



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Nov/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Nov/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.516	3433.664	1) Madhya Pradesh	58.475	1648.173
2) Hydro	8.220	137.280	2) Gujrat	15.557	491.725
3) Gas	15.513	439.515	3) Goa	-6.271	-183.083
Total MSGENCO	141.249	4010.459	4) TAPS 1&2 (Inj.)	7.181	133.545
B) OTHERS			5) Pench (Excess)	-0.241	-8.936
1) RGPPL Gas	32.882	1060.477	# Total Cent. Sector	74.701	2081.424
2) Wind Generation	3.933	119.905	F) Other Exchanges		
3) CPP / IPP	9.369	265.131	1) With TPCL (Excess)	-16.519	-355.893
4) PENCH (MS)	0.241	8.936	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	3.423	151.779
1) TPCL Thermal	26.966	770.917	Include PX	0.000	-9.864
2) TPCL Hydro	3.104	89.086	2) MUMBAI Bilateral	16.303	380.053
TOTAL TPCL	30.070	860.003	Include PX	7.427	157.262
3) REL Thermal	6.310	318.551	3) MUMBAI Schedule	16.303	380.933
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	150.792	4523.132	1) MSEDCL	245.856	7190.439
2) Hydro (A2+B3+C2)	11.565	235.302	2) TPCL	36.877	1030.998
3) Gas (A3+B1)	48.395	1499.992	3) REL	16.019	503.398
4) Wind (B2)	3.933	119.905	TOTAL STATE	298.752	8724.835
5) CPP (B3)	9.369	265.131			
TOTAL STATE	224.054	6643.462			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4915	5038	4457
MSGENCO Hydro	147	1240	80
MSGENCO Gas	631	638	666
MSGENCO Total Generation	5693	6916	5203
Central Sector Receipt	3614	3345	2562
RGPPL	1212	1243	1439
WIND	181	93	200
CPP / IPP	389	390	392
Exchange with Mumbai	-811	-869	-335
MSEDCL DEMAND MET	10278	11144	9461
Load Shedding	2770	3338	754
MSEDCL DEMAND (INCL. LS)	13048	14482	10215
TPCL GENERATION	1656	1561	889
REL GENERATION	264	261	263
TPCL+REL DEMAND	2731	2691	1487
STATE DEMAND MET	13009	13835	10948
STATE DEMAND (INCL. LS)	15779	17173	11702
Frequency (Hz)	49.85	49.80	50.01
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3927 MW At 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			59.77 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.31 Hz at 16.02 Hrs	49.32 Hz at 18.09 Hrs	49.85	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 30/Nov/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	37.51	0	0	0
Unit 2	1.66	47.54	76	64	65
Unit 3	1.52	41.00	69	58	60
Unit 4	1.26	18.03	57	44	55
Unit 5	3.65	100.59	168	135	145
Unit 6	3.32	101.14	159	125	135
Unit 7	3.64	76.49	175	130	135
	15.05	422.29			595
Bhusawal					
Unit 1	1.04	16.38	50	36	45
Unit 2	4.16	86.03	185	160	180
Unit 3	4.15	122.42	205	135	195
	9.35	224.82			420
Parli					
Unit 1	0.51	14.60	25	16	20
Unit 2	0.44	13.56	21	1	20
Unit 3	3.58	96.66	172	117	162
Unit 4	4.06	116.35	180	129	175
Unit 5	0.00	53.45	0	0	0
Unit 6	0.00	108.05	0	0	0
Unit 7	4.08	123.41	219	122	150
	12.66	526.06			527
Chandrapur					
Unit 1	3.55	104.84	163	127	160
Unit 2	3.49	102.44	167	125	160
Unit 3	4.54	99.14	201	174	190
Unit 4	4.41	119.89	190	168	190
Unit 5	9.52	247.76	460	300	400
Unit 6	9.49	231.22	450	325	400
Unit 7	9.02	247.47	428	325	425
	44.00	1152.77			1925
Paras					
Unit 2	0.00	9.87	0	0	0
Unit 3	0.53	100.71	205	0	0
Unit 4	4.36	125.98	248	82	100
	4.89	236.56			100
Khaparkheda					
Unit 1	4.62	138.02	210	170	210
Unit 2	4.61	90.13	202	178	210
Unit 3	4.64	128.84	202	163	200
Unit 4	3.91	120.63	178	137	170
	17.78	477.62			790
Nasik					
Unit 1	0.00	49.49	0	0	0
Unit 2	0.00	33.20	0	0	0
Unit 3	4.65	132.02	210	165	200
Unit 4	4.61	54.69	208	170	190
Unit 5	4.52	124.14	201	173	190
	13.77	393.53			580
Koyna					
Stage 1-2	2.88	46.60	385	40	600
Stage 4	1.53	9.06	500	0	250
Stage 3	0.73	13.37	160	0	320
	5.13	69.04			1170
Kovna 12&4 Total	4.40	55.66			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.51	439.52	666	620	630
		15.51	439.52			630
Hydro						
KDPH		0.00	0.87	0	0	0
VTRNA		0.00	0.00	0	0	0
TILLARI		0.33	11.70	60	0	60
BHTGR/VEER		0.13	2.71	6	5	6
BHIRA T.R.		0.18	6.11	79	0	80
RNGR+BHTSA		0.40	9.88	17	16	2
BHANDARDRA		0.00	1.22	0	0	0
ELDARY		0.18	5.81	8	7	0
SMLHY PTN		0.35	8.32	22	11	7
GHATGHAR		1.52	21.62	250	0	0
		3.09	68.24			155
PENCH (MS)						
Pench (MS)		0.24	8.94	27	0	
		0.24	8.94			
Wind						
MalharPeth		0.24	5.05			
Vankuswadi		0.53	14.58			
ATIT		0.06	2.17			
Kale		0.30	5.20			
Satara		0.88	13.52			
Shirala		0.17	5.05			
K Mahankal		0.03	6.82			
Supa		0.08	2.77			
Vita		0.94	23.02			
Dondaicha		0.26	20.05			
Sakri		0.03	3.50			
Nandurbar		0.02	1.98			
Khandke		0.27	10.14			
Khaparale		0.10	6.06			
		3.93	119.90			
CPP						
TOTAL CPP		9.37	265.13			
		9.37	265.13			
Dabhol						
RGPPL		32.88	1060.48	1547	1208	1557
		32.88	1060.48			1557
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		11.30	327.31	490	390	500
Trombay 6		6.50	158.85	460	150	500
Trombay 7A		2.88	86.06	124	117	120
Trombay 7B		1.60	44.50	68	65	60
Trombay 8		4.69	154.19	250	150	250
TATA Hydro		3.10	89.09	456	0	447
		30.07	860.00			1877
REL						
1&2		6.31	318.55	264	261	250
		6.31	318.55			250
Cent Sect						
Share						3262
						3262
MS PG CL	Thermal	117.52	3433.66			4937
	Thml+Gas	133.03	3873.18			5567
	Hydro	8.22	137.28			1325
	Total	141.25	4010.46			6892
State Total		224.05	6643.46			13833

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/Nov/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum SCH.	Mum NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	4903	79	666	5648	1435	182	391	2289	2234	-527	-544	9346	1129	10475	1746	12221	49.88
2	4814	80	666	5560	1437	189	391	2194	2113	-433	-447	9243	1129	10372	1620	11992	50.02
3	4627	79	666	5372	1436	207	391	2122	2290	-364	-365	9331	1114	10445	1518	11963	49.95
4	4457	80	666	5203	1439	200	392	2098	2562	-341	-335	9461	754	10215	1487	11702	50.01
5	4451	84	656	5191	1441	224	390	2138	2532	-341	-354	9424	1208	10632	1496	12128	49.91
6	4593	150	658	5401	1546	225	396	2582	2916	-341	-359	10125	1585	11710	1532	13242	49.82
7	4803	89	657	5549	1547	254	390	2873	2471	-429	-443	9779	2267	12046	1688	13734	49.76
8	4940	81	657	5678	1534	285	385	2919	2584	-480	-494	9999	2321	12320	1831	14151	49.76
9	4979	156	643	5778	1407	311	393	2961	3250	-551	-553	10613	2536	13149	2060	15209	49.74
10	4778	462	634	5874	1210	336	383	3228	3137	-651	-650	10316	2690	13006	2389	15395	49.63
11	4904	146	633	5683	1210	281	395	3491	3235	-784	-803	10027	2891	12918	2663	15581	49.74
12	4915	147	631	5693	1212	181	389	3590	3614	-812	-811	10278	2770	13048	2731	15779	49.85
13	4969	241	623	5833	1208	141	392	3704	3861	-927	-930	10505	2786	13291	2730	16021	49.75
14	5035	312	649	5996	1214	98	389	3666	3678	-889	-891	10484	2719	13203	2619	15822	49.88
15	5122	548	620	6290	1211	72	389	3556	3740	-917	-923	10779	2732	13511	2645	16156	49.76
16	5083	623	631	6337	1215	49	390	3460	3755	-927	-944	10802	2728	13530	2666	16196	49.84
17	5066	923	638	6627	1215	45	390	3413	3602	-901	-919	10960	2589	13549	2646	16195	49.90
18	5047	883	630	6560	1212	69	389	3324	3543	-827	-859	10924	2820	13744	2601	16345	49.83
19	5038	1240	638	6916	1243	93	390	3382	3345	-860	-869	11144	3338	14482	2691	17173	49.80
20	5018	687	647	6352	1470	104	393	3534	3527	-884	-907	10965	3302	14267	2623	16890	49.91
21	5040	535	646	6221	1521	110	389	3506	3468	-850	-855	10880	2911	13791	2459	16250	49.84
22	5053	243	652	5948	1532	104	398	3468	3446	-808	-812	10642	2550	13192	2333	15525	49.99
23	4997	211	650	5858	1529	96	387	3349	3096	-813	-815	10161	2315	12476	2151	14627	49.86
24	4884	141	656	5681	1458	77	387	2912	2702	-645	-637	9668	2150	11818	1974	13792	50.04
MUs	117.5 2	8.22	15.51	141.25	32.88	3.93	9.37	73.76	74.70	-16.30	-16.52	245.86	55.33	301.19	52.90	354.09	49.85

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 for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 30/Nov/2010

Position as on 6.30 Hrs of 01/Dec/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
Parli Unit 5	210	19/11/2010	01.05		Continued.	Annual Overhaul	20/12/2010
Cent_Sect NTPC(V-3)	210	23/11/2010	00.20		Continued.	Annual overhaul.	05/12/2010
Nasik Unit 2	125	23/11/2010	00.40		Continued.	Annual Overhaul.	30/12/2010
REL 1	250	24/11/2010	03.55		Continued.	Annual overhaul	18/12/2010
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.	
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	15/12/2010
Paras Unit 2	55	16/11/2010	23.00		Continued.	Boiler tube validity expired.	02/12/2010
Koradi Unit 1	105	25/11/2010	12.46		Continued.	Boiler Feed Pump problem	
CPP JSW_JAIGAD	300	25/11/2010	21.35		Continued.	Boiler Tube Leakage.	01/12/2010
Cent_Sect NTPC(K-5)	500	26/11/2010	16.33	30/11/2010	04.09	Boiler Tube Leakage.	
Nasik Unit 1	125	26/11/2010	17.50		Continued.	Trouble Shooting.	01/12/2010
Cent_Sect NTPC(V-4)	210	27/11/2010	12.07	30/11/2010	07.54	Boiler Tube Leakage.	
Parli Unit 6	250	28/11/2010	15.25		Continued.	BLR T/L.	01/12/2010
Cent_Sect NTPC (K-2)	210	28/11/2010	20.30	30/11/2010	09.52	BLR T/L.	
Cent_Sect TARAPUR-4	540	29/11/2010	13.35		Continued.	Testing work.	03/12/2010
Cent_Sect NTPC(K-4)	500	29/11/2010	17.38	30/11/2010	04.08	Bus fault at Korba.	
Paras Unit 3	250	30/11/2010	02.36		Continued.	Air heater problem.	01/12/2010
Dabhol 1B	230	30/11/2010	08.34	30/11/2010	18.34	Emergency push button problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Nov/2010

Position as on 6.30 Hrs of 01/Dec/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	24/11/2010	22.32		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	27/11/2010	23.13	30/11/2010	08.35	Over Voltage.
Akola - Aurangabad- II	28/11/2010	16.49		Continued.	Changeover.
Akola - Wardha - II	28/11/2010	18.37		Continued.	Change over
Dhule-S'Sarovar I	29/11/2010	22.25	30/11/2010	08.11	Over Voltage.
Dhule - S'Sarovar- II	30/11/2010	22.40		Continued.	Over Voltage
Dhule-S'Sarovar I	01/12/2010	00.13		Continued.	Over Voltage
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE I -CHDPR	30/11/2010	22.13	01/12/2010	00.30	Outage at Padghe end for open line test.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrpur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
400/220/33KV,500 MVA ICT-I At Kalwa	30/11/2010	00.05	30/11/2010	20.22	Newly erected.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100 125 MVA ICT - II @ Trombay	23/08/2010	12.17		Continued.	Dismantling of existing ICT and commissioning of New 200MVA ICT
220/132KV 100MVA ICT-II @ Chalisgaon	08/11/2010	11.10		Continued.	Commissioning of new 200MVA ICT by replacing 100MVA ICT.
220/132 KV 150 MVA ICT - I @ NSK.	10/11/2010	09.40		Continued.	Augmentation of existing 150 MVA ICT by new 200MVA ICT (Up to 09.12.2012)
Kalwa-Mahape	27/11/2010	15.17		Continued.	Strenginging Work of Mumbai System.
Waluj-Jalna I	29/11/2010	09.00	30/11/2010	18.46	Stringing of 400 KV BSL-Waluj D/C line bet.crossing loc.519-520.
220/100KV 125 MVA ICT-I @ Kalwa	30/11/2010	08.38	30/11/2010	16.14	Attending oil leakage in main body.
Nagothane-Mahad	30/11/2010	10.05		Continued.	C.B.overhauling work.
220/132 KV 200 MVA ICT-I @ Harangul	30/11/2010	10.15	30/11/2010	14.55	Q.M.Work.
Main Bus At Murud	30/11/2010	11.00	30/11/2010	15.40	Q.M.Work
Karad - Vita - I	30/11/2010	11.31	30/11/2010	17.00	Outage on main bus of 220KV Vita S/Stn.
Karad-Vita-II	30/11/2010	11.32	30/11/2010	16.50	Outage on main bus of 220 KV Vita S/Stn.
Main Bus @ Vita	30/11/2010	11.33	30/11/2010	16.15	Main Bus work.
Murud-Bale	30/11/2010	12.00	30/11/2010	15.50	R.M.Work
220/132KV,200MVA T/F At Ogalewadi	30/11/2010	12.10	30/11/2010	18.00	Attend oil leakage.
220/132 KV 150 MVA ICT @ Bhandara	30/11/2010	12.25	30/11/2010	15.25	Maintenance work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	29/11/2010	22.44	30/11/2010	08.29	Over Voltage.
Bhusawal- Aurangabad	29/11/2010	23.20	30/11/2010	06.08	Over Voltage.
Lonikand- Koyna Stage IV	30/11/2010	01.18	30/11/2010	07.50	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Nov/2010

Position as on 6.30 Hrs of 01/Dec/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - I	30/11/2010	22.49		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220/33KV,500 MVA ICT-I At Kalwa	30/11/2010	21.55		Continued.	Tripped Y Ph.buchholz.Charged from HV side.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	20/11/2010	21.32	30/11/2010	12.55	Differantial Protection.
220/132 KV 100 MVA ICT @ Shahada	29/11/2010	16.10		Continued.	Main buchholz protection operated.
Dhule-Dondaicha-II	30/11/2010	11.05	30/11/2010	12.00	Bus bar protection operated.
Dondaicha - Sahada	30/11/2010	11.05	30/11/2010	12.10	Master tripped,3ph.auto reclose relay operated.
Karad-Vita-II	30/11/2010	16.52	01/12/2010	05.35	Conductor snapped.Declared faulty.
Apta-Nagothane	30/11/2010	20.05	01/12/2010	04.00	Conductor snapped Apta S/stn.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Dec/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	75
Unit 3	105	70
Unit 4	105	65
Unit 5	200	140
Unit 6	210	130
Unit 7	210	150
	1040	630
Bhusawal		
Unit 1	58	45
Unit 2	210	180
Unit 3	210	165
	478	390
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	170
Unit 4	210	175
Unit 5	210	0
Unit 6	250	0
Unit 7	250	150
	1190	535
Chandrapur		
Unit 1	210	150
Unit 2	210	140
Unit 3	210	200
Unit 4	210	190
Unit 5	500	430
Unit 6	500	450
Unit 7	500	450
	2340	2010
Paras		
Unit 2	55	0
Unit 3	250	0
Unit 4	250	250
	555	250
Khaparkheda		
Unit 1	210	190
Unit 2	210	180
Unit 3	210	180
Unit 4	210	175
	840	725
Nasik		
Unit 1	120	0
Unit 2	120	0
Unit 3	210	206
Unit 4	210	210
Unit 5	210	190
	870	606
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	650

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	650
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	6
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	8
SMLHY PTN	12	11
GHATGHAR	250	0
	611	182
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		
TOTAL CPP	0	
	0	
Dabhol		
RGPPPL	960	1557
	960	1557
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1867
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3143	3531
	3143	3531

	17376	7 of 7	14353
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