



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Oct/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.846	1736.388	1) Madhya Pradesh	55.444	827.598
2) Hydro	16.069	100.977	2) Gujrat	25.011	235.428
3) Gas	14.772	217.512	3) Goa	-6.925	-103.315
Total MSGENCO	146.687	2054.877	4) TAPS 1&2 (Inj.)	7.204	108.383
B) OTHERS			5) Pench (Excess)	-0.848	-8.600
1) RGPPL Gas	15.739	320.529	# Total Cent. Sector	79.886	1059.494
2) Wind Generation	1.102	97.709	F) Other Exchanges		
3) PENCH (MS)	0.848	8.600	1) With TPCL	-7.420	-135.531
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	33.683	408.351	1) MSEDCL Bilateral	-0.740	22.171
2) TPCL Hydro	1.586	24.550	Include PX	0.000	0.000
TOTAL TPCL	35.269	432.901	2) MUMBAI Bilateral	8.088	147.144
3) REL Thermal	12.555	188.029	Include PX	-1.153	11.378
D) STATE			3) MUMBAI Schedule	8.088	150.469
1) Thermal (A1+C1+C3)	162.084	2332.768	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	18.503	134.127	1) MSEDCL	236.842	3405.678
3) Gas (A3+B1)	30.511	538.041	2) TPCL	36.572	495.057
4) Wind (B2)	1.102	97.709	3) REL	18.669	261.375
TOTAL STATE	212.200	3102.645	TOTAL STATE	292.083	4162.110

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	5016	4727	4895
MSGENCO Hydro	958	1501	54
MSGENCO Gas	603	624	624
MSGENCO Total Generation	6577	6852	5573
Central Sector Receipt	3560	4231	2735
RGPPL	648	655	658
WIND	56	40	40
Exchange with TPCL	-748	-526	281
MSEDCL DEMAND MET	10113	11306	9340
Load Shedding	2670	2998	1431
MSEDCL DEMAND (INCL. LS)	12783	14304	10771
TPCL GENERATION	1479	1683	1337
REL GENERATION	522	518	523
TPCL+REL DEMAND	2749	2727	1579
STATE DEMAND MET	12862	14033	10919
STATE DEMAND (INCL. LS)	15532	17031	12350
Frequency (Hz)	49.39	49.68	49.68
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4170 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			75.64 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.24 Hz at 05.04 Hrs	49.01 Hz at 17.37 Hrs	49.56	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/Oct/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.37	19.92	80	0	60
Unit 2	1.46	17.86	73	34	60
Unit 3	1.56	15.80	77	50	60
Unit 4	0.62	8.95	77	0	0
Unit 5	3.83	40.18	178	124	150
Unit 6	3.68	46.87	162	142	150
Unit 7	4.20	50.86	189	157	170
	16.73	200.44			650
Bhusawal					
Unit 1	1.08	15.57	52	35	50
Unit 2	3.95	9.66	182	144	150
Unit 3	4.08	53.44	188	132	190
	9.11	78.67			390
Parli					
Unit 1	0.58	7.60	27	21	20
Unit 2	0.57	6.84	26	22	20
Unit 3	3.61	45.34	175	117	165
Unit 4	4.19	60.46	190	152	180
Unit 5	3.97	58.05	172	149	170
Unit 6	4.83	74.87	215	181	200
	17.74	253.17			755
Chandrapur					
Unit 1	3.79	56.61	166	144	170
Unit 2	3.17	36.97	156	125	150
Unit 3	4.30	63.02	191	163	180
Unit 4	4.80	68.32	205	190	210
Unit 5	9.69	138.44	442	338	450
Unit 6	0.00	120.87	0	0	0
Unit 7	5.58	141.34	433	0	425
	31.34	625.57			1585
Paras					
Unit 2	0.00	4.72	0	0	0
Unit 3	4.21	63.45	205	0	200
	4.21	68.16			200
Khaparkheda					
Unit 1	4.80	65.10	208	192	200
Unit 2	4.35	60.73	194	164	190
Unit 3	5.07	60.01	214	202	210
Unit 4	4.97	69.52	214	196	210
	19.19	255.36			810
Nasik					
Unit 1	2.06	29.54	94	70	88
Unit 2	2.16	25.10	99	82	90
Unit 3	4.56	69.16	205	170	172
Unit 4	4.53	66.58	200	177	173
Unit 5	4.22	64.64	190	156	160
	17.52	255.02			683
Uran					
All Units	14.77	217.51	633	589	620
	14.77	217.51			620
Koyna					
Stage 1-2	3.49	25.98	425	40	600
Stage 4	8.42	29.61	1012	0	250
Kovna 12&4 Total	11.91	55.58			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.93	15.09	320	0	320
	14.84	70.67			1170
Hydro					
KDPH	0.00	6.12	0	0	36
VTRNA	0.00	0.12	0	0	0
TILLARI	0.40	7.47	58	0	60
BHTGR/VEER	0.07	3.07	3	3	8
BHIRA T.R.	0.13	2.64	42	0	40
RNGR+BHTSA	0.24	2.89	16	0	15
BHANDARDRA	0.00	4.11	0	0	15
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.81	0	0	0
GHATGHAR	0.38	3.07	125	0	0
	1.23	30.30			174
PENCH (MS)					
Pench (MS)	0.85	8.60	54	10	
	0.85	8.60			
Wind					
MalharPeth	0.08	5.57			
Vankuswadi	0.22	9.64			
ATIT	0.05	3.63			
Kale	0.03	2.28			
Satara	0.13	8.71			
Shirala	0.08	3.87			
K Mahankal	0.02	2.35			
Supa	0.05	2.04			
Vita	0.31	16.47			
Dondaicha	0.00	24.47			
Sakri	0.02	4.45			
Nandurbar	0.00	3.22			
Khadakale	0.13	5.29			
Khaparale	0.01	5.62			
	1.10	97.61			
Dabhol					
RGPP L II	15.74	320.53	677	646	600
RGPP L III	0.00	0.00	0	0	
	15.74	320.53			600
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.00	138.34	500	500	500
Trombay 6	11.28	147.76	510	310	500
Trombay 7A	2.84	40.24	121	115	120
Trombay 7B	1.58	22.86	67	65	60
Trombay 8	5.98	59.14	253	244	210
TATA Hydro	1.59	24.55	241	0	447
	35.27	432.90			1837
REL					
1&2	12.56	188.03	527	518	500
	12.56	188.03			500
Cent Sect					
Share					3528
					3528

MS PG CL	Thermal	115.85	1736.39		5073
	Thml+Gas	130.62	1953.90		5693
	Hydro	16.07	100.98		1344
	Total	146.69	2054.88		7037
State Total		212.20	3102.64		13502

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	4916	94	616	5626	657	27	2527	3401	2	39	9803	1401	11204	1924	13128	49.59
2	4882	74	620	5576	657	28	2295	3020	211	244	9578	1438	11016	1764	12780	49.53
3	4899	49	624	5572	658	35	2248	2809	258	306	9434	1299	10733	1632	12365	49.65
4	4895	54	624	5573	658	40	2274	2735	233	281	9340	1431	10771	1579	12350	49.68
5	4922	66	626	5614	658	46	2316	2874	191	235	9454	1475	10929	1624	12553	49.71
6	4965	333	623	5921	658	57	2250	2983	258	305	9951	1668	11619	1631	13250	49.57
7	5000	192	623	5815	660	61	2244	2280	258	293	9136	2882	12018	1730	13748	49.56
8	5080	49	628	5757	660	54	2547	2449	70	97	9044	3265	12309	1831	14140	49.85
9	5071	78	618	5767	656	49	2712	2711	-95	-57	9153	3111	12264	2091	14355	49.64
10	5042	166	608	5816	651	56	3077	3312	-460	-422	9433	3315	12748	2473	15221	49.53
11	5020	373	601	5994	646	55	3347	3239	-733	-692	9295	3062	12357	2734	15091	49.36
12	5016	958	603	6577	648	56	3360	3560	-750	-748	10113	2670	12783	2749	15532	49.39
13	4986	880	605	6471	649	64	3349	3354	-750	-741	9817	2568	12385	2758	15143	49.41
14	4773	985	601	6359	649	55	3342	3463	-750	-749	9797	2669	12466	2687	15153	49.52
15	4624	1074	596	6294	647	55	3270	3502	-683	-678	9830	2885	12715	2705	15420	49.46
16	4655	695	589	5939	647	48	3225	3521	-683	-677	9488	3143	12631	2745	15376	49.50
17	4690	864	596	6150	646	40	3221	3445	-683	-675	9616	3119	12735	2731	15466	49.48
18	4595	1062	610	6267	648	37	3184	3326	-604	-595	9727	2820	12547	2674	15221	49.50
19	4690	1707	622	7019	653	41	3299	3548	-548	-533	10781	2870	13651	2733	16384	49.63
20	4727	1501	624	6852	655	40	3455	4231	-545	-526	11306	2998	14304	2727	17031	49.68
21	4734	1541	625	6900	662	41	3507	4174	-583	-554	11276	2763	14039	2631	16670	49.63
22	4681	1314	628	6623	671	48	3534	4041	-609	-583	10853	2798	13651	2493	16144	49.68
23	4534	1189	629	6352	668	41	3488	3909	-564	-524	10500	2270	12770	2365	15135	49.43
24	4449	776	633	5858	677	28	3417	3999	-527	-466	10122	1668	11790	2233	14023	49.52
MUs	115.85	16.07	14.77	146.69	15.74	1.10	71.49	79.89	-8.09	-7.42	236.85	59.59	296.44	55.24	351.68	49.56

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/Oct/2009

Position as on 6.30 Hrs of 16/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	15/10/2009	12.13	Maintenance work.	
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	
Dabhol 1X	290	14/10/2009	23.18	16/10/2009	01:40	Gas leakage.	
Dabhol 1A	230	14/10/2009	23.28	15/10/2009	20.33	Gas leakage.	
Chandrapur Unit 6	500	14/10/2009	23.45		Continued.	Boiler Tube Leakage.	18/10/2009
Chandrapur Unit 7	500	15/10/2009	13.41		Continued.	Boiler tube leakage.	18/10/2009
Cent_Sect Gandhar U4	224	15/10/2009	15.52	15/10/2009	16.34	Due To Control Valve Problem.	
Koradi Unit 1	105	15/10/2009	22.18		Continued.	Boiler tube leakage.	18/10/2009
Paras Unit 3	250	15/10/2009	22.45		Continued.	Boiler tube leakage.	18/10/2009
Koradi Unit 2	105	15/10/2009	23:40		Continued.	Fire in wind box.	18/10/2009

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

Position as on 6.30 Hrs of 16/Oct/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 - 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	15/10/2009	08.58	H/T for O/V.
Kolhapur-Mapusa Ckt I	15/10/2009	22.53		Continued.	Hand Tripped for Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi-Ponda	15/10/2009	17.15	15/10/2009	19.10	Dist. Prot.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400KV Main Bus-I at Akola	15/10/2009	10.13	15/10/2009	18.45	Testing Work.
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.
KANHAN - BHANDARA CKT II	14/10/2009	18.27	15/10/2009	14.25	B Phase Pole Closing Coil Damaged.
125 Mva Ict III at Kalwa I	15/10/2009	07.03	15/10/2009	10.02	To Attend Hot Spot.
BBLSWR-ANAGAR CKT I	15/10/2009	07.51	15/10/2009	17.42	Replacement of Insulator.
Chandrapur - Warora - II.	15/10/2009	08.11	15/10/2009	16.54	Y Ph C.T. Replacement.
Mudshingi - Peth	15/10/2009	08.20	15/10/2009	18.06	Cut Point Jumper Replacement.
Mudshingi - Karad - II	15/10/2009	08.21	15/10/2009	18.04	Replacement of Disc Insulator.
Miraj - Tilwani	15/10/2009	08.36	15/10/2009	18.05	Replacement of Disc Insulator.
K'gaon-Pirangut	15/10/2009	08.45	15/10/2009	18.31	Replacement of Disc Insulator.
Taloja-OCIL-II	15/10/2009	11.16	15/10/2009	16.25	To Attended Hot Spot.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Paras-Malegaon	15/10/2009	06.00		Continued.	Making LILO Arrangment For 132 KV Patur.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Bhandara-Kanhan ckt-I	15/10/2009	10:55	15/10/2009	13:19	To attend flashover on B ph CT terminal.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	03/10/2009	21.48	15/10/2009	22.41	H/T to load 400 KV Akola ICT.
Warora-Wardha	15/10/2009	08.07	15/10/2009	17.05	Due to Outage of 220 KV Chandrapur-Warora - II.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pardi-Uppalwadi	01/10/2009	17:14		Continued.	To Control 132kv Ambazari-Mankapur ckt flow.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol - Nagothane - I	15/10/2009	11.44	15/10/2009	21.48	Dist Prot.
Voltage Level : 220KV			Outage Type TRIPPED		
Kalwa-Nasik III	15/10/2009	05.00	15/10/2009	05.38	Tripped on distance protection B-E.
Pedambe-Pophali I	15/10/2009	12.00	15/10/2009	17.40	Dist.Prot.
Phinolex-Kharepatan	15/10/2009	12.53	15/10/2009	13.25	Dist.Prot.
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 Line outages/Trippings for 15/Oct/2009

Position as on 6.30 Hrs of 16/Oct/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
null					
Voltage Level : 220KV			Outage Type TRIPPED		
Sahara-B'dying	15/10/2009	15:57	15/10/2009	17:21	Tripped on distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Oct/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	0
Unit 3	105	30
Unit 4	105	35
Unit 5	200	120
Unit 6	210	140
Unit 7	210	140
	1040	465
Bhusawal		
Unit 1	58	50
Unit 2	210	180
Unit 3	210	190
	478	420
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	165
Unit 4	210	185
Unit 5	210	175
Unit 6	250	205
	940	770
Chandrapur		
Unit 1	210	170
Unit 2	210	150
Unit 3	210	200
Unit 4	210	210
Unit 5	500	425
Unit 6	500	0
Unit 7	500	0
	2340	1155
Paras		
Unit 2	55	0
Unit 3	250	0
	305	0
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	810
Nasik		
Unit 1	120	76
Unit 2	120	76
Unit 3	210	182
Unit 4	210	177
Unit 5	210	162
	870	673
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	16
BHIRA T.R.	80	40
RNGR+BHTSA	20	3
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	129
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	900
RGPL III	740	
	1700	900
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	3542
	3143	3542

	17616	7 of 7	12971
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