



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Sep/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Sep/2011 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	68.698	1314.328	1) Madhya Pradesh	44.755	1090.945
2) Hydro	23.869	513.342	2) Gujrat	50.164	970.441
3) Gas	15.461	312.275	3) Goa	-6.394	-120.631
Total MSGENCO	108.028	2139.945	4) TAPS 1&2 (Inj.)	7.834	158.489
B) OTHERS			5) Pench (Excess)	-0.883	-17.472
1) RGPPL Gas	36.732	617.407	# Total Cent. Sector	95.476	2081.772
2) Wind Generation	9.666	292.511	F) Other Exchanges		
3) CPP	30.274	580.398	1) With TPCL (Excess)	-9.238	-248.715
4) PENCH (MS)	0.883	17.647	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	34.316	490.818
1) TPCL Thermal	28.086	523.774	Include PX	4.816	140.079
2) TPCL Hydro	4.425	110.412	2) MUMBAI Bilateral	11.650	273.326
TOTAL TPCL	32.511	634.186	Include PX	0.263	12.948
3) REL Thermal	12.535	269.571	3) MUMBAI Schedule	11.650	273.326
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	109.319	2107.673	1) MSEDCL	271.821	5480.965
2) Hydro (A2+B3+C2)	29.177	641.401	2) TPCL	36.358	769.606
3) Gas (A3+B1)	52.193	929.682	3) REL	17.922	382.825
4) Wind (B2)	9.666	292.511	TOTAL STATE	326.101	6633.396
5) CPP (B3)	30.274	580.398			
TOTAL STATE	230.629	4551.665			

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	2920	2828	2861
MSGENCO Hydro	1275	2395	106
MSGENCO Gas	635	630	670
MSGENCO Total Generation	4830	5853	3637
Central Sector Receipt	4626	3537	3598
RGPPL	1317	1619	1450
WIND	290	486	398
CPP	1282	1295	1240
Exchange with Mumbai	-584	-418	-203
MSEDCL DEMAND MET	11803	12416	10161
Load Shedding (LS)	53	52	49
MSEDCL DEMAND (INCL. LS)	11856	12468	10210
TPCL GENERATION	1704	1720	783
REL GENERATION	524	524	508
TPCL+REL DEMAND	2812	2662	1494
STATE DEMAND MET	14615	15078	11655
Load Management (LM)	1371	2675	1296
Total Load Relief (LS+LM)	1424	2727	1345
UNRESTRICTED STATE DEMAND	16039	17805	13000
Frequency (Hz)	49.85	49.71	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 03:46 Hrs	49.25 Hz at 20:15 Hrs	49.81	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 22/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	3.30	57.70	162	120	140
Unit 7	3.00	64.68	161	85	130
	6.30	128.99			270
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.78	42.25	170	150	150
Unit 4	0.00	0.00	0	0	0
	3.78	42.25			150
Parli					
Unit 3	3.27	46.36	160	100	140
Unit 4	0.00	0.00	0	0	0
Unit 5	3.04	63.34	152	112	140
Unit 6	0.00	55.99	0	0	0
Unit 7	1.64	52.00	113	0	50
	7.95	217.68			330
Chandrapur					
Unit 1	3.11	48.98	146	0	140
Unit 2	3.03	48.32	136	110	125
Unit 3	3.10	37.32	174	78	150
Unit 4	0.00	0.00	0	0	0
Unit 5	6.56	140.06	345	190	300
Unit 6	6.88	122.53	360	221	300
Unit 7	7.15	99.62	381	229	350
	29.83	496.81			1365
Paras					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.49	61.42	174	126	130
	3.49	61.42			130
Khaparkheda					
Unit 1	2.66	71.01	130	95	113
Unit 2	2.75	51.65	128	97	106
Unit 3	2.98	63.64	143	113	108
Unit 4	3.10	78.22	139	119	122
Unit 5	0.00	2.79	0	0	0
	11.49	267.31			449
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	3.16	64.18	170	100	140
Unit 4	0.00	15.00	0	0	0
Unit 5	2.69	20.68	150	71	140
	5.85	99.87			280
Uran					
All Units	15.46	312.28	671	626	630
	15.46	312.28			630
Dabhol					
RGPPL	36.73	617.41	1637	1317	1590
	36.73	617.41			1590
Koyna					
Stage 1-2	6.36	109.45	560	40	600
Stage 4	10.73	201.90	1060	0	250
Stage 3	3.58	78.18	320	0	320
	20.67	389.54			1170
Koyna 12&4 Total	17.10	311.36			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	7.79	0	0	0
VTRNA	0.00	14.92	0	0	60
TILLARI	0.40	16.17	60	0	60
BHTGR/VEER	0.21	7.80	9	8	10
BHIRA T.R.	0.34	9.20	82	0	80
RNGR+BHTSA	0.40	9.56	17	16	10
BHANDARDRA	0.51	13.23	22	15	30
ELDARY	0.00	0.00	0	0	0
SMLHY_PTN	0.52	25.89	30	18	28
GHATGHAR	0.82	19.24	250	0	0
	3.20	123.80			278
PENCH (MS)					
Pench (MS)	0.88	17.65	48	23	0
	0.88	17.65			0
Wind					
MalharPeth	0.52	15.57			
Vankuswadi	0.84	28.36			
ATIT	0.12	4.78			
Kale	0.32	10.02			
Satara	1.62	42.50			
Shirala	0.29	10.34			
K Mahankal	0.05	20.34			
Supa	0.08	4.52			
Vita	1.09	54.12			
Dondaicha	3.19	56.31			
Sakri	0.46	10.26			
Nandurbar	0.34	5.25			
Khandke	0.28	20.74			
Khaparale	0.46	9.41			
	9.67	292.51			
CPP					
JSW_JAIGAD	21.16	389.42	910	810	825
WARDHA	6.24	132.42	263	257	260
Other CPPs	2.88	58.55			
	30.27	580.40			1085
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.84	233.43	490	280	500
Trombay 6	7.90	114.02	475	155	500
Trombay 7A	2.91	63.46	125	103	120
Trombay 7B	1.60	35.18	68	61	60
Trombay 8	4.85	77.69	248	154	250
TATA Hydro	4.42	110.41	360	0	400
	32.51	634.19			1830
REL					
1&2	12.54	269.57	526	503	500
	12.54	269.57			500
Cent Sect					
Share					3737
					3737

MS PG CL	Thermal	68.70	1314.33		2974
	Thml+Gas	84.16	1626.60		3604
	Hydro	23.87	513.34		1448
	Total	108.03	2139.94		5052
State Total		230.63	4551.66		13794

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 22/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	2886	116	670	3672	1441	559	1174	3288	3805	-393	-265	10427	1903	10476	1783	14113	49.92
2	2898	106	671	3675	1444	563	1196	3250	3547	-349	-227	10239	1812	10288	1646	13697	49.93
3	2884	121	670	3675	1447	459	1232	3272	3459	-349	-221	10090	1398	10139	1546	13034	49.88
4	2861	106	670	3637	1450	398	1240	3270	3598	-338	-203	10161	1345	10210	1494	13000	50.00
5	2887	151	661	3699	1453	344	1236	3266	3905	-333	-212	10466	1371	10515	1497	13334	49.95
6	2938	291	659	3888	1455	328	1238	3270	4225	-338	-245	10931	1493	10980	1591	14015	49.86
7	3014	1024	660	4698	1499	312	1214	3533	4031	-354	-285	11510	1496	11561	1752	14758	49.81
8	3115	1439	655	5209	1637	221	1240	3533	3688	-364	-259	11778	1524	11846	1908	15210	49.86
9	2959	1383	648	4990	1627	280	1244	3572	4277	-408	-370	12090	1522	12150	2187	15799	49.79
10	2961	1499	641	5101	1373	282	1270	3772	4387	-538	-484	11970	1472	12024	2540	15982	49.86
11	2920	1275	635	4830	1317	290	1282	3893	4626	-599	-584	11803	1424	11856	2812	16039	49.85
12	2744	1232	631	4607	1319	289	1277	3918	4551	-620	-535	11550	1387	11602	2815	15752	49.81
13	2784	1148	630	4562	1547	338	1285	3890	4349	-599	-520	11586	1383	11638	2770	15739	49.78
14	2833	918	630	4381	1594	314	1278	3867	4686	-578	-501	11777	1385	11831	2666	15828	49.84
15	2928	862	631	4421	1594	338	1287	3867	4397	-578	-523	11539	1392	11591	2715	15646	49.80
16	2905	1010	628	4543	1594	402	1281	3877	4527	-588	-512	11860	1404	11912	2704	15968	49.75
17	2763	1191	626	4580	1599	504	1289	3867	4483	-578	-513	11965	1451	12016	2699	16115	49.75
18	2771	1053	628	4452	1612	520	1289	3808	3779	-517	-453	11223	1694	11276	2646	15563	49.74
19	2770	1796	635	5201	1614	506	1294	3622	3574	-469	-394	11821	2484	11875	2620	16925	49.64
20	2828	2395	630	5853	1619	486	1295	3717	3537	-568	-418	12416	2727	12468	2662	17805	49.71
21	2914	1560	635	5109	1622	510	1290	3727	3850	-582	-414	12015	2735	12067	2566	17316	49.72
22	2873	961	635	4469	1623	506	1267	3727	3703	-572	-406	11203	2735	11255	2395	16333	49.73
23	2697	1183	637	4517	1624	451	1290	3390	3368	-548	-411	10880	2731	10928	2226	15837	49.68
24	2565	1049	645	4259	1628	466	1286	3334	3124	-491	-283	10521	2404	10569	2044	14969	49.75
MUs	68.70	23.87	15.46	108.03	36.73	9.67	30.27	86.53	95.48	-11.65	-9.24	271.82	42.67	273.07	54.28	368.78	49.81

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 22/Sep/2011

Position as on 6.30 Hrs of 23/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.	
Parli Unit 7	250	22/09/2011	08.13	22/09/2011	10.39	Furnace Pressure high.	
Dabhol 1X	290	22/09/2011	08.35	22/09/2011	11.19	Generator Protection.	
Chandrapur Unit 1	210	22/09/2011	22.43		Continued.	BLR T/L.	25/09/2011

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Sep/2011

Position as on 6.30 Hrs of 23/Sep/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
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	22/09/2011	11.50	Over Voltage
Kolhapur - Mapusa - I	20/09/2011	21.38	22/09/2011	08.53	Over Voltage.
Karad - Solapur (PGCIL)	21/09/2011	23.07	22/09/2011	05.56	Over Voltage.
Karad - Solapur (PGCIL)	22/09/2011	21.48		Continued.	Over Voltage.
Kolhapur - Mapusa - II	23/09/2011	00.32		Continued.	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		
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.
Main Bus- II @ Karad	21/09/2011	18.32	22/09/2011	20.42	Connecting Jaigad I & II line to Bus.
Parli-Lonikand - II	22/09/2011	08.40		Continued.	For jumper connection bet'n existing Main Bus.
400 KV Main Bus - I @ Parli	22/09/2011	09.10	23/09/2011	06.04	For jumper connection bet'n existing Main Bus.
400/220KV 315MVA ICT-III at Karad.	22/09/2011	14.38		Continued.	For attending ICT III's-Bus II P.G.Isolator.
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.
Pophali - Pedambe - I	22/09/2011	08.10	22/09/2011	18.05	Q.M.Work
Main Bus @ Alephata	22/09/2011	08.35	22/09/2011	17.50	Maintenance work.
Khaperkheda - Wardha.	22/09/2011	09.42	22/09/2011	18.09	Repl.of breaker discrepancy switch,Aux.of TBC isolator.
Apta-Bombay Dyeing	22/09/2011	10.09	22/09/2011	17.46	Hot Spot Isolator.
Jejuri-Phursungi - I	22/09/2011	10.39	22/09/2011	15.03	Taken on TBC,Testing CKT.Breaker.
Bhosari-C'enka	22/09/2011	10.56	22/09/2011	16.00	Q.M.Work
Dondaicha - Jamde - II.	22/09/2011	11.13	22/09/2011	13.30	Taking A/R in service.
Dondaicha - Jamde - I	22/09/2011	14.22	22/09/2011	17.25	Taking A/R in service.
220/33 KV 100 MVA ICT - I @ Jamde	22/09/2011	14.35	22/09/2011	16.15	33KV Bus jumpering 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
Kalmeshwar-Saoner	17/09/2011	12.00		Continued.	Retrofitting of Relays

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Sep/2011

Position as on 6.30 Hrs of 23/Sep/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Jalgaon - Dhrangaon	22/09/2011	08.35	22/09/2011	16.10	Line crossing work of 220KV Deepnagar-Amalner Ckt.
Parbhani-Parthur	22/09/2011	10.39	22/09/2011	16.28	Removal of dislocated vibration dampers.
Gangakhed - Kandhar	22/09/2011	11.00	22/09/2011	17.50	Repl.of faulty disc insulator.
Khamgaon - Warwat Bakal	22/09/2011	13.05		Continued.	Bus side isolator replacement work.
Voltage Level : 400KV					
Outage Type HAND TRIPPED					
Akola - Bhusawal	06/09/2011	23.00		Continued.	Over Voltage.
400/220 KV 315MVA ICT-II @ Karad	19/09/2011	09.55	22/09/2011	13.02	Outage on Main Bus.
Karad - Kolhapur - II	21/09/2011	16.40		Continued.	Over Voltage.
Bhusawal- Aurangabad	21/09/2011	21.18	22/09/2011	05.53	Over Voltage.
Chandrapur - Parli - I	22/09/2011	08.11	22/09/2011	09.54	Taken on TBC.
Bhusawal- Aurangabad	22/09/2011	21.43		Continued.	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
Bale-Murud	22/09/2011	06.38		Continued.	Parli ICT Loading.
Bale-Osmanbad	22/09/2011	06.38		Continued.	Parli ICT Loading.
Umred - Virangana	22/09/2011	15.22	22/09/2011	15.30	Energy meter Repl.work at Vayunandana.
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.
Chandrapur - Parli - III	22/09/2011	23.08	23/09/2011	06.28	Distance protection.

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 23/Sep/2011

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			VTRNA	60	0
Unit 5	200	0	TILLARI	60	60
Unit 6	210	125	BHTGR/VEER	21	9
Unit 7	210	125	BHIRA T.R.	80	80
	620	250	RNGR+BHTSA	20	11
Bhusawal			BHANDARDRA	45	22
Unit 2	210	0	ELDARY	23	0
Unit 3	210	130	SMLHY_PTIN	12	17
Unit 4	0		GHATGHAR	250	0
	420	130		611	199
Parli			PENCH (MS)		
Unit 3	210	150	Pench (MS)	53	
Unit 4	210	0		53	
Unit 5	210	105	Wind		
Unit 6	250	0	MalharPeth	0	
Unit 7	250	100	Vankuswadi	0	
	1130	355	ATIT	0	
Chandrapur			Kale	0	
Unit 1	210	0	Satara	0	
Unit 2	210	135	Shirala	0	
Unit 3	210	170	K Mahankal	0	
Unit 4	210	0	Supa	0	
Unit 5	500	250	Vita	0	
Unit 6	500	250	Dondaicha	0	
Unit 7	500	225	Sakri	0	
	2340	1030	Nandurbar	0	
Paras			Khandke	0	
Unit 3	250	0	Khaparale	0	
Unit 4	250	150		0	
	500	150	CPP		
Khaparkheda			JSW_JAIGAD	600	825
Unit 1	210	120	WARDHA	405	260
Unit 2	210	130	Other CPPs	0	
Unit 3	210	130		1005	1085
Unit 4	210	130	Tata		
Unit 5	500		Trombay 4	150	0
	1340	510	Trombay 5	500	490
Nasik			Trombay 6	500	500
Unit 1	120	0	Trombay 7A	120	120
Unit 2	120	0	Trombay 7B	60	60
Unit 3	210	160	Trombay 8	250	250
Unit 4	210	0	TATA Hydro	444	375
Unit 5	210	120		2024	1795
	870	280	REL		
Uran			1&2	500	500
All Units	852	635		500	500
	852	635	Cent Sect		
Dabhol			Share	3455	3993
RGPPL	1940	1610		3455	3993
	1940	1610			
Koyna					
Stage 1-2	600	600			
Stage 4	1000	250			
Stage 3	320	320			
	1920	1170			
Hydro					
KDPH	40	0			