



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Oct/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Oct/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.948	1620.542	1) Madhya Pradesh	52.917	772.154
2) Hydro	7.893	84.908	2) Gujrat	23.432	210.417
3) Gas	15.384	202.740	3) Goa	-7.098	-96.390
Total MSGENCO	149.225	1908.190	4) TAPS 1&2 (Inj.)	7.215	101.179
B) OTHERS			5) Pench (Excess)	-1.031	-7.752
1) RGPPL Gas	22.730	304.790	# Total Cent. Sector	75.435	979.608
2) Wind Generation	0.889	96.607	F) Other Exchanges		
3) PENCH (MS)	1.031	7.752	1) With TPCL	-7.472	-128.111
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	32.072	374.668	1) MSEDCL Bilateral	1.796	22.911
2) TPCL Hydro	1.813	22.964	Include PX	0.000	0.000
TOTAL TPCL	33.885	397.632	2) MUMBAI Bilateral	8.589	139.056
3) REL Thermal	12.560	175.474	Include PX	-0.493	12.531
D) STATE			3) MUMBAI Schedule	8.589	142.381
1) Thermal (A1+C1+C3)	170.580	2170.684	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	10.737	115.624	1) MSEDCL	241.838	3168.836
3) Gas (A3+B1)	38.114	507.530	2) TPCL	35.621	458.485
4) Wind (B2)	0.889	96.607	3) REL	18.296	242.706
TOTAL STATE	220.320	2890.445	TOTAL STATE	295.755	3870.027

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	5044	5268	5260
MSGENCO Hydro	389	1308	136
MSGENCO Gas	623	638	662
MSGENCO Total Generation	6056	7214	6058
Central Sector Receipt	3746	3565	1791
RGPPL	952	962	961
WIND	35	38	38
Exchange with TPCL	-717	-588	251
MSEDCL DEMAND MET	10122	11244	9149
Load Shedding	2257	2604	0
MSEDCL DEMAND (INCL. LS)	12379	13848	9149
TPCL GENERATION	1540	1570	1229
REL GENERATION	524	521	521
TPCL+REL DEMAND	2781	2679	1499
STATE DEMAND MET	12903	13923	10648
STATE DEMAND (INCL. LS)	15160	16527	10648
Frequency (Hz)	49.52	49.68	49.74
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3507 MW At 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			41.83 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.08 Hz at 13.05 Hrs	48.94 Hz at 18.40 Hrs	49.6	.19 % 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 14/Oct/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.51	18.55	82	37	75
Unit 2	1.54	16.40	72	42	60
Unit 3	1.51	14.24	78	35	60
Unit 4	0.00	8.33	0	0	0
Unit 5	3.96	36.36	172	150	170
Unit 6	3.67	43.19	164	143	140
Unit 7	4.14	46.65	186	140	180
	16.33	183.71			685
Bhusawal					
Unit 1	1.15	14.50	53	42	50
Unit 2	0.43	5.71	154	0	0
Unit 3	4.12	49.35	195	0	190
	5.70	69.55			240
Parli					
Unit 1	0.58	7.03	26	23	25
Unit 2	0.58	6.28	25	23	25
Unit 3	3.59	41.73	172	112	160
Unit 4	4.29	56.26	198	145	190
Unit 5	4.03	54.08	178	152	170
Unit 6	4.70	70.04	210	180	200
	17.77	235.42			770
Chandrapur					
Unit 1	3.78	52.81	164	150	170
Unit 2	3.79	33.80	180	141	150
Unit 3	4.07	58.71	181	151	180
Unit 4	4.73	63.52	201	190	200
Unit 5	9.90	128.76	435	393	450
Unit 6	9.47	120.87	436	151	425
Unit 7	10.08	135.76	440	394	450
	45.82	594.23			2025
Paras					
Unit 2	0.00	4.72	0	0	0
Unit 3	4.53	59.24	210	164	210
	4.53	63.95			210
Khaparkheda					
Unit 1	4.82	60.30	206	188	185
Unit 2	4.18	56.38	188	137	170
Unit 3	5.05	54.94	214	205	210
Unit 4	4.03	64.55	210	0	215
	18.07	236.18			780
Nasik					
Unit 1	2.10	27.48	92	80	90
Unit 2	2.18	22.93	95	80	90
Unit 3	4.66	64.61	203	186	200
Unit 4	4.51	62.05	192	185	185
Unit 5	4.28	60.43	186	158	180
	17.73	237.50			745
Uran					
All Units	15.38	202.74	664	619	630
	15.38	202.74			630
Koyna					
Stage 1-2	1.61	22.48	200	35	600
Stage 4	3.53	21.19	1015	0	250
Kovna 12&4 Total	5.14	43.67			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.96	12.17	240	0	320
	6.11	55.84			1170
Hydro					
KDPH	0.36	6.12	38	0	36
VTRNA	0.00	0.12	0	0	0
TILLARI	0.37	7.07	60	0	60
BHTGR/VEER	0.07	3.00	3	3	8
BHIRA T.R.	0.09	2.51	41	0	40
RNGR+BHTSA	0.24	2.65	18	3	15
BHANDARDRA	0.33	4.11	52	0	15
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.81	10	0	10
GHATGHAR	0.26	2.68	80	0	0
	1.78	29.07			184
PENCH (MS)					
Pench (MS)	1.03	7.75	53	27	
	1.03	7.75			
Wind					
MalharPeth	0.04	5.49			
Vankuswadi	0.16	9.42			
ATIT	0.02	3.58			
Kale	0.04	2.26			
Satara	0.05	8.58			
Shirala	0.01	3.79			
K Mahankal	0.00	2.33			
Supa	0.06	1.99			
Vita	0.23	16.16			
Dondaicha	0.08	24.47			
Sakri	0.01	4.44			
Nandurbar	0.01	3.22			
Khadakale	0.07	5.17			
Khaparale	0.00	5.61			
	0.79	96.51			
Dabhol					
RGPP L II	22.73	304.79	962	728	900
RGPP L III		0.00			
	22.73	304.79			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.88	126.34	495	495	500
Trombay 6	10.89	136.48	510	260	500
Trombay 7A	2.86	37.40	122	116	110
Trombay 7B	1.59	21.27	67	65	110
Trombay 8	4.85	53.16	245	181	160
TATA Hydro	1.81	22.96	203	0	447
	33.88	397.63			1827
REL					
1&2	12.56	175.47	527	521	500
	12.56	175.47			500
Cent Sect					
Share					3394
					3394

MS PG CL	Thermal	125.95	1620.54		5455
	Thml+Gas	141.33	1823.28		6085
	Hydro	7.89	84.91		1354
	Total	149.22	1908.19		7439
State Total		220.32	2890.44		14060

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/Oct/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	5272	99	656	6027	961	32	2623	2196	6	36	9302	277	9579	1816	11395	49.64
2	5252	99	657	6008	959	33	2413	1890	191	248	9188	0	9188	1648	10836	49.52
3	5254	141	661	6056	961	35	2415	1818	191	249	9169	0	9169	1551	10720	49.65
4	5260	136	662	6058	961	38	2422	1791	191	251	9149	0	9149	1499	10648	49.74
5	5264	134	664	6062	961	37	2431	2130	191	250	9490	0	9490	1473	10963	49.80
6	5289	119	656	6064	960	33	2378	2485	256	321	9913	348	10261	1508	11769	49.51
7	5379	154	656	6189	960	33	2368	2545	262	325	10079	773	10852	1609	12461	49.57
8	5400	99	654	6153	960	33	2579	2951	168	227	10351	774	11125	1756	12881	49.55
9	5328	170	652	6150	959	37	2911	3232	-161	-125	10280	1337	11617	2072	13689	49.64
10	5180	200	647	6027	958	41	3279	3415	-527	-486	9982	1981	11963	2457	14420	49.73
11	5142	206	631	5979	954	40	3499	3663	-750	-717	9969	2288	12257	2704	14961	49.51
12	5044	389	623	6056	952	35	3497	3746	-750	-717	10122	2257	12379	2781	15160	49.52
13	5079	326	620	6025	951	36	3532	3637	-750	-725	9974	2349	12323	2802	15125	49.60
14	5163	411	623	6197	958	36	3507	3583	-750	-724	10100	2396	12496	2708	15204	49.81
15	5166	180	619	5965	945	46	3506	3451	-750	-723	9734	2599	12333	2771	15104	49.47
16	5209	61	624	5894	948	43	3494	3471	-750	-725	9658	2907	12565	2787	15352	49.59
17	5286	76	619	5981	949	39	3495	3653	-750	-728	9921	2709	12630	2761	15391	49.51
18	5103	219	622	5944	956	39	3391	3614	-599	-570	10010	2559	12569	2676	15245	49.41
19	5175	1511	625	7311	959	35	3267	3393	-551	-528	11197	2566	13763	2680	16443	49.36
20	5268	1308	638	7214	962	38	3355	3565	-627	-588	11244	2604	13848	2679	16527	49.68
21	5395	966	639	7000	961	43	3355	3816	-625	-552	11321	2366	13687	2477	16164	49.68
22	5424	500	642	6566	960	44	3353	3892	-623	-552	10963	2391	13354	2355	15709	49.62
23	5430	343	643	6416	947	32	3294	3567	-562	-491	10524	2123	12647	2198	14845	49.49
24	5186	46	651	5883	728	31	3255	3931	-522	-428	10198	1524	11722	2149	13871	49.68
MUs	125.95	7.89	15.38	149.22	22.73	0.89	73.62	75.44	-8.59	-7.47	241.84	39.13	280.97	53.92	334.88	49.60

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 14/Oct/2009

Position as on 6.30 Hrs of 15/Oct/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
Koradi Unit 4	115	07/10/2009	00.06		Continued.	Maintenance work.	13/10/2009
Paras Unit 2	55	11/10/2009	13:29		Continued.	AOH.	05/11/2009
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	13/10/2009	23:02	14/10/2009	20.01	Grand Cooler-II Leakage.	14/10/2009
Khaparkheda Unit 4	210	14/10/2009	08.42	14/10/2009	12.14	Flame failure.	
Bhusawal Unit 3	210	14/10/2009	17.14	14/10/2009	19.09	Low stator water resistivity.	
Dabhol 1X	290	14/10/2009	23.18		Continued.	Gas leakage.	
Dabhol 1A	230	14/10/2009	23.28		Continued.	Gas leakage.	
Chandrapur Unit 6	500	14/10/2009	23.45		Continued.	Boiler Tube Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Oct/2009

Position as on 6.30 Hrs of 15/Oct/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 - I	04/10/2009	22:03		Continued.	H/T to control O/V.
Dhule-Sar'Sarovar II	05/10/2009	03:50		Continued.	H/T FOR O/V.
Kolhapur-Mapusa-II	15/10/2009	00.07		Continued.	H/T for O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Mapusa Ckt I	13/10/2009	22.19	14/10/2009	07.31	H/T For O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV, 315MVA ICT-I @ New Koyna.	14/10/2009	10.35	14/10/2009	15.56	For attending hot spot.
Parli - Lamboti	14/10/2009	11.14	14/10/2009	20.46	Rebilting of R Ph.tension string at cut point Loc.No.157.
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.
BBLSR-A"Nagar II	14/10/2009	08.19	14/10/2009	19.13	Replacement of insulator.
Miraj - Tilwani	14/10/2009	08.35	14/10/2009	17.33	Replacement of Disc insulator.
Bale - Lamboti I	14/10/2009	10.02	14/10/2009	15.55	Q.M. work (Breaker work).
Mudshingi - Peth	14/10/2009	11.28	14/10/2009	19.00	Cut point crimping and jumper replacement work.
Mudshingi - Karad - II	14/10/2009	11.30	14/10/2009	19.03	Jumper replacement work.
Manmad-Ozar	14/10/2009	13.40	14/10/2009	15.50	Y Ph.insulator flashover,disc insulator replacement.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Kalwa-C'chem	14/10/2009	12.43	14/10/2009	16.59	To attend hot spot.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	03/10/2009	21.48		Continued.	H/T to load 400 KV Akola ICT.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pardi-Uppalwadi	01/10/2009	17:14		Continued.	To Control 132kv Ambazari-Mankapur ckt flow.
Pahur - Pachora	14/10/2009	17.26	14/10/2009	20.03	H/T to control the ICT Loading at BSL-II.
Pachora-Chalisgaon Ckt.II.	14/10/2009	17.34	14/10/2009	20.12	H/T to control the ICT loading at BSL-II.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Lamboti	14/10/2009	11.58	14/10/2009	17.40	Tripped on O/V.
Voltage Level : 220KV			Outage Type TRIPPED		
Kanhan - Bhandara - I	13/10/2009	16.36	14/10/2009	00.08	Tripped On Dist.Prot.Y-Ph E/F,at Loc No.163.
Kanhan - Bhandara - I	14/10/2009	16.37	14/10/2009	23.27	Tripped on Distance protection.
KANHAN - BHANDARA CKT II	14/10/2009	18.06	14/10/2009	18.27	Main C.B.problem Line on TBC.
Kalwa-Nasik III	15/10/2009	05.00	15/10/2009	05.38	Tripped on distance protection B-E.
Voltage Level : 132KV			Outage Type TRIPPED		
132/33 KV 25 MVA T/F - I @ Bhusawal	27/09/2009	17.36		Continued.	Transformer Caught Fire.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Oct/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	60
Unit 3	105	60
Unit 4	105	0
Unit 5	200	150
Unit 6	210	150
Unit 7	210	170
	1040	650
Bhusawal		
Unit 1	58	50
Unit 2	210	150
Unit 3	210	190
	478	390
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	165
Unit 4	210	180
Unit 5	210	170
Unit 6	250	200
	940	755
Chandrapur		
Unit 1	210	170
Unit 2	210	150
Unit 3	210	180
Unit 4	210	210
Unit 5	500	450
Unit 6	500	0
Unit 7	500	425
	2340	1585
Paras		
Unit 2	55	0
Unit 3	250	200
	305	200
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	810
Nasik		
Unit 1	120	88
Unit 2	120	90
Unit 3	210	172
Unit 4	210	173
Unit 5	210	160
	870	683
Uran		
All Units	852	620
	852	620
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	36
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	8
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	15
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	174
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	600
RGPL III	740	
	1700	600
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	210
TATA Hydro	444	447
	2024	1837
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3528
	3143	3528

	17616	13502
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