



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Sep/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.933	1569.079	1) Madhya Pradesh	45.610	777.905
2) Hydro	8.176	73.638	2) Gujrat	30.751	277.965
3) Gas	14.840	222.974	3) Goa	-6.140	-85.174
Total MSGENCO	139.949	1865.691	4) TAPS 1&2 (Inj.)	7.262	109.012
B) OTHERS			5) Pench (Excess)	-0.016	-2.582
1) RGPPL Gas	23.020	344.323	# Total Cent. Sector	77.467	1077.126
2) Wind Generation	4.298	134.867	F) Other Exchanges		
3) PENCH (MS)	0.962	5.017	1) With TPCL	-7.940	-92.904
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.770	412.830	1) MSEDCL Bilateral	5.347	78.086
2) TPCL Hydro	4.519	44.569	Include PX	0.000	2.941
TOTAL TPCL	32.289	457.399	2) MUMBAI Bilateral	8.193	104.016
3) REL Thermal	12.585	189.559	Include PX	0.143	0.376
D) STATE			3) MUMBAI Schedule	8.193	105.841
1) Thermal (A1+C1+C3)	157.288	2171.468	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	13.657	123.224	1) MSEDCL	237.756	3334.120
3) Gas (A3+B1)	37.860	567.297	2) TPCL	34.581	488.876
4) Wind (B2)	4.298	134.867	3) REL	18.130	250.808
TOTAL STATE	213.103	2996.856	TOTAL STATE	290.467	4073.804

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	4829	5067	4744
MSGENCO Hydro	397	1267	48
MSGENCO Gas	600	614	642
MSGENCO Total Generation	5826	6948	5434
Central Sector Receipt	3643	3370	2744
RGPPL	957	961	961
WIND	86	273	226
Exchange with TPCL	-623	-370	-62
MSEDCL DEMAND MET	9912	11235	9329
Load Shedding	1123	2075	164
MSEDCL DEMAND (INCL. LS)	11035	13310	9493
TPCL GENERATION	1583	1645	930
REL GENERATION	525	522	526
TPCL+REL DEMAND	2731	2537	1518
STATE DEMAND MET	12643	13772	10847
STATE DEMAND (INCL. LS)	13766	15847	11011
Frequency (Hz)	49.73	49.66	49.85
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2711 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			29.37 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.3 Hz at 10:03 Hrs	49.18 Hz at 21:35 Hrs	49.72	0 % 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/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	1.69	17.37	74	65	70
Unit 3	1.62	14.13	75	59	60
Unit 4	1.76	20.96	80	62	75
Unit 5	2.86	28.06	137	74	120
Unit 6	2.91	44.63	140	105	125
Unit 7	3.04	27.10	153	108	125
	13.88	152.25			575
Bhusawal					
Unit 1	1.08	13.38	56	31	45
Unit 2	0.00	5.17	0	0	0
Unit 3	4.07	62.00	193	136	185
	5.15	80.55			230
Parli					
Unit 1	0.56	8.66	25	21	20
Unit 2	0.59	8.74	26	21	20
Unit 3	3.93	55.51	178	138	170
Unit 4	4.07	47.27	193	132	170
Unit 5	3.92	59.11	176	155	170
Unit 6	5.03	65.00	230	170	220
	18.10	244.28			770
Chandrapur					
Unit 1	3.93	53.13	170	153	160
Unit 2	0.00	13.65	0	0	0
Unit 3	3.92	49.98	178	156	210
Unit 4	4.88	65.89	210	199	210
Unit 5	8.83	118.23	406	330	450
Unit 6	8.87	111.56	426	304	425
Unit 7	9.28	116.52	438	358	450
	39.71	528.97			1905
Paras					
Unit 2	0.68	7.81	34	15	40
Unit 3	4.81	56.81	215	162	190
	5.49	64.62			230
Khaparkheda					
Unit 1	4.82	68.76	208	180	200
Unit 2	4.24	66.27	192	144	190
Unit 3	4.59	71.86	213	143	210
Unit 4	5.06	72.54	215	203	210
	18.70	279.45			810
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.16	31.05	98	80	90
Unit 3	4.72	55.28	209	183	190
Unit 4	4.61	68.25	200	190	185
Unit 5	4.40	64.39	192	175	180
	15.89	218.96			645
Uran					
All Units	14.84	222.97	652	593	600
	14.84	222.97			600
Koyna					
Stage 1-2	1.06	18.38	130	30	525
Stage 4	4.29	16.84	602	0	250
Koyna 12&4 Total	5.35	35.23			775

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.48	13.86	302	0	240
	6.83	49.09			1015
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.52	0	0	0
TILLARI	0.33	6.84	60	0	60
BHTGR/VEER	0.12	5.42	5	5	20
BHIRA T.R.	0.37	5.26	82	0	80
RNGR+BHTSA	0.07	1.42	3	3	8
BHANDARDRA	0.00	0.29	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.87	10	0	10
GHATGHAR	0.40	3.95	125	0	0
	1.35	24.55			178
PENCH (MS)					
Pench (MS)	0.96	5.02	53	23	0
	0.96	5.02			0
Wind					
MalharPeth	0.15	5.07			
Vankuswadi	0.29	11.04			
ATIT	0.06	2.22			
Kale	0.02	1.10			
Satara	0.09	5.27			
Shirala	0.08	3.40			
K Mahankal	0.01	5.72			
Supa	0.10	1.57			
Vita	0.52	18.98			
Dondaicha	1.92	52.48			
Sakri	0.33	8.84			
Nandurbar	0.32	6.90			
Khadakale	0.24	5.36			
Khaparale	0.19	6.91			
	4.30	134.87			
Dabhol					
RGPP L II	23.02	344.32	962	956	900
RGPP L III	0.00	0.00	0	0	
	23.02	344.32			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.62	164.36	460	430	500
Trombay 6	10.50	157.96	510	180	500
Trombay 7A	2.31	33.49	113	88	100
Trombay 7B	1.44	6.09	65	57	90
Trombay 8	2.90	50.93	126	115	100
TATA Hydro	4.52	44.57	431	0	447
	32.29	457.40			1737
REL					
1&2	12.58	189.56	527	522	500
	12.58	189.56			500
Cent Sect					
Share					3358
					3358

MS PG CL	Thermal	116.93	1569.08		5165
	Thml+Gas	131.77	1792.05		5765
	Hydro	8.18	73.64		1193
	Total	139.95	1865.69		6958
State Total		213.10	2996.86		13453

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	4841	71	627	5539	962	208	3037	2800	-79	-66	9496	523	10019	1789	11808	49.59
2	4820	43	639	5502	962	203	3027	2767	-79	-69	9418	498	9916	1585	11501	49.78
3	4744	48	642	5434	961	226	3018	2744	-79	-62	9329	164	9493	1518	11011	49.85
4	4776	48	633	5457	962	239	3015	2708	-79	-61	9332	202	9534	1495	11029	49.61
5	4744	48	638	5430	962	225	3015	2934	-79	-63	9515	214	9729	1498	11227	49.73
6	4747	48	636	5431	962	183	3015	3281	-79	-60	9824	430	10254	1573	11827	49.66
7	4851	105	651	5607	961	183	2962	3055	-79	-64	9769	1062	10831	1693	12524	49.93
8	4883	43	652	5578	961	145	3035	3016	-42	-126	9601	880	10481	1921	12402	49.93
9	4948	90	641	5679	960	132	3133	3055	-151	-143	9710	1088	10798	2080	12878	49.89
10	4912	159	627	5698	958	113	3492	3459	-505	-498	9756	1220	10976	2430	13406	49.87
11	4893	164	610	5667	958	97	3587	3409	-616	-609	9545	1372	10917	2666	13583	49.82
12	4829	397	600	5826	957	86	3587	3643	-616	-623	9912	1123	11035	2731	13766	49.73
13	4785	266	594	5645	956	96	3586	3763	-616	-613	9870	1173	11043	2678	13721	49.61
14	4738	302	596	5636	956	119	3586	3651	-616	-610	9804	1244	11048	2611	13659	49.71
15	4770	383	594	5747	958	205	3593	3338	-616	-618	9679	1506	11185	2650	13835	49.69
16	4790	338	610	5738	958	348	3592	3196	-616	-616	9673	1536	11209	2666	13875	49.93
17	4825	318	612	5755	958	243	3571	3304	-616	-606	9707	1454	11161	2656	13817	49.91
18	4788	331	613	5732	957	250	3416	3480	-495	-478	9994	1242	11236	2543	13779	49.82
19	4948	561	604	6113	956	186	3258	3675	-420	-397	10586	1744	12330	2503	14833	49.58
20	5067	1267	614	6948	961	273	3299	3370	-374	-370	11235	2075	13310	2537	15847	49.66
21	5104	1140	614	6858	959	169	3301	3417	-374	-344	11112	1933	13045	2455	15500	49.58
22	5083	822	593	6498	959	158	3310	3324	-374	-334	10658	1953	12611	2322	14933	49.39
23	5073	750	596	6419	958	115	3268	3102	-332	-295	10352	1598	11950	2180	14130	49.41
24	4974	434	604	6012	958	96	3110	2976	-265	-215	9879	1237	11116	2034	13150	49.48
MUs	116.93	8.18	14.84	139.95	23.02	4.30	78.81	77.47	-8.19	-7.94	237.76	27.47	265.23	52.81	318.04	49.72

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/Sep/2009

Position as on 6.30 Hrs of 16/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	18/09/2009
Koyna Unit 11	80	25/07/2009	15.30	15/09/2009	14.10	To attend Stator Earth Fault	25/09/2009
Cent_Sect NTPC(K-1)	210	27/08/2009	23.55		Continued.	AOH	28/09/2009
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
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 Unit 6	75	11/09/2009	07.05		Continued.	Attending injector problem	

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

Position as on 6.30 Hrs of 16/Sep/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		
Mudshingi-Ponda	13/09/2009	08.35		Continued.	Tower Errection Work completed.Line tripped while charging at 18.10HRS on 15.09.09.
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 - Padgha Pole -I	04/09/2009	06:49		Continued.	Capacitor replacement.
Chandrapur-Padaghe Pole - II	14/09/2009	14.51		Continued.	Annual Maintenance Work.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV TBC At Kolhapur	15/09/2009	10.40		Continued.	TBC Breaker Overhauling.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Nasik TBC	28/08/2009	08.45		Continued.	Breaker replacement.
220/100 KV,125 MVA ICT-III at Trombay S/S.	31/08/2009	09.32		Continued.	Replacement of Relay Panels & Control Panels.
Pirangut-Hinjewadi	10/09/2009	08.25	15/09/2009	18.50	Erection of New Tower
Talangade - Mumewadi	13/09/2009	09.01		Continued.	Tower Errection Work completed.Line tripped while charging at 18.01HRS on 15.09.09.
Main Bus II at Versova	15/09/2009	07.05	15/09/2009	17.50	Crimping and Jumpering work.
Mudsingi-Karad II	15/09/2009	08.35	15/09/2009	18.20	Cut point jumper crimping.
Mudsingi-Karad-I	15/09/2009	08.37	15/09/2009	18.16	Cut point jumper crimping.
Nasik - Ghatghar	15/09/2009	08.45	15/09/2009	16.07	Testing work.
220/100 KV,200 MVA ICT-IV At Apta	15/09/2009	10.32	15/09/2009	18.04	R.M. Work.
220/132 KV,100MVA ICT-II At Padegaon.	15/09/2009	11.30	15/09/2009	17.30	Measuring of WDG resistance.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Yawal-Deepnagar	15/09/2009	07.28	15/09/2009	17.23	CB Replacement work.
Pachora-Chalisgaon Ckt.II.	15/09/2009	09.30	15/09/2009	16.30	CB Overhauling work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur CKT II	15/09/2009	01.56	15/09/2009	08.15	Hand Tripped for Over Voltage.
Karad-Kolhapur-II	15/09/2009	23.40		Continued.	H/T for O/V
Voltage Level : 220KV			Outage Type TRIPPED		
New Paras TPS - Chikhali - I	13/09/2009	22.27	15/09/2009	00.22	Y ph C T Burst @ Chikhli.
220/132kv,200 MVA ICT-II at Nagar.	14/09/2009	19.38	15/09/2009	22.55	Y Ph C.T.Burst.
Bblswr-Anagar Ckt.II	15/09/2009	04.22	15/09/2009	04.57	Tripped,Distance Protection,R Ph to Earth,Zone-1.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Sep/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	75
Unit 3	105	65
Unit 4	105	70
Unit 5	200	140
Unit 6	210	135
Unit 7	210	140
	1040	625
Bhusawal		
Unit 1	58	45
Unit 2	210	0
Unit 3	210	180
	478	225
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	170
Unit 4	210	170
Unit 5	210	170
Unit 6	250	220
	940	770
Chandrapur		
Unit 1	210	165
Unit 2	210	0
Unit 3	210	160
Unit 4	210	210
Unit 5	500	400
Unit 6	500	400
Unit 7	500	450
	2340	1785
Paras		
Unit 2	55	20
Unit 3	250	200
	305	220
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	190
Unit 4	210	190
Unit 5	210	170
	870	640
Uran		
All Units	852	600
	852	600
Koyna		
Stage 1-2	600	525
Stage 4	1000	250
Stage 3	320	320
	1920	1095
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	3
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	148
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		
RGPL II	960	900
RGPL III	740	
	1700	900
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	100
Trombay 8	250	100
TATA Hydro	444	447
	2024	1747
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3487
	3143	3487

	17616	13552
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