



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Oct/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Oct/2009 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	108.205	3436.101	1) Madhya Pradesh	61.521	1674.726
2) Hydro	16.834	272.859	2) Gujrat	22.893	625.858
3) Gas	15.331	441.748	3) Goa	-7.241	-208.732
Total MSGENCO	140.370	4150.708	4) TAPS 1&2 (Inj.)	7.214	216.860
B) OTHERS			5) Pench (Excess)	-0.967	-22.322
1) RGPPL Gas	22.889	658.836	# Total Cent. Sector	83.420	2286.390
2) Wind Generation	6.830	135.564	F) Other Exchanges		
3) PENCH (MS)	0.967	23.097	1) With TPCL	-6.104	-212.704
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	22.844	818.063	1) MSEDCL Bilateral	5.919	87.458
2) TPCL Hydro	9.212	78.896	Include PX	0.165	8.950
TOTAL TPCL	32.056	896.959	2) MUMBAI Bilateral	3.498	235.447
3) REL Thermal	12.609	376.282	Include PX	-0.469	14.927
D) STATE			3) MUMBAI Schedule	4.673	240.517
1) Thermal (A1+C1+C3)	143.658	4630.446	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	27.013	374.852	1) MSEDCL	248.372	7041.891
3) Gas (A3+B1)	38.220	1100.584	2) TPCL	33.170	972.634
4) Wind (B2)	6.830	135.564	3) REL	17.599	513.264
TOTAL STATE	215.721	6241.446	TOTAL STATE	299.141	8527.789

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4300	4355	4746
MSGENCO Hydro	1148	1994	51
MSGENCO Gas	608	630	658
MSGENCO Total Generation	6056	6979	5455
Central Sector Receipt	3567	3852	3038
RGPPL	930	953	962
WIND	401	226	227
Exchange with TPCL	-703	-673	314
MSEDCL DEMAND MET	10291	11390	10023
Load Shedding	3684	3730	1334
MSEDCL DEMAND (INCL. LS)	13975	15120	11357
TPCL GENERATION	1329	1362	1287
REL GENERATION	528	520	526
TPCL+REL DEMAND	2560	2555	1499
STATE DEMAND MET	12851	13945	11522
STATE DEMAND (INCL. LS)	16535	17675	12856
Frequency (Hz)	49.33	49.48	49.78
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5111 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			92.23 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.15 Hz at 06.04 Hrs	49 Hz at 17.38 Hrs	49.57	.02 % of Time

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and Mumbai bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 30/Oct/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.59	33.37	84	41	80
Unit 2	1.36	39.18	77	38	70
Unit 3	1.34	40.47	76	35	70
Unit 4	1.48	35.05	80	37	50
Unit 5	2.89	91.66	157	62	130
Unit 6	3.13	97.36	155	104	130
Unit 7	1.27	104.71	142	0	140
	13.07	441.79			670
Bhusawal					
Unit 1	1.09	31.28	52	40	45
Unit 2	3.62	70.90	191	0	180
Unit 3	4.26	116.62	190	160	180
	8.98	218.80			405
Parli					
Unit 1	0.57	16.27	26	22	20
Unit 2	0.55	15.28	24	21	20
Unit 3	2.79	99.04	154	100	110
Unit 4	4.56	117.71	198	177	185
Unit 5	4.21	120.50	180	169	170
Unit 6	5.47	150.34	237	217	220
	18.15	519.15			725
Chandrapur					
Unit 1	3.80	114.24	166	145	165
Unit 2	3.53	77.84	153	135	150
Unit 3	4.19	125.75	205	146	200
Unit 4	4.72	137.63	204	174	210
Unit 5	5.05	215.01	380	0	350
Unit 6	9.81	249.60	430	390	425
Unit 7	9.37	240.62	445	326	380
	40.47	1160.68			1880
Paras					
Unit 2	0.00	4.72	0	0	0
Unit 3	2.90	110.35	205	0	0
	2.90	115.06			0
Khaparkheda					
Unit 1	4.52	126.58	203	166	185
Unit 2	4.64	129.14	200	180	195
Unit 3	0.00	90.62	0	0	0
Unit 4	4.29	142.51	214	157	170
	13.46	488.84			550
Nasik					
Unit 1	0.00	54.17	0	0	0
Unit 2	2.13	56.72	101	72	81
Unit 3	4.82	140.06	209	178	182
Unit 4	0.00	111.81	0	0	0
Unit 5	4.23	129.00	187	165	180
	11.18	491.77			443
Uran					
All Units	15.33	441.75	672	600	630
	15.33	441.75			630
Koyna					
Stage 1-2	5.26	67.68	550	30	600
Stage 4	7.56	111.28	895	0	250
Koyna 12&4 Total	12.82	178.95			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.57	41.25	308	0	320
	15.39	220.20			1170
Hydro					
KDPH	0.00	6.12	0	0	0
VTRNA	0.00	0.12	0	0	0
TILLARI	0.36	12.89	59	0	60
BHTGR/VEER	0.14	4.85	6	6	0
BHIRA T.R.	0.32	5.83	42	0	40
RNGR+BHTSA	0.22	6.98	15	0	11
BHANDARDRA	0.00	4.11	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	1.54	0	0	10
GHATGHAR	0.39	10.22	125	0	0
	1.44	52.66			121
PENCH (MS)					
Pench (MS)	0.97	23.10	54	0	0
	0.97	23.10			0
Wind					
MalharPeth	0.53	7.66			
Vankuswadi	0.84	15.03			
ATIT	0.26	4.91			
Kale	0.15	3.28			
Satara	0.66	11.58			
Shirala	0.35	5.71			
K Mahankal	0.24	3.52			
Supa	0.15	3.09			
Vita	0.98	23.89			
Dondaicha	1.26	30.26			
Sakri	0.27	6.03			
Nandurbar	0.08	3.77			
Khadakale	0.43	8.62			
Khaparale	0.62	8.12			
	6.83	135.46			
Dabhol					
RGPP L II	22.89	658.84	965	930	900
RGPP L III	0.00	0.00	0	0	
	22.89	658.84			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.50	255.28	330	0	0
Trombay 6	12.03	289.57	510	330	500
Trombay 7A	2.70	81.04	124	100	110
Trombay 7B	1.57	44.91	69	63	90
Trombay 8	6.04	147.26	254	250	250
TATA Hydro	9.21	78.90	459	247	447
	32.06	896.96			1397
REL					
1&2	12.61	376.28	528	520	500
	12.61	376.28			500
Cent Sect					
Share					3019
					3019

MS PG CL	Thermal	108.20	3436.10		4673
	Thml+Gas	123.54	3877.85		5303
	Hydro	16.83	272.86		1291
	Total	140.37	4150.71		6594
State Total		215.72	6241.45		12410

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	4833	295	644	5772	963	255	2464	3188	157	168	10356	1502	11858	1708	13566	49.67
2	4746	66	643	5455	963	248	2328	2904	294	316	9910	1558	11468	1630	13098	49.67
3	4746	51	658	5455	962	227	2331	3038	294	314	10023	1334	11357	1499	12856	49.78
4	4712	61	662	5435	964	237	2337	3004	294	317	9957	1631	11588	1481	13069	49.82
5	4664	76	667	5407	964	248	2340	3162	294	318	10099	1805	11904	1460	13364	49.78
6	4640	547	672	5859	965	243	2345	3119	294	320	10526	2020	12546	1521	14067	49.56
7	4608	130	672	5410	964	268	2237	3020	294	320	10002	3453	13455	1585	15040	49.73
8	4619	106	669	5394	963	264	2584	3330	233	96	10100	3730	13830	1726	15556	49.65
9	4641	467	654	5762	962	239	2726	3061	84	-61	10016	3939	13955	1957	15912	49.47
10	4530	805	631	5966	946	331	3059	3283	-252	-391	10188	3991	14179	2274	16453	49.30
11	4403	1067	618	6088	937	384	3243	3334	-488	-631	10165	3668	13833	2494	16327	49.35
12	4300	1148	608	6056	930	401	3237	3567	-563	-703	10291	3684	13975	2560	16535	49.33
13	4343	941	608	5892	941	439	3233	3442	-539	-680	10074	3700	13774	2553	16327	49.51
14	4460	672	610	5742	949	360	3229	3900	-439	-582	10409	3787	14196	2451	16647	49.76
15	4321	587	602	5510	940	291	3221	3951	-506	-651	10095	3827	13922	2522	16444	49.56
16	4270	689	600	5559	940	275	3217	3920	-531	-673	10074	3739	13813	2567	16380	49.49
17	4321	1002	608	5931	939	234	3219	3742	-481	-618	10282	3703	13985	2498	16483	49.42
18	4339	1321	617	6277	943	199	3139	3820	-451	-586	10706	3413	14119	2432	16551	49.39
19	4355	1994	630	6979	953	226	3016	3852	-538	-673	11390	3730	15120	2555	17675	49.48
20	4443	1403	641	6487	959	245	3050	4233	-666	-649	11329	3721	15050	2501	17551	49.64
21	4506	1161	647	6314	957	293	3051	4247	-540	-524	11340	3443	14783	2352	17135	49.56
22	4497	780	654	5931	961	289	3137	3585	-437	-417	10403	3469	13872	2272	16144	49.62
23	4493	695	656	5844	961	340	2985	3474	-241	-221	10451	2892	13343	2140	15483	49.52
24	4415	770	660	5845	963	294	3063	3244	-241	-213	10186	1980	12166	2031	14197	49.53
MUs	108.20	16.83	15.33	140.37	22.89	6.83	68.79	83.42	-4.67	-6.10	248.37	73.72	322.09	50.77	372.86	49.57

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 30/Oct/2009

Position as on 6.30 Hrs of 31/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
Paras Unit 2	55	11/10/2009	13:29		Continued.	AOH.	05/11/2009
Cent_Sect NTPC(V-5)	210	21/10/2009	23.57		Continued.	Boiler Overhall	10/11/2009
Khaparkheda Unit 3	210	23/10/2009	23.59		Continued.	Annual Overhaul	19/11/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	30/11/2009
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	31/03/2010
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	07/01/2010
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	
Nasik Unit 4	210	26/10/2009	02:20		Continued.	Boiler Tube Leakage.	30/10/2009
Nasik Unit 1	125	28/10/2009	22.10		Continued.	Turbine starting gear problem.	
Cent_Sect NTPC(K-5)	500	29/10/2009	14.15	30/10/2009	22.57	Boiler Tube Leakage.	
Tata Trombay 5	500	30/10/2009	01.56		Continued.	BLR T/L.	
Paras Unit 3	250	30/10/2009	04.16	30/10/2009	10.17	ACW Cooling Line Leakage.	
Koradi Unit 7	210	30/10/2009	09.42	31/10/2009	03.11	Furnace Press.high.	
Bhusawal Unit 2	210	30/10/2009	10.19	30/10/2009	13.42	Boiler Board Problem.	
Chandrapur Unit 5	500	30/10/2009	14.20		Continued.	Boiler tube leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Oct/2009

Position as on 6.30 Hrs of 31/Oct/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudshingi-Ponda	30/10/2009	08.15	30/10/2009	16.32	Insulator replacement.
Nasik-Navsari-I	30/10/2009	09.04	30/10/2009	20.20	Maint. work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
WARDHA-AKOLA-II	24/10/2009	16.46		Continued.	H/T due to over voltage
DHULE-SAR'SAROVAR-I	29/10/2009	03.12		Continued.	H/T due to O/V
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari -II	31/10/2009	02.40	31/10/2009	03.15	Dist.Prot. R TO E,Z-1.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132KV,200 MVA ICT-II at Bhusawal	26/10/2009	09.32		Continued.	Oveerhauling work.
400/220KV,105MVA Spare ICT-II @ Karad.	26/10/2009	10.20		Continued.	Unit Replacement of ICT-II.
400/220kv 315MVA ICT-II at Karad.	26/10/2009	17.16		Continued.	Y-Ph Unit replacement.
Bablsr-Aurangabad	30/10/2009	08.45	30/10/2009	19.06	400 KV A'bad-Akola crossing work.
400/220KV 315MVA ICT-III at Padgha	30/10/2009	09.39	30/10/2009	19.20	Maint. Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Bus-Coupler at Kalwa	26/10/2009	09.28		Continued.	C.B.Replacement.
Kalwa-Nasik	30/10/2009	08.52	30/10/2009	18.55	ISO Alingnment work.
Kharghar-TSS	30/10/2009	08.53	30/10/2009	18.55	R.M. Work.
Padgha-Wada	30/10/2009	11.30	31/10/2009	04.56	Breaker Problem.
220/132KV,150 MVA ICT-II at Boisar.	30/10/2009	11.53	30/10/2009	19.50	Testing work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhandara-Tekepar	29/10/2009	09.13		Continued.	Breaker Replacement.
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Paras-Malegaon	17/10/2009	11.43		Continued.	Ckt on TBC due to main breaker Problem.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	28/10/2009	07.43	28/10/2009	Continued.	H/t to load Akola ICT.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pardi-Uppalwadi	28/10/2009	14.35		Continued.	H/T to control 132 kv Ambazari Manakapur ckt.flow.
Voltage Level : 220KV			Outage Type TRIPPED		
100 KV Bus Section @ Kalwa	29/10/2009	23.15	30/10/2009	19.53	Y Ph.P T Jumper Broken.
220/100KV 125 MVA ICT-I at Kalwa	29/10/2009	23.15	30/10/2009	00.20	Y Ph.P T Jumper Broken.
220/100KV,125MVA ICT-IV at Kalwa	29/10/2009	23.15	30/10/2009	00.15	Y Ph.P T Jumper Broken.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa-Nocil I	29/10/2009	23.15	30/10/2009	00.38	Y Ph.P T Jumper Broken.
Kalwa-Nocil II	29/10/2009	23.15	30/10/2009	00.39	Y Ph. P T Jumper Broken.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 31/Oct/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	50
Unit 2	105	50
Unit 3	105	50
Unit 4	105	50
Unit 5	200	150
Unit 6	210	150
Unit 7	210	60
	1040	560
Bhusawal		
Unit 1	58	50
Unit 2	210	190
Unit 3	210	190
	478	430
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	150
Unit 3	210	200
Unit 4	210	210
Unit 5	500	0
Unit 6	500	400
Unit 7	500	425
	2340	1550
Paras		
Unit 2	55	0
Unit 3	250	180
	305	180
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	90
Unit 3	210	197
Unit 4	210	0
Unit 5	210	177
	870	464
Uran		
All Units	852	640
	852	640
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	6
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	121
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	0
	1700	900
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	110
Trombay 7B	60	70
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3284
	3143	3284

	17616	12526
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