 5	3.84	81.81	178	137	170
Unit 6	4.78	89.58	230	160	220
	18.10	346.72			770
Chandrapur					
Unit 1	3.69	74.91	160	144	165
Unit 2	0.00	13.65	0	0	0
Unit 3	3.54	69.15	184	128	130
Unit 4	4.46	93.60	205	158	200
Unit 5	10.21	173.45	447	398	450
Unit 6	9.32	166.85	405	353	425
Unit 7	9.77	173.26	440	380	410
	40.98	764.87			1780
Paras					
Unit 2	0.48	8.95	21	18	40
Unit 3	4.90	86.09	218	168	180
	5.37	95.04			220
Khaparkheda					
Unit 1	4.79	97.24	209	189	200
Unit 2	4.64	93.42	198	187	190
Unit 3	0.83	88.79	187	0	0
Unit 4	5.02	102.69	214	203	210
	15.28	382.13			600
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.12	42.59	99	65	96
Unit 3	4.72	82.62	206	168	194
Unit 4	4.57	95.08	197	176	195
Unit 5	4.31	90.18	192	168	172
	15.72	310.48			657
Uran					
All Units	14.62	309.85	636	578	600
	14.62	309.85			600
Koyna					
Stage 1-2	2.47	31.42	310	30	600
Stage 4	3.72	46.77	676	0	250
Koyna 12&4 Total	6.19	78.19			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.13	23.62	226	0	320
	7.32	101.82			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.55	0	0	0
TILLARI	0.27	8.68	60	0	60
BHTGR/VEER	0.48	7.60	20	20	22
BHIRA T.R.	0.25	7.50	42	0	80
RNGR+BHTSA	0.22	2.37	15	0	0
BHANDARDRA	0.00	0.33	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	1.16	10	0	0
GHATGHAR	0.20	5.64	120	0	0
	1.47	33.83			162
PENCH (MS)					
Pench (MS)	1.21	11.74	53	33	
	1.21	11.74			
Wind					
MalharPeth	0.06	5.63			
Vankuswadi	0.24	12.65			
ATIT	0.21	2.77			
Kale	0.02	1.23			
Satara	0.11	6.15			
Shirala	0.05	3.88			
K Mahankal	0.06	6.28			
Supa	0.14	2.07			
Vita	0.46	22.38			
Dondaicha	1.64	62.53			
Sakri	0.27	10.46			
Nandurbar	0.30	8.59			
Khadakale	0.08	6.74			
Khaparale	0.33	7.75			
	3.98	159.11			
Dabhol					
RGPP L II	21.82	473.78	913	906	900
RGPP L III	0.00	0.00	0	0	
	21.82	473.78			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.12	230.55	505	500	500
Trombay 6	11.17	225.84	510	260	500
Trombay 7A	2.64	47.42	119	94	120
Trombay 7B	1.54	14.77	68	60	60
Trombay 8	2.97	68.47	126	120	125
TATA Hydro	2.48	66.31	233	0	447
	32.91	653.38			1752
REL					
1&2	12.59	265.01	527	522	500
	12.59	265.01			500
Cent Sect					
Share					3360
					3360

MS PG CL	Thermal	114.72	2246.31		4787
	Thml+Gas	129.34	2556.16		5387
	Hydro	8.79	135.64		1332
	Total	138.13	2691.81		6719
State Total		210.65	4254.81		13231

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	4624	287	593	5504	912	222	3364	3171	-151	-109	9753	1385	11138	1932	13070	49.03
2	4584	105	598	5287	912	195	3250	3168	-32	12	9627	1432	11059	1769	12828	49.07
3	4605	70	612	5287	912	212	3250	3068	-32	14	9546	1318	10864	1670	12534	49.26
4	4615	70	620	5305	909	213	3250	3017	-32	5	9502	1512	11014	1627	12641	49.37
5	4608	90	613	5311	912	201	3252	3099	-32	5	9581	1604	11185	1599	12784	49.24
6	4725	155	614	5494	913	209	3252	3154	-32	-4	9809	1807	11616	1687	13303	49.24
7	4739	165	620	5524	913	213	3250	2833	-32	-12	9518	2798	12316	1754	14070	49.51
8	4754	64	634	5452	912	215	3257	2809	-32	-8	9433	3092	12525	1811	14336	49.60
9	4753	73	614	5440	912	177	3350	3195	-127	-8	9769	2926	12695	1877	14572	49.39
10	4771	121	608	5500	906	186	3317	3383	-177	-157	9851	2861	12712	2229	14941	49.46
11	4792	334	591	5717	906	158	3502	3432	-372	-351	9895	2812	12707	2402	15109	49.29
12	4828	681	591	6100	907	85	3549	3611	-410	-376	10380	2630	13010	2435	15445	49.33
13	4801	784	578	6163	910	73	3547	3507	-410	-384	10322	2510	12832	2436	15268	49.17
14	4803	640	582	6025	909	84	3546	3511	-410	-393	10189	2614	12803	2387	15190	49.31
15	4790	339	582	5711	910	100	3546	3433	-410	-386	9821	2732	12553	2426	14979	49.30
16	4796	74	596	5466	906	95	3616	3615	-491	-454	9681	3047	12728	2428	15156	49.49
17	4726	137	610	5473	907	143	3569	3698	-444	-405	9866	2760	12626	2355	14981	49.55
18	4781	314	616	5711	907	126	3539	3686	-437	-401	10082	2495	12577	2348	14925	49.53
19	4865	1100	616	6581	908	158	3445	3546	-417	-389	10857	2825	13682	2396	16078	49.49
20	4931	1230	617	6778	908	180	3606	3505	-490	-445	10979	2939	13918	2495	16413	49.50
21	5030	829	631	6490	907	193	3560	3607	-442	-399	10851	2717	13568	2396	15964	49.50
22	4951	541	636	6128	908	191	3496	3540	-377	-332	10488	2752	13240	2257	15497	49.32
23	4931	360	632	5923	907	180	3451	3359	-332	-283	10139	2499	12638	2179	14817	49.25
24	4883	223	616	5722	908	172	3370	3299	-253	-201	9953	1731	11684	2074	13758	49.23
MUs	114.69	8.79	14.62	138.09	21.82	3.98	82.13	80.25	-6.37	-5.46	239.89	57.80	297.69	50.97	348.66	49.35

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/Sep/2009

Position as on 6.30 Hrs of 22/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	27/09/2009
Bhusawal Unit 2	210	02/09/2009	10.08		Continued.	Annual Overhaul.	07/10/2009
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
Khaparkheda Unit 3	210	19/09/2009	07:52	21/09/2009	17.25	B.T.L.	
Koradi Unit 5	200	19/09/2009	22:04	21/09/2009	09.12	I.D. Fan problem.	23/09/2009

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

Position as on 6.30 Hrs of 22/Sep/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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	21/09/2009	15.04	Hand Tripped for Over Voltage.
Kolhapur-Mapusa Ckt I	22/09/2009	03.43		Continued.	H/T for O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
Seoni - Wardha	01/09/2009	01.44	21/09/2009	14.50	Tripped on Over Voltage.
IntraState					
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.
Kolhapur-Sawantwadi	19/09/2009	12:20		Continued.	Breaker over houling, Line on TBC
Bale-Murud	21/09/2009	09.50		Continued.	Replacement of C.T.
Warora-Wardha	21/09/2009	10.46	21/09/2009	19:29	Retrofitting work.
Century Enka - Khadki	21/09/2009	10.57	21/09/2009	14.27	Retrofitting work.
Mahape-Tifil	21/09/2009	12.00	21/09/2009	15.45	Replacement of Hardware of Insulator.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Kalwa-Padgha CKT I	21/09/2009	12.52	21/09/2009	14.29	To attend hot spot.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Khaparkheda - Kanhan - II	21/09/2009	09.25	21/09/2009	18.14	To attend hot spot.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	19/09/2009	01:03		Continued.	H/T to increase load on Akola ICT.
Voltage Level : 220KV			Outage Type TRIPPED		
PEDAMBE-MAHAD	21/09/2009	14.34	21/09/2009	16.22	Tripped on Distance protection.
Nasik - Ghatghar	21/09/2009	17.14	21/09/2009	18.43	Distance protection.
Jindal-Ghatghar	21/09/2009	17.15	21/09/2009	19.00	Tripped on distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Amravati - Achalpur	21/09/2009	17.45	21/09/2009	17.51	Tripped on distance protection.
Amravati - Akola	21/09/2009	23.42	22/09/2009	00.01	Tripped on distance protection.
Voltage Level : 100KV			Outage Type TRIPPED		
Kandalgaon - Mhasale	21/09/2009	15:50	21/09/2009	17:20	Tripped on Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/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	70
Unit 5	200	100
Unit 6	210	140
Unit 7	210	120
	1040	570
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	150
Unit 4	210	170
Unit 5	210	170
Unit 6	250	220
	940	750
Chandrapur		
Unit 1	210	165
Unit 2	210	0
Unit 3	210	165
Unit 4	210	210
Unit 5	500	450
Unit 6	500	425
Unit 7	500	425
	2340	1840
Paras		
Unit 2	55	20
Unit 3	250	200
	305	220
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	180
Unit 4	210	210
	840	780
Nasik		
Unit 1	120	0
Unit 2	120	90
Unit 3	210	178
Unit 4	210	192
Unit 5	210	170
	870	630
Uran		
All Units	852	600
	852	600
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	20
BHIRA T.R.	80	42
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	137
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	897
RGPL III	740	
	1700	897
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	110
Trombay 7B	60	70
Trombay 8	250	125
TATA Hydro	444	447
	2024	1752
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3478
	3143	3478

	17616	13564
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