



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

State Load Dispatch Center, Airoli

Daily system Report

for

31/Oct/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 31/Oct/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.278	3250.380	1) Madhya Pradesh	59.233	1953.022
2) Hydro	3.131	173.159	2) Gujrat	20.928	693.958
3) Gas	15.515	462.779	3) Goa	-5.746	-201.066
Total MSGENCO	129.924	3886.318	4) TAPS 1&2 (Inj.)	3.601	153.714
B) OTHERS			5) Pench (Excess)	-0.165	-17.407
1) RGPPL Gas	36.329	1097.467	# Total Cent. Sector	77.851	2582.221
2) Wind Generation	9.800	123.601	F) Other Exchanges		
3) CPP / IPP	10.773	395.721	1) With TPCL (Excess)	-9.190	-360.526
4) PENCH (MS)	0.165	18.652	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	6.194	272.380
1) TPCL Thermal	24.057	875.823	Include PX	1.439	52.448
2) TPCL Hydro	0.032	74.544	2) MUMBAI Bilateral	10.027	402.485
TOTAL TPCL	24.089	950.367	Include PX	1.657	80.612
3) REL Thermal	12.577	373.261	3) MUMBAI Schedule	10.027	402.485
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	147.912	4499.464	1) MSEDCL	255.652	7743.454
2) Hydro (A2+B3+C2)	3.328	266.355	2) TPCL	30.141	1116.898
3) Gas (A3+B1)	51.844	1560.246	3) REL	15.715	567.371
4) Wind (B2)	9.800	123.601	TOTAL STATE	301.508	9427.723
5) CPP (B3)	10.773	395.721			
TOTAL STATE	223.657	6845.387			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4717	4829	4296
MSGENCO Hydro	173	404	61
MSGENCO Gas	656	646	656
MSGENCO Total Generation	5546	5879	5013
Central Sector Receipt	3347	3135	2554
RGPPL	1546	1543	1464
WIND	411	456	363
CPP / IPP	432	453	456
Exchange with TPCL	-383	-456	-358
MSEDCL DEMAND MET	10899	11037	9519
Load Shedding	1616	3043	0
MSEDCL DEMAND (INCL. LS)	12515	14080	9519
TPCL GENERATION	1037	1134	903
REL GENERATION	524	520	525
TPCL+REL DEMAND	1944	2110	1786
STATE DEMAND MET	12843	13147	11305
STATE DEMAND (INCL. LS)	14459	16190	11305
Frequency (Hz)	50.05	50.11	50.03
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2921 MW AT 19.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			29.50 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.59 Hz at 14.05 Hrs	49.56 Hz at 09.09 Hrs	50.05	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 31/Oct/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.60	39.03	73	56	76
Unit 2	1.66	44.81	79	60	67
Unit 3	1.49	45.09	67	56	62
Unit 4	0.00	0.00	0	0	0
Unit 5	3.63	100.91	165	133	135
Unit 6	3.54	84.04	167	125	129
Unit 7	0.00	82.13	0	0	0
	11.93	396.01			469
Bhusawal					
Unit 1	0.96	22.95	50	30	36
Unit 2	0.00	91.83	0	0	0
Unit 3	3.19	97.78	155	100	143
	4.15	212.56			179
Parli					
Unit 1	0.20	8.11	24	0	0
Unit 2	0.50	14.54	23	16	20
Unit 3	4.09	109.40	183	149	172
Unit 4	3.58	81.68	170	109	140
Unit 5	3.44	82.34	158	126	140
Unit 6	3.94	120.65	200	135	160
Unit 7	4.16	122.70	233	115	180
	19.91	539.42			812
Chandrapur					
Unit 1	3.58	85.20	165	135	150
Unit 2	0.00	72.53	0	0	0
Unit 3	3.90	98.66	183	122	160
Unit 4	3.95	100.47	185	130	170
Unit 5	8.66	217.43	395	305	400
Unit 6	8.68	241.12	410	333	350
Unit 7	9.33	222.01	430	349	400
	38.10	1037.43			1630
Paras					
Unit 2	0.46	25.85	20	18	20
Unit 3	1.02	121.93	136	0	0
Unit 4	4.17	120.21	214	145	200
	5.65	267.99			220
Khaparkheda					
Unit 1	4.64	145.62	205	165	190
Unit 2	4.35	71.67	194	154	170
Unit 3	4.56	130.00	205	152	170
Unit 4	4.12	113.02	173	169	170
	17.68	460.30			700
Nasik					
Unit 1	2.20	51.87	99	86	90
Unit 2	2.24	37.45	101	86	90
Unit 3	4.84	125.37	215	175	190
Unit 4	0.00	0.00	0	0	0
Unit 5	4.57	121.98	210	164	180
	13.85	336.67			550
Koyna					
Stage 1-2	1.06	73.34	90	30	600
Stage 4	0.00	0.00	0	0	0
Stage 3	0.32	19.58	124	0	320
	1.37	92.92			920
Kovna 12&4 Total	1.06	73.34			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.52	462.78	660	627	630
		15.52	462.78			630
Hydro						
KDPH		0.00	5.38	0	0	0
VTRNA		0.00	0.00	0	0	0
TILLARI		0.38	11.64	60	0	60
BHTGR/VEER		0.00	2.12	2	0	0
BHIRA T.R.		0.22	5.72	41	0	80
RNGR+BHTSA		0.34	10.43	15	14	10
BHANDARDRA		0.00	2.51	0	0	0
ELDARY		0.26	5.58	15	7	0
SMLHY PTN		0.07	8.01	10	0	9
GHATGHAR		0.47	28.86	125	0	0
		1.76	80.24			159
PENCH (MS)						
Pench (MS)		0.16	18.65	27	0	0
		0.16	18.65			0
Wind						
MalharPeth		0.46	5.20			
Vankuswadi		1.49	13.33			
ATIT		0.26	3.42			
Kale		0.56	5.00			
Satara		0.45	9.23			
Shirala		0.63	5.66			
K Mahankal		2.04	8.84			
Supa		0.14	2.52			
Vita		2.32	22.75			
Dondaicha		0.33	27.42			
Sakri		0.04	4.17			
Nandurbar		0.06	3.51			
Khandke		0.68	7.79			
Khaparale		0.34	4.75			
		9.80	123.60			
CPP						
TOTAL CPP		10.77	395.72			
		10.77	395.72			
Dabhol						
RGPPL		36.33	1097.47	1561	1401	1500
		36.33	1097.47			1500
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.29	344.88	490	300	500
Trombay 6		3.77	224.66	210	150	500
Trombay 7A		2.89	89.45	124	117	120
Trombay 7B		1.62	49.77	68	67	60
Trombay 8		5.49	167.07	252	155	250
TATA Hydro		0.03	74.54	15	0	447
		24.09	950.37			1877
REL						
1&2		12.58	373.26	528	520	500
		12.58	373.26			500
Cent Sect						
Share						3350
						3350
MS PG CL	Thermal	111.28	3250.38			4560
	Thml+Gas	126.79	3713.16			5190
	Hydro	3.13	173.16			1079
	Total	129.92	3886.32			6269
State Total		223.66	6845.39			13496

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/Oct/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	4431	63	651	5145	1518	387	457	3029	2584	-507	-454	9664	0	9664	1949	11613	50.05
2	4296	61	656	5013	1464	363	456	2934	2554	-412	-358	9519	0	9519	1786	11305	50.03
3	4220	66	649	4935	1463	337	455	2863	2959	-332	-274	9901	0	9901	1663	11564	50.08
4	4191	71	660	4922	1464	300	458	2792	3174	-262	-221	10097	0	10097	1591	11688	50.12
5	4266	66	654	4986	1461	320	462	2797	3289	-262	-205	10313	388	10701	1575	12276	49.96
6	4507	56	656	5219	1493	348	458	2801	3041	-262	-197	10362	1242	11604	1585	13189	50.05
7	4678	62	655	5395	1561	327	463	3040	2653	-277	-226	10173	1359	11532	1647	13179	50.08
8	4732	63	659	5454	1559	316	456	3040	3106	-277	-223	10668	1040	11708	1641	13349	49.87
9	4759	112	655	5526	1554	353	457	3068	3501	-303	-266	11125	1098	12223	1732	13955	49.96
10	4684	173	651	5508	1545	413	453	3155	3562	-371	-325	11156	1364	12520	1859	14379	49.93
11	4717	173	656	5546	1546	411	432	3196	3347	-421	-383	10899	1616	12515	1944	14459	50.05
12	4755	176	640	5571	1542	481	413	3326	3389	-446	-396	11000	1334	12334	1996	14330	50.06
13	4729	64	632	5425	1535	452	410	3344	3521	-446	-405	10938	1253	12191	2005	14196	49.93
14	4726	59	633	5418	1535	435	449	3324	3793	-422	-383	11247	1350	12597	1985	14582	50.00
15	4759	69	632	5460	1539	372	444	3316	3466	-422	-379	10902	1863	12765	1946	14711	50.18
16	4827	69	631	5527	1534	360	448	3304	3551	-417	-379	11041	1839	12880	1938	14818	50.03
17	4733	74	627	5434	1534	337	440	3286	3507	-394	-348	10904	1976	12880	1909	14789	50.00
18	4779	134	630	5543	1536	358	456	3336	3609	-394	-350	11152	2169	13321	1931	15252	49.96
19	4829	404	646	5879	1543	456	453	3330	3135	-489	-456	11037	3043	14080	2110	16190	50.11
20	4853	421	644	5918	1546	489	459	3521	3150	-597	-556	11022	2408	13430	2226	15656	50.17
21	4824	363	648	5835	1518	522	456	3521	3305	-607	-625	11038	470	11508	2287	13795	50.07
22	4742	199	648	5589	1469	537	448	3497	3676	-583	-608	11126	0	11126	2223	13349	50.15
23	4660	59	650	5369	1469	557	451	3477	3116	-579	-603	10359	0	10359	2191	12550	50.10
24	4581	74	652	5307	1401	569	439	3254	2868	-546	-570	10014	0	10014	2137	12151	50.17
MUs	111.28	3.13	15.52	129.92	36.33	9.80	10.77	76.55	77.86	-10.03	-9.19	255.66	25.81	281.47	45.86	327.32	50.05

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 31/Oct/2010

Position as on 6.30 Hrs of 01/Nov/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 3	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 2	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koradi Unit 4	115	24/08/2010	06.02		Continued.	Annual Overhaul.	05/11/2010
Nasik Unit 4	210	15/09/2010	10.55		Continued.	Annual Overhaul.	11/11/2010
Cent_Sect Tarapur 1	80	10/10/2010	21.30		Continued.	Fuel refuelling.	12/11/2010
Cent_Sect NTPC(V-5)	210	27/10/2010	00.08		Continued.	Boiler Re certification.	03/11/2010
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	30/11/2010
Parli Unit 1	30	27/10/2010	03.40	31/10/2010	14.31	Furnance Pressure High.	
Koradi Unit 7	210	28/10/2010	13.32		Continued.	Furnace Pressure High./Suspected BTL	01/11/2010
Chandrapur Unit 2	210	30/10/2010	20.00		Continued.	IPP Differential Expansion High.	01/11/2010
Bhusawal Unit 2	210	30/10/2010	21.10		Continued.	Boiler Tube Leakage.	01/11/2010
Paras Unit 3	250	30/10/2010	22.03	31/10/2010	11.16	Bunkering Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Oct/2010

Position as on 6.30 Hrs of 01/Nov/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - II	08/10/2010	17.55		Continued.	Normal Changeover.
Akola - Aurangabad - I	22/10/2010	14.43		Continued.	Changeover.
Dhule - S'Sarovar- II	26/10/2010	13.58		Continued.	Over Voltage.
Kolhapur - Mapusa - I	27/10/2010	22.55		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	28/10/2010	23.06		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Boisar (PGCIL)	21/10/2010	13.24		Continued.	Hand Tripped at padgha end (To Transfer Load to PGCIL)
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 - II @ Koyna Stg - IV	26/09/2010	10.45		Continued.	Maintenance Work.(Expected on 30.10.2010)
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	15/10/2010	12.25		Continued.	Attending Red Hot on R-Ph HV side Bushing.
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.(Expected on 30.10.2010)
220/100 125 MVA ICT - II @ Trombay	23/08/2010	12.17		Continued.	Dismantling of existing ICT and commissioning of New 200MVA ICT
Tifil-Trombay	08/10/2010	10.18		Continued.	Erection & Stringing of M/C Towers (Loc.22-40) & Dismantling of Old Towers upto 6.11.2010.
220/7 KV 35 MVA Station T/F - I @ Parly	21/10/2010	10.20		Continued.	Replacement of Aux.& Bus Side Isolator.
Main breaker of Chalisgaon-Malegaon Ckt.	27/10/2010	11.07		Continued.	Main breaker replacement(Ckt is on TBC)
220/132 KV 100 MVA ICT - II @ Nasik (OCR)	28/10/2010	13.45		Continued.	Tandelta H V & L V CT'S Testing.
Kharghar-Uran-I	29/10/2010	10:02		Continued.	Breaker problem, line on TBC.
220/132KV,100 MVA T/F-I at Oglewadi.	31/10/2010	00.01	31/10/2010	13.02	Newly commissioned.Load taken on T/F.
Pophali-New Koyna	31/10/2010	08.35	31/10/2010	16.15	Preventive maintenance work.
Dahanu - Ghodbandar - I	31/10/2010	08.54	31/10/2010	13.28	Annual line and bay maintenance work.
Chakan-Volkaswagon	31/10/2010	10.40	31/10/2010	21.36	Bay and bus maintenance work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Own Breaker of Padgha - Kharghar	30/10/2010	20.45		Continued.	To Attend Red Hot @ Padgha,Line on TBC.
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	14/10/2010	23.19		Continued.	Over Voltage.
Kalwa-Kharghar	31/10/2010	17.34	31/10/2010	18.08	Sparking on B Ph.of isolator,taken on TBC.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Borivali-Tata Borivali 4	19/10/2010	16.41		Continued.	To control ICT Kalwa loading.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Oct/2010

Position as on 6.30 Hrs of 01/Nov/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhugaon-Wardha	23/10/2010	22.30		Continued.	To control Wardha-Warora line loading.
Pusad -Parbhani	30/10/2010	21.57	31/10/2010	08.26	To control C'pur-WRR Ckt.loading.
Kalwa-Mulund II	31/10/2010	00.48	31/10/2010	01.18	To Make TBC Free for Work of ICT-II Shifting to A Bus.
Kalwa-Mulund II	31/10/2010	01.36	31/10/2010	19.51	To Take ICT - II on TBC.
Babaleshwar - Chalisgaon	31/10/2010	15.29	31/10/2010	19.31	H/T at BBLSR end to control Dhule ICT loading.
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salshet - I	05/10/2010	15.44		Continued.	ICT overlading at Kalwa.
Voltage Level : 400KV			Outage Type TRIPPED		
Khadka - Deepnagar - II	29/09/2010	20.53	31/10/2010	14.20	DT Received @ Khadka.
400/220 KV 500 MVA ICT-II at Lamboti	10/10/2010	15.28		Continued.	Y-Ph Buchholz..
400/220 KV 600 MVA ICT-I @ Kalwa	19/10/2010	16.15		Continued.	Fire in 200 MVA ICT.
Lonikand- Koyna Stage IV	01/11/2010	00.31		Continued.	Over Voltage.
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.	Diff.Prot.CTR system operated.
Malegaon-Satana	30/10/2010	15.50	31/10/2010	08.25	R Ph Conductor Snapped @ Loc. No.71.
Warora - Wardha Power - II	30/10/2010	17.38		Continued.	R @ Y Ph C T Burst.
Kandalgaon-Lonand	31/10/2010	14.26	31/10/2010	14.36	Distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Girwali - Gangakhed	01/11/2010	03.19	01/11/2010	03.42	Distance protection Zone-I Y Ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Nov/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	70
Unit 4	105	0
Unit 5	200	130
Unit 6	210	140
Unit 7	210	0
	1040	480
Bhusawal		
Unit 1	58	45
Unit 2	210	0
Unit 3	210	160
	478	205
Parli		
Unit 1	30	19
Unit 2	30	19
Unit 3	210	172
Unit 4	210	155
Unit 5	210	160
Unit 6	250	160
Unit 7	250	180
	1190	865
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	150
Unit 4	210	170
Unit 5	500	350
Unit 6	500	400
Unit 7	500	420
	2340	1630
Paras		
Unit 2	55	40
Unit 3	250	175
Unit 4	250	200
	555	415
Khaparkheda		
Unit 1	210	210
Unit 2	210	200
Unit 3	210	195
Unit 4	210	170
	840	775
Nasik		
Unit 1	120	93
Unit 2	120	95
Unit 3	210	200
Unit 4	210	0
Unit 5	210	200
	870	588
Koyna		
Stage 1-2	600	600
Stage 4	1000	0
Stage 3	320	320
	1920	920
Uran		
All Units	852	630

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	630
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	41
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	10
GHATGHAR	250	0
	611	143
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		
RGPPL	960	1560
	960	1560
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	3670
	3143	3670