



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Sep/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Sep/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.878	1685.957	1) Madhya Pradesh	43.320	821.225
2) Hydro	12.510	86.148	2) Gujrat	31.990	309.955
3) Gas	14.663	237.637	3) Goa	-6.171	-91.345
Total MSGENCO	144.051	2009.742	4) TAPS 1&2 (Inj.)	7.238	116.250
B) OTHERS			5) Pench (Excess)	-0.240	-2.822
1) RGPPL Gas	23.052	367.375	# Total Cent. Sector	76.137	1153.263
2) Wind Generation	3.322	138.189	F) Other Exchanges		
3) PENCH (MS)	0.960	5.977	1) With TPCL	-9.928	-102.832
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	24.460	437.290	1) MSEDCL Bilateral	5.674	83.760
2) TPCL Hydro	5.985	50.554	Include PX	0.000	2.941
TOTAL TPCL	30.445	487.844	2) MUMBAI Bilateral	10.254	114.270
3) REL Thermal	12.556	202.115	Include PX	2.470	2.846
D) STATE			3) MUMBAI Schedule	10.254	116.095
1) Thermal (A1+C1+C3)	153.894	2325.362	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	19.455	142.679	1) MSEDCL	237.594	3571.714
3) Gas (A3+B1)	37.715	605.012	2) TPCL	34.559	523.435
4) Wind (B2)	3.322	138.189	3) REL	18.370	269.178
TOTAL STATE	214.386	3211.242	TOTAL STATE	290.523	4364.327

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4840	4817	4871
MSGENCO Hydro	723	1248	62
MSGENCO Gas	611	600	630
MSGENCO Total Generation	6174	6665	5563
Central Sector Receipt	3356	3478	2756
RGPPL	961	961	960
WIND	57	126	148
Exchange with TPCL	-710	-522	-39
MSEDCL DEMAND MET	9865	10758	9440
Load Shedding	1495	2379	888
MSEDCL DEMAND (INCL. LS)	11360	13137	10328
TPCL GENERATION	1413	1485	970
REL GENERATION	522	520	526
TPCL+REL DEMAND	2645	2527	1535
STATE DEMAND MET	12510	13285	10975
STATE DEMAND (INCL. LS)	14005	15664	11863
Frequency (Hz)	49.73	49.39	49.65
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2996 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			41.12 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.22 Hz at 07.38 Hrs	48.81 Hz at 20.49 Hrs	49.54	3.63 % 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 16/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	1.75	19.12	78	62	75
Unit 3	1.70	15.83	78	61	65
Unit 4	1.78	22.73	78	60	70
Unit 5	2.98	31.04	142	92	140
Unit 6	3.03	47.66	136	96	135
Unit 7	3.34	30.44	158	106	140
	14.58	166.83			625
Bhusawal					
Unit 1	1.18	14.56	54	39	45
Unit 2	0.00	5.17	0	0	0
Unit 3	4.06	66.06	180	137	180
	5.24	85.79			225
Parli					
Unit 1	0.52	9.18	24	20	20
Unit 2	0.57	9.31	26	22	20
Unit 3	4.06	59.57	183	152	170
Unit 4	3.96	51.23	192	136	170
Unit 5	3.87	62.98	172	146	170
Unit 6	4.61	69.61	255	120	220
	17.60	261.88			770
Chandrapur					
Unit 1	3.55	56.69	168	132	165
Unit 2	0.00	13.65	0	0	0
Unit 3	3.58	53.56	164	134	160
Unit 4	4.87	70.76	210	197	210
Unit 5	9.28	127.52	469	320	400
Unit 6	9.31	120.87	415	340	400
Unit 7	9.62	126.14	440	358	450
	40.22	569.19			1785
Paras					
Unit 2	0.09	7.90	12	0	20
Unit 3	4.84	61.64	217	192	200
	4.93	69.55			220
Khaparkheda					
Unit 1	4.79	73.56	206	190	200
Unit 2	4.38	70.66	193	154	190
Unit 3	4.72	76.59	214	185	210
Unit 4	5.04	77.59	214	198	210
	18.94	298.39			810
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	1.83	32.88	91	52	90
Unit 3	4.74	60.02	208	177	190
Unit 4	4.44	72.68	199	148	190
Unit 5	4.36	68.75	192	165	170
	15.36	234.33			640
Uran					
All Units	14.66	237.64	650	588	600
	14.66	237.64			600
Koyna					
Stage 1-2	1.34	19.72	150	30	525
Stage 4	7.87	24.72	824	0	250
Koyna 12&4 Total	9.21	44.44			775

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.02	15.87	286	0	320
	11.22	60.31			1095
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.52	0	0	0
TILLARI	0.26	7.10	60	0	60
BHTGR/VEER	0.46	5.87	19	19	5
BHIRA T.R.	0.40	5.66	83	0	80
RNGR+BHTSA	0.07	1.49	3	3	3
BHANDARDRA	0.04	0.33	19	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.92	10	0	0
GHATGHAR	0.00	3.95	0	0	0
	1.29	25.84			148
PENCH (MS)					
Pench (MS)	0.96	5.98	53	26	0
	0.96	5.98			0
Wind					
MalharPeth	0.13	5.20			
Vankuswadi	0.25	11.29			
ATIT	0.07	2.28			
Kale	0.05	1.16			
Satara	0.10	5.37			
Shirala	0.05	3.46			
K Mahankal	0.05	5.77			
Supa	0.06	1.63			
Vita	0.58	19.56			
Dondaicha	1.24	53.72			
Sakri	0.21	9.05			
Nandurbar	0.20	7.10			
Khadakale	0.21	5.57			
Khaparale	0.11	7.02			
	3.32	138.19			
Dabhol					
RGPP L II	23.05	367.38	962	955	900
RGPP L III	0.00	0.00	0	0	
	23.05	367.38			900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	6.03	170.39	290	240	500
Trombay 6	12.01	169.96	510	400	500
Trombay 7A	2.13	35.61	89	88	100
Trombay 7B	1.39	7.48	58	57	100
Trombay 8	2.91	53.84	125	114	100
TATA Hydro	5.98	50.55	459	0	447
	30.44	487.84			1747
REL					
1&2	12.56	202.12	526	516	500
	12.56	202.12			500
Cent Sect					
Share					3487
					3487

MS PG CL	Thermal	116.88	1685.96		5075
	Thml+Gas	131.54	1923.59		5675
	Hydro	12.51	86.15		1243
	Total	144.05	2009.74		6918
State Total		214.39	3211.24		13552

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/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	4957	62	610	5629	955	154	3195	3072	-279	-251	9612	1172	10784	1846	12630	49.37
2	4957	57	622	5636	960	130	3038	2952	-122	-88	9643	1152	10795	1642	12437	49.60
3	4851	57	632	5540	961	158	2990	2869	-75	-42	9538	968	10506	1579	12085	49.68
4	4871	62	630	5563	960	148	2990	2756	-75	-39	9440	888	10328	1535	11863	49.65
5	4789	82	618	5489	958	198	2990	2904	-75	-63	9539	947	10486	1499	11985	49.45
6	4842	72	639	5553	961	201	2990	3165	-75	-47	9886	1091	10977	1574	12551	49.63
7	4830	82	643	5555	961	111	2986	2846	-170	-145	9361	1819	11180	1716	12896	49.68
8	4881	80	650	5611	962	114	3158	2580	-294	-268	9026	1880	10906	1843	12749	49.96
9	4868	91	635	5594	959	104	3075	3027	-214	-204	9507	1614	11121	2049	13170	49.80
10	4790	137	614	5541	961	55	3287	3363	-497	-480	9467	1766	11233	2394	13627	49.65
11	4840	723	611	6174	961	57	3509	3356	-726	-710	9865	1495	11360	2645	14005	49.73
12	4874	872	592	6338	961	61	3556	3322	-773	-757	9952	1304	11256	2699	13955	49.49
13	4891	885	592	6368	961	83	3556	3315	-773	-767	9987	1278	11265	2682	13947	49.56
14	4912	833	594	6339	961	114	3533	3351	-750	-752	10040	1247	11287	2623	13910	49.52
15	4942	915	588	6445	961	136	3556	3384	-773	-775	10177	1395	11572	2676	14248	49.54
16	4885	771	599	6255	961	195	3556	3174	-773	-778	9834	1699	11533	2682	14215	49.73
17	4787	689	600	6076	961	253	3542	3395	-759	-762	9950	1682	11632	2678	14310	49.69
18	4820	616	600	6036	961	186	3347	3389	-593	-593	10012	1466	11478	2547	14025	49.61
19	4841	920	602	6363	961	132	3333	3405	-465	-457	10454	1910	12364	2460	14824	49.46
20	4817	1248	600	6665	961	126	3525	3478	-538	-522	10758	2379	13137	2527	15664	49.39
21	4791	1305	598	6694	961	148	3453	3452	-443	-437	10868	2228	13096	2434	15530	49.22
22	4840	1049	600	6489	961	175	3406	3351	-395	-389	10640	2267	12907	2323	15230	49.22
23	4941	564	595	6100	961	151	3380	3238	-369	-360	10143	1942	12085	2205	14290	49.11
24	4985	338	599	5922	961	132	3067	3006	-250	-242	9832	1457	11289	2071	13360	49.16
MUs	116.80	12.51	14.66	143.98	23.05	3.32	79.02	76.15	-10.25	-9.93	237.53	37.05	274.58	52.93	327.51	49.54

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 16/Sep/2009

Position as on 6.30 Hrs of 17/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
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	
Paras Unit 2	55	16/09/2009	08.15		Continued.	Not Available of Coal Cycle.	
Cent_Sect NTPC(K-3)	210	16/09/2009	16.17		Continued.	Condenser Tube Leakage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Sep/2009

Position as on 6.30 Hrs of 17/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	16/09/2009	21.05	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.
Voltage Level : 220KV			Outage Type TRIPPED		
TILLARY-PHONDA	16/09/2009	12.45	16/09/2009	18.50	Tripped,Distance Protection.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
Chandrapur - Padgha Pole -I	04/09/2009	06:49	16/09/2009	19.59	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.
Talangade - Mumewadi	13/09/2009	09.01	16/09/2009	21.10	Tower Errection Work completed.Line tripped while charging at 18.01HRS on 15.09.09.
Wardha--Dhamangaon	15/09/2009	10.13	16/09/2009	07.49	Replacement of Y Ph CC.
ONGC-TSS	16/09/2009	09.30	16/09/2009	18.17	R.M.Work.
Wardha-Badnera	16/09/2009	09.54	16/09/2009	18.27	Y Ph CC Replacement Work.
Bus Coupler at Koradi	16/09/2009	10.04	16/09/2009	15.20	Replacement of Old Relay & Isolator Maint.
Kalwa-Ghatghar	16/09/2009	10.15	16/09/2009	17.37	Jumper Tightening Work.
Parly - Harangul - II.	16/09/2009	10.30	16/09/2009	18.00	Commissioning of Wave Trap & C.C.
Chandrapur-MIDC	16/09/2009	11.10	16/09/2009	16.12	Quarterly Maintenance.
150 MVA 220/132 KV ICT @ Bhandara	16/09/2009	14.30	16/09/2009	16.32	Quarterly Maintenance.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur-II	15/09/2009	23.40	16/09/2009	08.54	H/T for O/V
Voltage Level : 220KV			Outage Type TRIPPED		
Khaparkheda - Kanhan - II	16/09/2009	08.42	16/09/2009	17.16	Distance Protection,Zone-I R-E.
TLLARY-Halkarni	16/09/2009	12.45	16/09/2009	19.10	Tripped.
Momewadi -Halkarni	16/09/2009	12.45	16/09/2009	19.25	Tripped.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Sep/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	70
Unit 4	105	70
Unit 5	200	150
Unit 6	210	140
Unit 7	210	150
	1040	650
Bhusawal		
Unit 1	58	40
Unit 2	210	0
Unit 3	210	160
	478	200
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	180
Unit 4	210	170
Unit 5	210	170
Unit 6	250	220
	940	780
Chandrapur		
Unit 1	210	165
Unit 2	210	0
Unit 3	210	160
Unit 4	210	210
Unit 5	500	400
Unit 6	500	425
Unit 7	500	400
	2340	1760
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	0
Unit 2	120	90
Unit 3	210	200
Unit 4	210	190
Unit 5	210	180
	870	660
Uran		
All Units	852	620
	852	620
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	30
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	197
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	897
RGPPPL III	740	
	1700	897
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	90
Trombay 7B	60	70
Trombay 8	250	120
TATA Hydro	444	447
	2024	1727
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3426
	3143	3426

	17616	13517
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