



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Sep/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Sep/2011 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	69.485	1245.630	1) Madhya Pradesh	48.759	1046.190
2) Hydro	12.463	489.473	2) Gujrat	53.541	920.277
3) Gas	15.634	296.814	3) Goa	-5.869	-114.237
Total MSGENCO	97.582	2031.917	4) TAPS 1&2 (Inj.)	7.847	150.655
B) OTHERS			5) Pench (Excess)	-0.972	-16.589
1) RGPPL Gas	35.282	580.675	# Total Cent. Sector	103.306	1986.296
2) Wind Generation	9.780	282.845	F) Other Exchanges		
3) CPP	30.838	550.124	1) With TPCL (Excess)	-9.050	-239.477
4) PENCH (MS)	0.972	16.764	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	36.124	456.502
1) TPCL Thermal	28.333	495.688	Include PX	7.663	135.263
2) TPCL Hydro	4.140	105.987	2) MUMBAI Bilateral	12.170	261.676
TOTAL TPCL	32.473	601.675	Include PX	0.663	12.685
3) REL Thermal	12.566	257.036	3) MUMBAI Schedule	12.170	261.676
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	110.384	1998.354	1) MSEDCL	268.710	5209.144
2) Hydro (A2+B3+C2)	17.575	612.224	2) TPCL	36.058	733.248
3) Gas (A3+B1)	50.916	877.489	3) REL	18.028	364.903
4) Wind (B2)	9.780	282.845	TOTAL STATE	322.796	6307.295
5) CPP (B3)	30.838	550.124			
TOTAL STATE	219.493	4321.036			

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	2935	2779	2898
MSGENCO Hydro	779	1954	109
MSGENCO Gas	653	658	654
MSGENCO Total Generation	4367	5391	3661
Central Sector Receipt	4756	3920	3673
RGPPL	1504	1404	1526
WIND	321	446	394
CPP	1252	1346	1296
Exchange with Mumbai	-455	-453	-251
MSEDCL DEMAND MET	11788	12096	10335
Load Shedding (LS)	52	188	49
MSEDCL DEMAND (INCL. LS)	11840	12284	10384
TPCL GENERATION	1778	1662	817
REL GENERATION	524	523	524
TPCL+REL DEMAND	2757	2638	1592
STATE DEMAND MET	14545	14734	11927
Load Management (LM)	1299	2414	1084
Total Load Relief (LS+LM)	1351	2602	1133
UNRESTRICTED STATE DEMAND	15896	17336	13060
Frequency (Hz)	49.87	49.81	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.27 Hz at 09.17 Hrs	49.35 Hz at 18.41 Hrs	49.88	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 21/Sep/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	6.61	0	0	0
Unit 6	2.02	54.40	160	0	60
Unit 7	2.66	61.67	165	0	135
	4.68	122.69			195
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.06	38.46	145	120	125
Unit 4		0.00	0	0	
	3.06	38.46			125
Parli					
Unit 3	3.00	43.08	158	92	140
Unit 4	0.00	0.00	0	0	0
Unit 5	2.79	60.30	146	97	117
Unit 6	0.00	55.99	0	0	0
Unit 7	2.37	50.36	143	64	100
	8.16	209.73			357
Chandrapur					
Unit 1	2.76	45.86	144	92	120
Unit 2	2.79	45.29	137	97	130
Unit 3	3.09	34.22	160	94	150
Unit 4	0.00	0.00	0	0	0
Unit 5	7.07	133.50	340	245	300
Unit 6	6.73	115.65	320	220	260
Unit 7	8.45	92.47	407	324	350
	30.89	466.98			1310
Paras					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.02	57.93	140	111	130
	3.02	57.93			130
Khaparkheda					
Unit 1	3.33	68.35	165	70	150
Unit 2	3.19	48.90	146	104	150
Unit 3	3.53	60.66	165	110	160
Unit 4	3.71	75.12	178	100	170
Unit 5		2.79	0	0	
	13.76	255.82			630
Nasik					
Unit 1		0.00	0	0	
Unit 2		0.00	0	0	
Unit 3	3.06	61.02	145	100	132
Unit 4	0.00	15.00	0	0	0
Unit 5	2.86	17.99	152	82	122
	5.92	94.02			254
Uran					
All Units	15.63	296.81	662	625	600
	15.63	296.81			600
Dabhol					
RGPPL	35.28	580.68	1528	1390	1590
	35.28	580.68			1590
Koyna					
Stage 1-2	3.72	103.08	380	40	600
Stage 4	3.25	191.18	817	0	250
Stage 3	2.04	74.61	318	0	320
	9.00	368.87			1170
Koyna 12&4 Total	6.97	294.26			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	7.79	0	0	0
VTRNA	0.19	14.92	61	0	0
TILLARI	0.39	15.76	60	0	60
BHTGR/VEER	0.47	7.59	20	19	10
BHIRA T.R.	0.35	8.86	81	0	40
RNGR+BHTSA	0.40	9.16	17	16	10
BHANDARDRA	0.52	12.72	33	14	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.44	25.37	27	15	11
GHATGHAR	0.70	18.42	250	0	0
	3.46	120.61			161
PENCH (MS)					
Pench (MS)	0.97	16.76	46	36	
	0.97	16.76			
Wind					
MalharPeth	0.52	15.05			
Vankuswadi	0.80	27.52			
ATIT	0.11	4.67			
Kale	0.33	9.69			
Satara	0.34	40.88			
Shirala	0.26	10.05			
K Mahankal	1.58	20.29			
Supa	0.12	4.44			
Vita	1.46	53.03			
Dondaicha	2.75	53.12			
Sakri	0.38	9.80			
Nandurbar	0.27	4.91			
Khandke	0.46	20.46			
Khaparale	0.42	8.95			
	9.78	282.84			
CPP					
JSW JAIGAD	21.86	368.26	972	790	795
WARDHA	6.23	126.18	264	258	260
Other CPPs	2.74	55.68			
	30.84	550.12			1055
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.18	222.60	490	315	500
Trombay 6	7.80	106.13	500	155	500
Trombay 7A	2.94	60.55	128	108	120
Trombay 7B	1.61	33.58	69	62	60
Trombay 8	4.80	72.84	245	153	250
TATA Hydro	4.14	105.99	360	0	447
	32.47	601.68			1877
REL					
1&2	12.57	257.04	525	522	500
	12.57	257.04			500
Cent Sect					
Share					3788
					3788

MS PG CL	Thermal	69.48	1245.63			3001
	Thml+Gas	85.12	1542.44			3601
	Hydro	12.46	489.47			1331
	Total	97.58	2031.92			4932
State Total		219.49	4321.04			13742

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/Sep/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	2903	114	654	3671	1521	438	1310	3488	3713	-359	-319	10371	1664	10420	1848	13883	50.05
2	2941	114	654	3709	1521	436	1296	3542	3462	-354	-229	10232	1572	10281	1736	13540	49.93
3	2948	109	654	3711	1523	392	1292	3572	3540	-354	-252	10243	1172	10292	1657	13072	49.93
4	2898	109	654	3661	1526	394	1296	3573	3673	-354	-251	10335	1133	10384	1592	13060	49.94
5	2870	104	654	3628	1528	395	1312	3573	3963	-354	-252	10611	1132	10660	1594	13337	49.91
6	2914	139	655	3708	1527	360	1305	3693	4416	-354	-255	11099	1239	11148	1672	14010	49.85
7	2926	127	655	3708	1525	318	1325	3931	4695	-359	-291	11317	1242	11368	1807	14366	49.89
8	3003	287	655	3945	1527	219	1316	3883	5160	-369	-353	11852	1265	11910	1960	15077	49.98
9	3017	539	646	4202	1522	227	1321	3791	4949	-423	-467	11794	1370	11942	2216	15380	49.87
10	2913	613	650	4176	1520	356	1264	3897	4804	-567	-541	11620	1314	11726	2547	15481	50.01
11	2968	575	656	4199	1511	403	1252	3897	4752	-601	-490	11670	1372	11723	2735	15777	49.89
12	2935	779	653	4367	1504	321	1252	3962	4756	-665	-455	11788	1351	11840	2757	15896	49.87
13	2837	471	645	3953	1500	315	1278	3937	4667	-640	-432	11322	1348	11374	2735	15405	49.92
14	2843	324	625	3792	1451	401	1304	3909	4622	-615	-421	11190	1350	11244	2639	15179	49.81
15	2809	599	636	4044	1390	435	1294	3914	4665	-620	-490	11379	1358	11431	2677	15414	49.78
16	2918	378	647	3943	1402	411	1326	3924	4533	-630	-430	11228	1367	11280	2663	15258	49.79
17	2952	145	650	3747	1398	489	1342	3904	4825	-610	-425	11419	1410	11470	2627	15456	49.77
18	2882	310	654	3846	1400	654	1300	3845	4547	-550	-419	11370	1644	11423	2603	15617	49.87
19	2878	1218	650	4746	1400	510	1333	3674	3887	-509	-393	11525	2311	11658	2595	16431	49.77
20	2779	1954	658	5391	1404	446	1346	3757	3920	-592	-453	12096	2602	12284	2638	17336	49.81
21	2768	1628	654	5050	1406	448	1197	3777	4066	-607	-346	11864	2476	11916	2468	16808	49.74
22	2827	1007	655	4489	1415	482	1165	3777	3948	-597	-375	11166	2476	11218	2273	15915	49.84
23	2883	618	658	4159	1425	444	1212	3754	3950	-572	-407	10829	2472	10877	2113	15414	49.86
24	2873	202	662	3737	1436	486	1200	3664	3796	-516	-304	10393	2157	10441	1937	14487	49.98
MUs	69.48	12.46	15.63	97.58	35.28	9.78	30.84	90.64	103.31	-12.17	-9.05	268.71	38.80	270.31	54.09	361.60	49.88

NOTE : ALL VALUES IN MW

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

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 21/Sep/2011

Position as on 6.30 Hrs of 22/Sep/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Chandrapur Unit 4	210	16/08/2011	00.04		Continued.	Annual Overhaul.	23/09/2011
Paras Unit 3	250	19/08/2011	16.33		Continued.	Annual Overhaul.	23/09/2011
Bhusawal Unit 2	210	22/08/2011	15.27		Continued.	AOH.	23/09/2011
Parli Unit 4	210	31/08/2011	01.07		Continued.	Annual Overhaul.	27/09/2011
Koradi Unit 5	200	03/09/2011	16.46		Continued.	I.D Fan problem. Mini Overhaul	24/09/2011
Dabhol 1B	230	05/09/2011	23.57		Continued.	Generator Inspection	15/10/2011
Nasik Unit 4	210	07/09/2011	20.03		Continued.	Wet coal problem.Mini Overhaul	25/09/2011
Cent_Sect NTPC(V-5)	210	14/09/2011	00.41		Continued.	Annual Overhaul.	10/10/2011
FORCED OUTAGE							
Cent_Sect NTPC(K-4)	500	08/09/2011	14.26		Continued.	Ash handling problem.	
Cent_Sect NTPC(K-5)	500	08/09/2011	14.52		Continued.	Ash handling problem.	
CPP WPCL U-2	135	11/09/2011	08.12		Continued.	Withdrawn	
Khaparkheda Unit 5	500	12/09/2011	05.55		Continued.	Generator Protection.	
Cent_Sect NTPC(K-7)	500	14/09/2011	21.37		Continued.	G/T problem.	
Cent_Sect NTPC(K-1)	210	18/09/2011	11.31		Continued.	Ash Handling Problem	
Cent_Sect NTPC(K-3)	210	18/09/2011	11.31		Continued.	Ash Handling Problem	
Cent_Sect NTPC(K-6)	500	18/09/2011	11.31		Continued.	Ash Handling Problem	
Parli Unit 6	250	19/09/2011	10.50		Continued.	Bunkering Problem.	
Koradi Unit 6	210	20/09/2011	20.45	21/09/2011	04.58	Furnace pressure high.	
Koradi Unit 6	210	21/09/2011	06.30	21/09/2011	10.15	Due to main breaker Tripped.	
Koradi Unit 7	210	21/09/2011	11.08	21/09/2011	14.49	Furnace pressure high.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Sep/2011

Position as on 6.30 Hrs of 22/Sep/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chakan-Talegaon(PG)	21/09/2011	11.53	21/09/2011	15.48	For attending red hot spot.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Pench-Mansar	21/09/2011	09.28	21/09/2011	19.50	Insulator replacement work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - II	26/08/2011	21.28		Continued.	Over Voltage
Akola - Wardha - II	27/08/2011	03.20		Continued.	Over Voltage
Kolhapur - Mapusa - I	20/09/2011	21.38		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	20/09/2011	22.57	21/09/2011	06.49	Over Voltage.
Karad - Solapur (PGCIL)	21/09/2011	23.07	22/09/2011	05.56	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Wardha - I	28/08/2011	04.20		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
M.B-II At 400KV Parli	15/09/2011	07.54		Continued.	Jumper connection between existing MB-II and extended bus of PGCIL.
400/220 KV 315 MVA ICT-II @ Chakan	21/09/2011	00.16	21/09/2011	02.18	To Attend Major Oil Leakage of B Ph.Unit.
Main Bus- I @ Koradi	21/09/2011	05.00		Continued.	Erection of Main Bus-I PG Isolator.
400/132KV 200MVA ICT-I @ Bhusawal	21/09/2011	09.00		Continued.	Repl.of 132KV side aux bus isolator under LES.
400KV Aux.Bus at BBLSR	21/09/2011	12.50	21/09/2011	18.25	Connecting newly constructed 400 KV Aux.Bus to existing Aux.Bus.
Main Bus- II @ Karad	21/09/2011	18.32		Continued.	Connecting Jaigad I & II line to Bus.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(8 MonthOutage)
220/132 KV 100 MVA ICT-I @ Chikhli.	30/07/2011	11.45		Continued.	Replacement by 200 MVA ICT.Up to 30.09.2011.
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT Upto 30.9.11.
220/110KV 100MVA T/F-III at Miraj	12/09/2011	11.00		Continued.	Augmentation of 100 MVA to 200 MVA T/F. Upto 30.09.2011.
Kalyani-Baramati Agro	16/09/2011	11.20		Continued.	Replacement of breaker.
220/100KV 200MVA ICT-IV at Kalwa	17/09/2011	16.06		Continued.	Oil Filtration work
Parly - Harangool - II	20/09/2011	10.23		Continued.	Fixing of Isolator of Bus-I & Aux.Bus.
Lamboti-Bale-I	21/09/2011	09.18	21/09/2011	19.54	Tower extn.work at loc.no.554 & 555.
Lamboti-Bale-II	21/09/2011	09.24	21/09/2011	19.35	Tower extn.work at loc.no.554 & 555.
220/132 KV 200 MVA ICT - II @ Bale	21/09/2011	10.06	21/09/2011	13.15	Q.M.Work
Vita-Maisal	21/09/2011	10.14	21/09/2011	16.35	Repl.of flashover disc insulator.
Malinagar-Temburni	21/09/2011	11.25	21/09/2011	15.15	Repl.of flashover disc insulator.
220/132 KV 200 MVA ICT - III @ Bale	21/09/2011	11.30	21/09/2011	15.15	Q.M.Work
220KV Main Bus & Aux Bus at Tembhurni	21/09/2011	11.30	21/09/2011	15.15	Q.M.Work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Main Bus-I at Bhusawal-I	27/08/2011	13.08		Continued.	Bus and Line Isolator repl.work

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Sep/2011

Position as on 6.30 Hrs of 22/Sep/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Kalmeshwar-Saoner	17/09/2011	12.00		Continued.	Retrofitting of Relays
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Bhusawal	06/09/2011	23.00		Continued.	Over Voltage.
Karad - Kolhapur - II	17/09/2011	22.34	21/09/2011	08.44	Over Voltage
400/220 KV 315MVA ICT-II @ Karad	19/09/2011	09.55		Continued.	Outage on Main Bus.
Bhusawal- Aurangabad	21/09/2011	00.01	21/09/2011	06.12	Over Voltage.
Karad - Kolhapur - II	21/09/2011	16.40		Continued.	Over Voltage.
Karad - Newkoyana - I	21/09/2011	17.33	21/09/2011	17.58	For outage on M.B.II at Karad.
Bhusawal- Aurangabad	21/09/2011	21.18	22/09/2011	05.53	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha-Temghar I	20/08/2011	15.18		Continued.	To Control Padgha ICT Load
Padgha - Temghar - II	25/08/2011	11.50		Continued.	To control Padgha ICT Load
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 105 MVA Spare ICT at Parly II	22/08/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
Voltage Level : 220KV			Outage Type TRIPPED		
Boiser-Versova	21/09/2011	00.12	21/09/2011	00.29	Tripped.
Voltage Level : 132KV			Outage Type TRIPPED		
Beed-Gevrai	21/09/2011	05.36	21/09/2011	06.05	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Sep/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	130
	620	270
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	0	
	420	150
Parli		
Unit 3	210	140
Unit 4	210	0
Unit 5	210	140
Unit 6	250	0
Unit 7	250	50
	1130	330
Chandrapur		
Unit 1	210	140
Unit 2	210	125
Unit 3	210	150
Unit 4	210	0
Unit 5	500	300
Unit 6	500	300
Unit 7	500	350
	2340	1365
Paras		
Unit 3	250	0
Unit 4	250	130
	500	130
Khaparkheda		
Unit 1	210	113
Unit 2	210	106
Unit 3	210	108
Unit 4	210	122
Unit 5	500	
	1340	449
Nasik		
Unit 1	120	0
Unit 2	120	0
Unit 3	210	140
Unit 4	210	0
Unit 5	210	140
	870	280
Uran		
All Units	852	630
	852	630
Dabhol		
RGPP	1940	1590
	1940	1590
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	28
GHATGHAR	250	0
	611	278
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	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	600	825
WARDHA	405	260
Other CPPs	0	
	1005	1085
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	400
	2024	1830
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3737
	3455	3737