



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Sep/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Sep/2010 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	74.844	964.086	1) Madhya Pradesh	70.069	787.878
2) Hydro	7.539	126.683	2) Gujrat	31.466	450.345
3) Gas	15.897	233.210	3) Goa	-5.574	-82.041
Total MSGENCO	98.280	1323.979	4) TAPS 1&2 (Inj.)	6.947	112.120
B) OTHERS			5) Pench (Excess)	-0.105	-1.616
1) RGPPL Gas	37.131	532.853	# Total Cent. Sector	102.803	1266.686
2) Wind Generation	7.766	189.528	F) Other Exchanges		
3) CPP / IPP	9.489	150.657	1) With TPCL (Excess)	-11.951	-139.193
4) PENCH (MS)	0.105	1.616	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	9.199	95.620
1) TPCL Thermal	24.940	345.472	Include PX	5.760	74.074
2) TPCL Hydro	4.559	76.436	2) MUMBAI Bilateral	12.374	150.031
TOTAL TPCL	29.499	421.908	Include PX	1.800	26.495
3) REL Thermal	12.436	188.205	3) MUMBAI Schedule	12.374	150.031
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	112.220	1497.763	1) MSEDCL	243.623	3326.126
2) Hydro (A2+B3+C2)	12.203	204.735	2) TPCL	35.971	497.845
3) Gas (A3+B1)	53.028	766.063	3) REL	17.911	251.547
4) Wind (B2)	7.766	189.528	TOTAL STATE	297.505	4075.518
5) CPP (B3)	9.489	150.657			
TOTAL STATE	194.706	2808.746			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3194	3009	3002
MSGENCO Hydro	257	1250	164
MSGENCO Gas	656	651	671
MSGENCO Total Generation	4107	4910	3837
Central Sector Receipt	4569	4694	3834
RGPPL	1540	1530	1562
WIND	254	444	253
CPP / IPP	393	406	376
Exchange with TPCL	-733	-578	-255
MSEDCL DEMAND MET	10130	11433	9607
Load Shedding	2035	2525	0
MSEDCL DEMAND (INCL. LS)	12165	13958	9607
TPCL GENERATION	1495	1569	850
REL GENERATION	516	517	526
TPCL+REL DEMAND	2744	2664	1631
STATE DEMAND MET	12874	14097	11238
STATE DEMAND (INCL. LS)	14909	16622	11238
Frequency (Hz)	50.08	49.68	50.11
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3818 MW at 20.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			59.34 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.48 Hz at 06.06 Hrs	49.03 Hz at 19.13 Hrs	50.04	0 % of Time(min)

* 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/Sep/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.35	11.28	61	51	60
Unit 2	1.28	14.13	64	37	50
Unit 3	1.41	20.30	67	52	60
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	28.62	0	0	0
Unit 6	3.15	37.53	151	79	120
Unit 7	3.20	48.46	155	95	120
	10.38	160.32			410
Bhusawal					
Unit 1	0.00	0.64	0	0	0
Unit 2	2.64	29.00	155	65	120
Unit 3	2.90	17.61	150	75	150
	5.54	47.24			270
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.44	2.56	21	16	20
Unit 3	2.49	16.52	125	80	120
Unit 4	2.56	44.60	140	69	120
Unit 5	2.41	34.74	115	67	110
Unit 6	0.56	41.93	107	0	60
Unit 7	0.00	17.89	0	0	
	8.47	158.23			430
Chandrapur					
Unit 1	2.51	24.56	129	88	100
Unit 2	0.15	14.61	32	0	0
Unit 3	0.00	12.20	0	0	0
Unit 4	2.14	11.50	124	35	100
Unit 5	7.14	75.24	365	225	350
Unit 6	7.29	52.92	370	200	300
Unit 7	3.83	36.82	224	117	225
	23.05	227.84			1075
Paras					
Unit 2	0.91	8.62	41	35	30
Unit 3	2.25	30.67	154	51	120
Unit 4	2.22	25.79	152	27	100
	5.39	65.08			250
Khaparkheda					
Unit 1	4.62	66.88	210	140	190
Unit 2	0.00	0.00	0	0	0
Unit 3	4.14	63.45	194	123	180
Unit 4	4.10	42.91	177	145	180
	12.86	173.23			550
Nasik					
Unit 1	1.90	16.90	92	59	85
Unit 2	0.00	11.52	0	0	0
Unit 3	2.40	28.63	150	0	0
Unit 4	1.55	42.02	155	0	165
Unit 5	3.31	33.06	164	112	170
	9.16	132.14			420
Koyna					
Stage 1-2	2.07	28.88	505	35	600
Stage 4	0.00	0.00	0	0	0
Stage 3	0.79	14.75	286	0	320
	2.86	43.63			920
Kovna 12&4 Total	2.07	28.88			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.90	233.21	675	650	640
		15.90	233.21			640
Hydro						
KDPH		0.67	13.54	40	0	36
VTRNA		0.47	5.28	61	0	60
TILLARI		0.07	4.69	61	0	60
BHTGR/VEER		0.08	2.54	4	3	3
BHIRA T.R.		0.43	6.71	41	0	40
RNGR+BHTSA		0.45	5.98	19	18	20
BHANDARDRA		0.21	9.75	24	0	20
ELDARY		0.50	7.88	22	19	0
SMLHY PTN		0.77	13.18	40	28	40
GHATGHAR		1.03	13.50	250	0	0
		4.68	83.05			279
PENCH (MS)						
Pench (MS)		0.10	1.62	27	0	
		0.10	1.62			
Wind						
MalharPeth		0.23	9.37			
Vankuswadi		0.60	18.99			
ATIT		0.08	7.29			
Kale		0.22	7.60			
Satara		0.87	18.55			
Shirala		0.20	6.78			
K Mahankal		0.02	7.42			
Supa		0.07	2.89			
Vita		0.64	32.47			
Dondaicha		3.17	42.22			
Sakri		0.52	9.32			
Nandurbar		0.42	4.90			
Khandke		0.25	12.62			
Khaparale		0.48	9.12			
		7.77	189.53			
CPP						
TOTAL CPP		9.49	150.66			
		9.49	150.66			
Dabhol						
RGPPL		37.13	532.85	1566	1529	1584
		37.13	532.85			1584
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.29	139.06	475	330	500
Trombay 6		5.50	65.00	375	150	500
Trombay 7A		2.86	43.72	123	108	120
Trombay 7B		1.60	24.18	68	63	60
Trombay 8		4.69	73.51	230	152	250
TATA Hydro		4.56	76.44	351	0	447
		29.50	421.91			1877
REL						
1&2		12.44	188.20	528	502	500
		12.44	188.20			500
Cent Sect						
Share						3780
						3780
MS PG CL	Thermal	74.84	964.09			3405
	Thml+Gas	90.74	1197.30			4045
	Hydro	7.54	126.68			1199
	Total	98.28	1323.98			5244
State Total		194.71	2808.75			12985

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/Sep/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP / IPP	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	3269	153	670	4092	1560	275	382	3492	3807	-438	-428	9688	502	10190	1893	12083	50.02
2	3155	160	672	3987	1562	329	392	3398	3641	-342	-329	9582	0	9582	1734	11316	50.10
3	3002	164	671	3837	1562	253	376	3327	3834	-273	-255	9607	0	9607	1631	11238	50.11
4	3055	164	672	3891	1566	258	386	3232	3983	-178	-169	9915	0	9915	1525	11440	50.22
5	3235	157	671	4063	1566	284	385	3233	3878	-178	-162	10014	163	10177	1568	11745	50.22
6	3183	160	675	4018	1562	263	393	3232	3995	-178	-173	10058	1043	11101	1631	12732	50.06
7	3290	159	673	4122	1565	225	393	3568	3603	-324	-318	9590	1509	11099	1774	12873	50.16
8	3330	169	673	4172	1562	148	396	3589	4110	-348	-337	10051	1569	11620	1859	13479	50.14
9	3300	195	669	4164	1552	225	401	3821	4546	-495	-495	10393	1578	11971	2146	14117	50.15
10	3271	270	667	4208	1543	221	391	3924	4625	-590	-594	10394	1615	12009	2480	14489	49.97
11	3169	263	654	4086	1544	248	398	3994	4700	-682	-682	10294	1817	12111	2651	14762	50.06
12	3194	257	656	4107	1540	254	393	4064	4569	-759	-733	10130	2035	12165	2744	14909	50.08
13	3192	314	651	4157	1529	215	400	4062	4506	-759	-733	10074	2287	12361	2729	15090	49.91
14	3240	266	659	4165	1534	221	398	3966	4367	-663	-629	10056	2195	12251	2599	14850	50.04
15	3242	162	660	4064	1533	299	393	3941	4274	-639	-623	9940	2358	12298	2602	14900	49.99
16	3084	162	659	3905	1537	404	393	3942	4087	-639	-621	9705	2298	12003	2636	14639	50.18
17	3045	164	661	3870	1536	550	401	3942	4357	-639	-626	10088	2132	12220	2649	14869	50.16
18	3002	189	656	3847	1535	465	404	3935	4355	-639	-616	9990	2350	12340	2617	14957	49.95
19	2959	518	650	4127	1534	421	409	3721	4273	-555	-529	10241	2757	12998	2515	15513	49.84
20	3009	1250	651	4910	1530	444	406	3740	4694	-623	-578	11433	2525	13958	2664	16622	49.68
21	2961	1025	653	4639	1539	507	402	3765	4476	-647	-625	10965	2435	13400	2585	15985	49.92
22	2958	805	654	4417	1542	445	402	3738	4584	-621	-599	10818	2378	13196	2347	15543	49.91
23	2855	280	661	3796	1547	419	396	3779	4920	-580	-550	10546	2173	12719	2243	14962	50.02
24	2844	133	659	3636	1551	397	399	3696	4623	-581	-547	10059	1932	11991	2064	14055	50.00
MUs	74.84	7.54	15.90	98.28	37.13	7.77	9.49	89.10	102.81	-12.37	-11.95	243.63	39.65	283.28	53.89	337.17	50.04

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 15/Sep/2010

Position as on 6.30 Hrs of 16/Sep/2010

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)	30/12/2010
Koyna ST-IV 1	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koyna ST-IV 2	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koyna ST - IV 4	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koyna ST - IV 3	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Cent_Sect KARPR2	220	14/08/2010	14:16		Continued.	Annual Overhaul.	08/09/2010
Cent_Sect NTPC(V-8)	500	20/08/2010	00.46		Continued.	Annual Overhaul	15/09/2010
Koradi Unit 4	115	24/08/2010	06.02		Continued.	Annual Overhaul.	05/10/2010
Khaparkheda Unit 2	210	27/08/2010	23.40		Continued.	Capital Overhaul	05/10/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Parli Unit 1	30	18/06/2010	12:11		Continued.	For Scrapping.	
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/09/2010
Bhusawal Unit 1	58	01/09/2010	23.30		Continued.	Wet Coal	16/09/2010
Nasik Unit 2	125	10/09/2010	01.00		Continued.	Bunkering Problem.	16/09/2010
Koradi Unit 5	200	13/09/2010	14.39		Continued.	Flame failure.	15/09/2010
Parli Unit 7	250	14/09/2010	20.28		Continued.	Bunkering Problem	
Chandrapur Unit 3	210	14/09/2010	23.38		Continued.	Furnance Pressure High	
Nasik Unit 3	210	14/09/2010	23.55		Continued.	Flame Failure	15/09/2010
Parli Unit 6	250	15/09/2010	07.30		Continued.	Coal Shortage.	
Chandrapur Unit 2	210	15/09/2010	16.37	15/09/2010	21.05	Low Vaccum.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Sep/2010

Position as on 6.30 Hrs of 16/Sep/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dhule-Sar'Sarovar - I	14/09/2010	18.22		Continued.	To attend Reactor Oil Leakage,line is ready for charging
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - II	04/09/2010	12.29		Continued.	Over Voltage.
Kolhapur - Mapusa - I	06/09/2010	17.51		Continued.	Over Voltage
Dhule-Khandwa-I	16/09/2010	01.42		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Wardha - II	01/09/2010	01.48		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrapur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
Main Bus-I At Stage-4 Koyna.	12/08/2010	11.50		Continued.	Routine Maintanance Work.
Dabhol-Nagothane - II	15/09/2010	00.00	15/09/2010	17.36	Newly Commission and taken into service.
Chandrapur - Parli - I	15/09/2010	00.31	15/09/2010	16.31	Main Bkr oil leakage problem (Ckt on TBC).
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125MVA ICT-IV @ Kalwa	02/08/2010	10.10		Continued.	Repl.125 MVA ICT by 200 MVA New ICT.
220/100 125 MVA ICT - II @ Trombay	23/08/2010	12.17		Continued.	Dismantling of existing ICT and commissioning of New 200MVA ICT
220/6.6 KV Stn Tr - II @ K'Kheda	06/09/2010	08.58		Continued.	Annual Maint.of Bay
220/132KV,200MVA ICT-I at Malegaon	14/09/2010	08.55		Continued.	Main Bus Outage
Ambazari-Wardha	15/09/2010	10.31	15/09/2010	12.47	Q.M.Work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhandara-Kardha	13/09/2010	10.00		Continued.	Breaker replacement.
Pardi- Besa	15/09/2010	10.56	15/09/2010	14.23	R.M.Work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Koradi - Kaparkheda	15/09/2010	09.47	15/09/2010	12.56	For attending Red Hot.
400/220 KV 315 MVA ICT-II @ Chandrapur	15/09/2010	10.31	15/09/2010	12.47	Attending Hot Spot.Y-Ph CT Clamp.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Baramati-Kurkumbh	15/09/2010	09.15	15/09/2010	10.45	Repl.of Y-Ph jumper at C.T.line side.
Padgha - Nalasopara	15/09/2010	09.50	15/09/2010	15.50	Attending Red Hot.
Vita - Lamboti	15/09/2010	11.23	15/09/2010	17.39	Conductor strenghening work.
Lamboti - Pandharpur	15/09/2010	11.24	15/09/2010	17.04	Conductor strenghening work.
Kalwa - Salshet - IV	15/09/2010	15.45	15/09/2010	18.45	Attending Hot Spot.
220/22 KV,50 MVA T/F - I @ Lonikand	15/09/2010	23.50	16/09/2010	01.45	To attend Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
80 MVAR Line Reactor of Lonikand - Karad @ Karad	04/03/2010	11.58		Continued.	Red Hot Spot Observed on Earthing.
Karad - Kolhapur - II	27/08/2010	23.01	15/09/2010	13.01	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Sep/2010

Position as on 6.30 Hrs of 16/Sep/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
400/220 KV 500 MVA ICT-II at Lamboti	15/09/2010	00.00	15/09/2010	20.27	First time charge and kept on humming.
Karad-Lamboti	15/09/2010	00.39		Continued.	Over Voltage(Y-Ph line CT Replacement, ready for charging at 18.36 Hrs)
Lonikand- Koyna Stage IV	15/09/2010	01.10	15/09/2010	07.25	Over Voltage
Dhule - Babhaleshwar - I	15/09/2010	02.03	15/09/2010	07.55	Over Voltage
Karad - Kolhapur - I	15/09/2010	23.49		Continued.	Over Voltage
Lonikand- Koyna Stage IV	16/09/2010	01.18		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal- Aurangabad	06/09/2010	22.45		Continued.	Over Voltage
New Koyna - StageIV - I	15/09/2010	15.58	15/09/2010	Continued.	PDR Operated at Stage IV only.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	01/06/2010	03.57		Continued.	Oil Tank Burst.
220/100KV 200MVA T/F-II @APTA	15/08/2010	21.10		Continued.	Tripped on Diff.Prot.CTR system operated.
Kalwa - Khargar	15/09/2010	04.20	15/09/2010	08.00	Distance Protection
N.Koyna-Phinolex	15/09/2010	11.58	15/09/2010	12.56	Dist.Protection
Bus Section-II at Kolshet	15/09/2010	18.35	15/09/2010	19.50	Bus Fault due to bus bar protection operated.
220/22 KV 50 MVA T/F III at Kolshet	15/09/2010	18.35	15/09/2010	20.10	Bus bar protection operated.(Load affected 10 Mw)
220/100KV 200 MVA ICT-II @ Kolshet	15/09/2010	18.35	15/09/2010	22.15	Bus bar protection operated.
Kolshet - Kamba	15/09/2010	18.35	15/09/2010	19.25	Bus bar protection operated.
Voltage Level : 132KV			Outage Type TRIPPED		
Hingna-Khapri II	15/09/2010	00.25	15/09/2010	00.41	Dist Protection operated Z-1.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Sep/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	50
Unit 3	105	60
Unit 4	105	0
Unit 5	200	0
Unit 6	210	150
Unit 7	210	155
	1040	485
Bhusawal		
Unit 1	58	0
Unit 2	210	120
Unit 3	210	150
	478	270
Parli		
Unit 1	30	0
Unit 2	30	20
Unit 3	210	100
Unit 4	210	120
Unit 5	210	110
Unit 6	250	0
Unit 7	250	0
	1190	350
Chandrapur		
Unit 1	210	130
Unit 2	210	50
Unit 3	210	0
Unit 4	210	140
Unit 5	500	300
Unit 6	500	325
Unit 7	500	120
	2340	1065
Paras		
Unit 2	55	40
Unit 3	250	120
Unit 4	250	120
	555	280
Khaparkheda		
Unit 1	210	180
Unit 2	210	0
Unit 3	210	150
Unit 4	210	160
	840	490
Nasik		
Unit 1	120	76
Unit 2	120	0
Unit 3	210	142
Unit 4	210	0
Unit 5	210	132
	870	350
Koyna		
Stage 1-2	600	600
Stage 4	1000	0
Stage 3	320	320
	1920	920
Uran		
All Units	852	640

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	640
Hydro		
KDPH	40	36
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	7
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	20
ELDARY	23	25
SMLHY PTN	12	10
GHATGHAR	250	0
	611	273
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	
Khandke	0	
Khaparale	0	
	0	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1584
	960	1584
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3870
	3143	3870