



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Sep/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.110	3285.167	1) Madhya Pradesh	62.632	1615.657
2) Hydro	7.375	239.520	2) Gujrat	14.470	566.409
3) Gas	14.148	438.750	3) Goa	-5.763	-173.680
Total MSGENCO	134.633	3963.437	4) TAPS 1&2 (Inj.)	7.178	217.253
B) OTHERS			5) Pench (Excess)	-0.873	-13.612
1) RGPPL Gas	21.729	675.763	# Total Cent. Sector	77.644	2212.027
2) Wind Generation	10.190	222.591	F) Other Exchanges		
3) PENCH (MS)	0.873	21.107	1) With TPCL	-9.683	-202.563
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	30.265	847.573	1) MSEDCL Bilateral	5.789	159.945
2) TPCL Hydro	3.616	96.563	Include PX	0.000	2.941
TOTAL TPCL	33.881	944.136	2) MUMBAI Bilateral	10.328	221.538
3) REL Thermal	12.503	377.884	Include PX	0.728	16.688
D) STATE			3) MUMBAI Schedule	10.328	226.313
1) Thermal (A1+C1+C3)	155.878	4510.624	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	11.864	357.190	1) MSEDCL	235.386	6892.362
3) Gas (A3+B1)	35.877	1114.513	2) TPCL	37.073	1005.683
4) Wind (B2)	10.190	222.591	3) REL	18.994	518.814
TOTAL STATE	213.809	6204.918	TOTAL STATE	291.453	8416.859

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4600	4752	4702
MSGENCO Hydro	487	1083	43
MSGENCO Gas	586	589	592
MSGENCO Total Generation	5673	6424	5337
Central Sector Receipt	3668	3686	2638
RGPPL	902	902	901
WIND	242	409	614
Exchange with TPCL	-758	-530	-9
MSEDCL DEMAND MET	9777	10944	9508
Load Shedding	2356	2595	1022
MSEDCL DEMAND (INCL. LS)	12133	13539	10530
TPCL GENERATION	1566	1656	1122
REL GENERATION	519	517	521
TPCL+REL DEMAND	2843	2703	1652
STATE DEMAND MET	12620	13647	11160
STATE DEMAND (INCL. LS)	14976	16242	12182
Frequency (Hz)	49.18	49.25	49.17
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2639 MW at 14.00Hrs.
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			39.81 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.82 Hz at 18.17 Hrs	48.69 Hz at 22.34 Hrs	49.19	20.14 % 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 30/Sep/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.58	12.76	83	49	60
Unit 2	1.28	40.46	71	33	40
Unit 3	1.38	38.88	78	25	20
Unit 4	1.34	42.62	81	27	30
Unit 5	2.99	68.41	134	110	125
Unit 6	3.23	93.94	156	118	150
Unit 7	3.18	81.57	185	80	140
	14.98	378.64			565
Bhusawal					
Unit 1	0.58	28.96	26	22	25
Unit 2	0.00	5.17	0	0	0
Unit 3	4.30	125.84	192	164	200
	4.89	159.97			225
Parli					
Unit 1	0.59	17.27	26	23	20
Unit 2	0.55	15.81	26	20	20
Unit 3	2.98	112.08	149	83	170
Unit 4	3.84	87.03	183	137	170
Unit 5	3.94	118.20	176	149	170
Unit 6	5.21	137.45	234	192	220
	17.10	487.84			770
Chandrapur					
Unit 1	3.65	108.65	162	136	165
Unit 2	0.00	13.65	0	0	0
Unit 3	4.19	104.02	185	147	180
Unit 4	4.07	133.06	200	119	150
Unit 5	9.10	260.76	425	350	350
Unit 6	9.12	249.39	415	300	425
Unit 7	9.93	257.85	445	378	410
	40.07	1127.38			1680
Paras					
Unit 2	0.49	13.26	22	19	22
Unit 3	2.90	128.94	226	65	165
	3.39	142.21			187
Khaparkheda					
Unit 1	4.33	138.06	196	165	190
Unit 2	3.81	130.40	174	134	170
Unit 3	4.36	129.22	206	167	190
Unit 4	4.38	144.94	194	165	190
	16.88	542.63			740
Nasik					
Unit 1	1.64	6.84	89	53	50
Unit 2	1.06	59.28	89	0	80
Unit 3	4.52	123.06	204	175	185
Unit 4	4.33	135.18	190	171	180
Unit 5	4.25	122.14	190	144	150
	15.80	446.50			645
Uran					
All Units	14.15	438.75	600	583	580
	14.15	438.75			580
Koyna					
Stage 1-2	2.42	56.88	330	40	600
Stage 4	1.90	95.70	479	0	250
Koyna 12&4 Total	4.32	152.58			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.31	41.36	320	0	320
	5.64	193.94			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.74	0	0	0
TILLARI	0.39	12.21	60	0	60
BHTGR/VEER	0.00	8.60	0	0	0
BHIRA T.R.	0.36	10.15	42	0	40
RNGR+BHTSA	0.29	4.25	18	3	16
BHANDARDRA	0.00	0.35	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	1.36	10	0	10
GHATGHAR	0.64	7.92	120	0	0
	1.74	45.58			126
PENCH (MS)					
Pench (MS)	0.87	21.11	54	10	
	0.87	21.11			
Wind					
MalharPeth	0.39	7.30			
Vankuswadi	0.93	16.35			
ATIT	0.19	4.31			
Kale	0.07	1.65			
Satara	1.65	8.76			
Shirala	0.32	5.25			
K Mahankal	0.04	7.60			
Supa	0.26	3.41			
Vita	1.06	29.08			
Dondaicha	2.95	89.69			
Sakri	0.52	14.76			
Nandurbar	0.40	12.45			
Khadakale	0.85	11.31			
Khaparale	0.55	10.67			
	10.19	222.59			
Dabhol					
RGPP L II	21.73	675.76	913	901	900
RGPP L III	0.00	0.00	0	0	
	21.73	675.76			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.88	338.63	495	495	500
Trombay 6	11.77	325.92	510	360	500
Trombay 7A	2.40	69.76	114	93	100
Trombay 7B	1.11	26.65	61	0	60
Trombay 8	3.11	86.62	190	98	120
TATA Hydro	3.62	96.56	381	0	447
	33.88	944.14			1727
REL					
1&2	12.50	377.88	525	517	500
	12.50	377.88			500
Cent Sect					
Share					3678
					3678

MS PG CL	Thermal	113.11	3285.17		4812
	Thml+Gas	127.26	3723.92		5392
	Hydro	7.38	239.52		1296
	Total	134.63	3963.44		6688
State Total		213.81	6204.92		13493

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	4948	58	591	5597	902	477	3216	2808	-164	-127	9684	1303	10987	1988	12975	49.14
2	4870	43	594	5507	903	590	3098	2856	-45	-5	9878	1349	11227	1819	13046	49.20
3	4783	43	590	5416	909	630	3099	2652	-45	-6	9628	1241	10869	1722	12591	49.09
4	4750	53	600	5403	904	625	3102	2545	-45	-9	9495	1093	10588	1676	12264	49.27
5	4702	43	592	5337	901	614	3103	2638	-45	-9	9508	1022	10530	1652	12182	49.17
6	4801	53	592	5446	905	604	3104	2869	-45	-10	9824	1109	10933	1706	12639	49.00
7	4790	58	592	5440	907	600	3044	2793	-45	-7	9759	1565	11324	1791	13115	49.26
8	4815	48	591	5454	909	511	3067	2841	-45	-8	9733	1691	11424	1878	13302	49.28
9	4759	86	589	5434	910	449	3218	3125	-202	-166	9778	1730	11508	2183	13691	49.34
10	4801	226	587	5614	910	364	3456	3255	-501	-471	9699	2283	11982	2472	14454	49.06
11	4736	253	588	5577	913	278	3694	3533	-748	-719	9609	2491	12100	2759	14859	49.17
12	4600	487	586	5673	902	242	3727	3668	-784	-758	9777	2356	12133	2843	14976	49.18
13	4573	567	587	5727	903	237	3745	3659	-801	-776	9800	2322	12122	2836	14958	49.27
14	4470	640	583	5693	909	253	3738	3547	-796	-770	9682	2416	12098	2715	14813	49.05
15	4544	381	583	5508	908	235	3734	3457	-794	-778	9383	2645	12028	2803	14831	49.00
16	4619	236	588	5443	903	230	3743	3528	-801	-787	9370	2779	12149	2804	14953	49.21
17	4629	138	588	5355	909	333	3807	3404	-820	-854	9184	2666	11850	2791	14641	49.33
18	4648	189	587	5424	902	377	3650	3769	-688	-683	9843	2336	12179	2662	14841	49.35
19	4685	952	589	6226	902	347	3458	3353	-539	-527	10355	2538	12893	2671	15564	49.30
20	4752	1083	589	6424	902	409	3641	3686	-468	-530	10944	2595	13539	2703	16242	49.25
21	4684	804	594	6082	907	605	3689	3578	-521	-470	10755	2348	13103	2612	15715	49.34
22	4720	573	584	5877	903	417	3676	3469	-504	-450	10269	2372	12641	2420	15061	49.15
23	4716	278	588	5582	902	390	3654	3398	-483	-432	9866	1963	11829	2334	14163	48.90
24	4731	83	593	5407	904	375	3573	3208	-399	-331	9573	1545	11118	2227	13345	49.21
MUs	113.13	7.38	14.14	134.65	21.73	10.19	83.04	77.64	-10.33	-9.68	235.40	47.76	283.15	56.07	339.22	49.19

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/Sep/2009

Position as on 6.30 Hrs of 01/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
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.	Annual Overhaul.	05/10/2009
Cent_Sect Gandhar U3	144	14/09/2009	09.30		Continued.	Annual Overhaul.	05/10/2009
Cent_Sect Gandhar U4	224	17/09/2009	00.11		Continued.	Annual Overhaul.	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	
Nasik Unit 2	125	30/09/2009	13.00		Continued.	Boiler Tube Leakage.	03/10/2009
Tata Trombay 7B	60	30/09/2009	14.22	30/09/2009	19.23	Boiler Water Inlet Value.	
REL 2	250	01/10/2009	05.21		Continued.	To Attend Earth Wire on GT.	

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

Position as on 6.30 Hrs of 01/Oct/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Tarapur CKT.II	30/09/2009	09.56	30/09/2009	18.00	Bay Maintenance.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	01/07/2009	09.12		Continued.	H/T FOR O/V
Kolhapur-Mapusa Ckt I	29/09/2009	22.35		Continued.	Hand Tripped for Over Voltage.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Mansar-Pench	29/09/2009	04.15	30/09/2009	16.45	H/T,For Y-Ph PT Burst at Pench end.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220kv 315MVA ICT-II at Karad.	29/09/2009	12.30	30/09/2009	16.00	To Attend Oil Leakage from B Ph Unit.
400 KV Main Bus - II @ Koradi	30/09/2009	07.40	30/09/2009	23.56	Isolator 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.
220/132 KV, 100 MVA ICT - II @ Beed.	29/09/2009	19.40	30/09/2009	17.50	Filtration Work.
Mudshingi-Talangade - I	30/09/2009	10.40	30/09/2009	12.42	Q.M.Work.
220/132 KV, 100 MVA - ICT @ Bale.	30/09/2009	10.40	30/09/2009	13.38	Q.M. Work.
Jejuri - Baramati	01/10/2009	00:24		Continued.	Retrofitting work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
132/7 KV Station T/F - II at Deepnagar	25/09/2009	09:53	30/09/2009	20.20	Oil filtration work.
Malkapur - Khamgaon	30/09/2009	12.25		Continued.	Breaker Replacement Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220 KV Interconnector @ Kalwa.	30/09/2009	13.44	30/09/2009	15.11	To Attend the Detoriated twin Conductor
Uran-Kharghar-II	30/09/2009	14.49	30/09/2009	21.03	To Attend Hot Spot,Taken on TBC.
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 : 132KV			Outage Type HAND TRIPPED		
Chikhali - Khamgaon	24/09/2009	16.42	30/09/2009	12.45	H/T to control Chikhali ICT loading
Mankapur - Uppalwadi	29/09/2009	21.15	30/09/2009	05.40	To Control Line Loading of Ambazari - Hingna.
Voltage Level : 220KV			Outage Type TRIPPED		
Parli Ext.-Nanded	29/09/2009	00.14	30/09/2009	11.53	Dist.Prot,R-Ph to earth Z-I, E/W broken.
Pedambe - Pophali	29/09/2009	18.25	30/09/2009	11.40	Tripped on Dist.Prot. R-E, Zone-I.
Mudshingi - Peth	29/09/2009	18.50	30/09/2009	12.15	Tripped on Dist.Prot. R-E.
Kalwa-C'chem	30/09/2009	11.29	30/09/2009	11.56	Dist.Prot.
Kalwa-Nasik	30/09/2009	18.37	30/09/2009	19.03	Dist.Prot.
Trombay-Mulund	01/10/2009	05.31	01/10/2009	05.44	Dist.Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
132/33 KV 25 MVA T/F - I	27/09/2009	17.36		Continued.	Transformer Caught Fire.

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

Position as on 6.30 Hrs of 01/Oct/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
@ Bhusawal					
132/33 KV 25 MVA T/F - II @ Bhusawal	27/09/2009	17.36	30/09/2009	02:30	Control Cable Burnt.
132 KV Interconnector - I @ Bhusawal	27/09/2009	17:36		Continued.	Jumper broken.
Ambazari - Mankapur	29/09/2009	19.18	30/09/2009	02.12	Dist.Prot.
null					
Voltage Level : 220KV			Outage Type TRIPPED		
Vita - Miraj	30/09/2009	13.51	30/09/2009	14.25	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Oct/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	50
Unit 3	105	40
Unit 4	105	35
Unit 5	200	110
Unit 6	210	120
Unit 7	210	130
	1040	555
Bhusawal		
Unit 1	58	25
Unit 2	210	0
Unit 3	210	190
	478	215
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	195
Unit 4	210	210
Unit 5	500	400
Unit 6	500	425
Unit 7	500	425
	2340	1820
Paras		
Unit 2	55	20
Unit 3	250	60
	305	80
Khaparkheda		
Unit 1	210	170
Unit 2	210	150
Unit 3	210	170
Unit 4	210	170
	840	660
Nasik		
Unit 1	120	75
Unit 2	120	0
Unit 3	210	180
Unit 4	210	180
Unit 5	210	170
	870	605
Uran		
All Units	852	580
	852	580
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	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	20
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	120
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		
RGPPPL II	960	900
RGPPPL 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	180
TATA Hydro	444	447
	2024	1807
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3570
	3143	3570