



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Nov/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Nov/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	104.692	1510.066	1) Madhya Pradesh	55.756	797.878
2) Hydro	3.032	58.637	2) Gujrat	19.053	233.020
3) Gas	15.587	212.446	3) Goa	-5.214	-82.106
Total MSGENCO	123.311	1781.149	4) TAPS 1&2 (Inj.)	4.081	55.258
B) OTHERS			5) Pench (Excess)	-0.172	-5.255
1) RGPPL Gas	35.733	501.223	# Total Cent. Sector	73.504	998.795
2) Wind Generation	1.385	76.025	F) Other Exchanges		
3) CPP / IPP	9.578	113.831	1) With TPCL (Excess)	-8.242	-143.237
4) PENCH (MS)	0.172	5.255	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.629	80.489
1) TPCL Thermal	21.836	362.124	Include PX	0.000	0.000
2) TPCL Hydro	2.390	43.478	2) MUMBAI Bilateral	9.153	157.617
TOTAL TPCL	24.226	405.602	Include PX	2.737	62.233
3) REL Thermal	12.555	162.741	3) MUMBAI Schedule	9.153	157.617
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	139.083	2034.931	1) MSEDCL	235.441	3333.041
2) Hydro (A2+B3+C2)	5.594	107.370	2) TPCL	29.359	473.030
3) Gas (A3+B1)	51.320	713.669	3) REL	15.663	238.532
4) Wind (B2)	1.385	76.025	TOTAL STATE	280.463	4044.603
5) CPP (B3)	9.578	113.831			
TOTAL STATE	206.960	3045.826			

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	4160	4442	4185
MSGENCO Hydro	174	520	62
MSGENCO Gas	630	662	651
MSGENCO Total Generation	4964	5624	4898
Central Sector Receipt	3426	3063	2835
RGPPL	1441	1533	1440
WIND	30	33	17
CPP / IPP	392	413	395
Exchange with TPCL	-386	-451	-199
MSEDCL DEMAND MET	9867	10242	9386
Load Shedding	1841	3206	306
MSEDCL DEMAND (INCL. LS)	11708	13448	9692
TPCL GENERATION	1066	1181	864
REL GENERATION	524	520	524
TPCL+REL DEMAND	1976	2152	1587
STATE DEMAND MET	11843	12394	10973
STATE DEMAND (INCL. LS)	13684	15600	11279
Frequency (Hz)	49.83	49.96	50.09
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3085 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			30.12 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.49 Hz at 15.06 Hrs	49.55 Hz at 17.40 Hrs	49.98	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 14/Nov/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.57	21.38	73	50	65
Unit 2	1.57	21.63	71	54	60
Unit 3	1.36	16.18	65	47	60
Unit 4	0.00	1.90	0	0	0
Unit 5	3.31	46.90	156	125	140
Unit 6	3.28	47.90	162	124	135
Unit 7	3.18	22.46	150	120	140
	14.27	178.36			600
Bhusawal					
Unit 1	0.17	6.28	19	0	25
Unit 2	1.59	26.25	145	0	0
Unit 3	4.13	54.98	180	155	180
	5.89	87.51			205
Parli					
Unit 1	0.53	6.33	25	21	19
Unit 2	0.50	7.02	22	20	19
Unit 3	0.00	41.60	0	0	0
Unit 4	3.97	52.56	189	155	170
Unit 5	2.79	43.01	132	100	140
Unit 6	4.43	54.05	240	116	155
Unit 7	5.01	56.89	255	176	180
	17.23	261.45			683
Chandrapur					
Unit 1	2.91	48.82	156	78	140
Unit 2	2.58	46.46	134	60	130
Unit 3	3.89	38.53	205	128	170
Unit 4	4.27	53.86	190	162	190
Unit 5	5.79	111.70	277	210	250
Unit 6	6.11	99.37	354	220	225
Unit 7	5.64	114.29	314	169	180
	31.18	513.01			1285
Paras					
Unit 2	0.94	8.24	42	36	40
Unit 3	3.84	32.72	191	112	200
Unit 4	3.46	63.79	195	68	225
	8.25	104.75			465
Khaparkheda					
Unit 1	4.70	63.80	205	165	210
Unit 2	1.27	18.66	173	0	0
Unit 3	4.72	59.94	202	178	195
Unit 4	4.13	56.69	178	161	170
	14.82	199.09			575
Nasik					
Unit 1	2.09	27.74	98	79	81
Unit 2	2.16	17.46	98	80	81
Unit 3	4.58	62.48	210	155	182
Unit 4	0.00	0.00	0	0	0
Unit 5	4.24	58.20	200	143	172
	13.06	165.88			516
Koyna					
Stage 1-2	1.36	22.10	175	35	600
Stage 4	0.00	2.41	0	0	250
Stage 3	0.23	6.14	126	0	320
	1.58	30.66			1170
Kovna 12&4 Total	1.36	24.52			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.59	212.45	670	626	630
		15.59	212.45			630
Hydro						
KDPH		0.00	0.00	0	0	0
VTRNA		0.00	0.00	0	0	0
TILLARI		0.37	5.88	60	0	60
BHTGR/VEER		0.12	0.52	6	5	2
BHIRA T.R.		0.20	2.68	80	0	80
RNGR+BHTSA		0.38	4.92	16	15	16
BHANDARDRA		0.00	0.03	0	0	0
ELDARY		0.10	0.64	8	0	0
SMLHY PTN		0.08	2.66	11	0	11
GHATGHAR		0.21	10.64	191	0	0
		1.45	27.98			169
PENCH (MS)						
Pench (MS)		0.17	5.26	27	0	
		0.17	5.26			
Wind						
MalharPeth		0.07	2.88			
Vankuswadi		0.29	8.64			
ATIT		0.03	1.34			
Kale		0.05	3.11			
Satara		0.07	9.47			
Shirala		0.07	3.23			
K Mahankal		0.20	4.27			
Supa		0.04	1.68			
Vita		0.29	14.04			
Dondaicha		0.04	12.56			
Sakri		0.00	2.36			
Nandurbar		0.01	1.30			
Khandke		0.11	6.90			
Khaparale		0.11	4.23			
		1.38	76.02			
CPP						
TOTAL CPP		9.58	113.83			
		9.58	113.83			
Dabhol						
RGPPL		35.73	501.22	1559	1438	1560
		35.73	501.22			1560
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		8.73	152.04	450	300	500
Trombay 6		3.60	73.11	150	150	500
Trombay 7A		2.89	40.29	123	119	120
Trombay 7B		1.61	22.49	67	66	60
Trombay 8		5.01	74.19	250	150	250
TATA Hydro		2.39	43.48	245	0	447
		24.23	405.60			1877
REL						
1&2		12.56	162.74	526	520	500
		12.56	162.74			500
Cent Sect						
Share						3443
						3443
MS PG CL	Thermal	104.69	1510.07			4329
	Thml+Gas	120.28	1722.51			4959
	Hydro	3.03	58.64			1339
	Total	123.31	1781.15			6298
State Total		206.96	3045.83			13678

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/Nov/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	4227	67	651	4945	1448	18	400	3042	2678	-473	-431	9083	657	9740	1892	11632	49.96
2	4169	62	652	4883	1440	13	397	2947	2843	-380	-327	9271	575	9846	1739	11585	50.04
3	4124	62	654	4840	1440	16	399	2867	2776	-302	-256	9215	448	9663	1644	11307	50.07
4	4185	62	651	4898	1440	17	395	2813	2835	-255	-199	9386	306	9692	1587	11279	50.09
5	4112	77	655	4844	1440	37	396	2777	2841	-217	-164	9394	527	9921	1549	11470	49.95
6	4083	66	660	4809	1556	71	395	2825	2906	-217	-172	9565	932	10497	1576	12073	50.04
7	4237	66	655	4958	1559	118	391	3006	2553	-217	-154	9425	1163	10588	1637	12225	50.07
8	4445	61	655	5161	1557	107	382	3015	2804	-232	-173	9838	880	10718	1646	12364	50.02
9	4495	76	652	5223	1509	69	392	3044	3085	-262	-227	10051	880	10931	1685	12616	49.91
10	4450	147	644	5241	1438	60	394	3273	3414	-384	-332	10215	1132	11347	1874	13221	49.86
11	4359	169	641	5169	1439	46	397	3337	3333	-406	-373	10011	1636	11647	1966	13613	49.99
12	4160	174	630	4964	1441	30	392	3349	3426	-429	-386	9867	1841	11708	1976	13684	49.83
13	4088	134	629	4851	1524	19	391	3331	3680	-420	-385	10080	1840	11920	1952	13872	49.81
14	4309	203	628	5140	1520	20	410	3315	3331	-396	-371	10050	1805	11855	1959	13814	49.86
15	4356	79	630	5065	1526	21	410	3241	3404	-372	-341	10085	1839	11924	1932	13856	49.99
16	4320	74	626	5020	1530	15	412	3107	3484	-358	-326	10135	1760	11895	1950	13845	50.05
17	4288	74	637	4999	1527	23	409	3084	3391	-334	-304	10045	1878	11923	1912	13835	49.95
18	4429	112	637	5178	1531	29	414	3124	3276	-334	-307	10121	2347	12468	1915	14383	49.96
19	4442	520	662	5624	1533	33	413	3239	3063	-489	-451	10242	3206	13448	2152	15600	49.96
20	4534	331	669	5534	1499	112	410	3452	2850	-560	-506	9926	2887	12813	2209	15022	50.02
21	4699	199	668	5566	1447	154	410	3452	3202	-560	-550	10256	1662	11918	2164	14082	50.04
22	4760	77	669	5506	1458	158	410	3268	2989	-536	-521	10023	0	10023	2082	12105	50.05
23	4727	72	662	5461	1465	125	413	3038	2887	-536	-522	9845	0	9845	2042	11887	49.99
24	4695	68	670	5433	1466	90	346	2769	2452	-482	-464	9328	0	9328	1983	11311	50.06
MUs	104.69	3.03	15.59	123.31	35.73	1.40	9.58	74.72	73.50	-9.15	-8.24	235.46	30.20	265.66	45.02	310.68	49.98

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 14/Nov/2010

Position as on 6.30 Hrs of 15/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
Koyana ST-IV 2	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Nasik Unit 4	210	15/09/2010	10.55		Continued.	Annual Overhaul.	16/11/2010
Cent_Sect Tarapur 1	80	10/10/2010	21.30		Continued.	Fuel Refulling.	14/11/2010
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
Khaparkheda Unit 2	210	04/11/2010	22.23	14/11/2010	12.52	Boiler Tube Leakage.	
Bhusawal Unit 2	210	09/11/2010	05.05	14/11/2010	06.34	Boiler Tube Leakage.	
Parli Unit 3	210	12/11/2010	22.13		Continued.	ESP Internal Inspection Work.	15/11/2010
Koradi Unit 4	115	13/11/2010	23.02		Continued.	Boiler Tube Leakage.	16/11/2010
Bhusawal Unit 1	58	14/11/2010	10.55		Continued.	Feed Line Problem.	
Nasik Unit 3	210	15/11/2010	02.40		Continued.	Boiler Tripped.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Nov/2010

Position as on 6.30 Hrs of 15/Nov/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	10/11/2010	08.35	14/11/2010	18.00	Bus section-II outage at Tarapur(Up to 15.11.2010.)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	22/10/2010	14.43		Continued.	Changeover.
Kolhapur - Mapusa - I	11/11/2010	22.30		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	11/11/2010	23.19	14/11/2010	08.24	Over Voltage.
Akola - Wardha - I	11/11/2010	23.47		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	13/11/2010	23.05		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Tillary-Amona	14/11/2010	17.32	14/11/2010	22.53	Hand Tripped.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudungi-Amona	14/11/2010	14.27		Continued.	Dist.Prot.R Ph - E142.5KM FROM Mudungi.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrapur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
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.
Parli - Chandrapur - III	14/11/2010	10.26		Continued.	Breaker Maintenance,Line 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.(Expected on 30.11.2010)
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.
220/132KV 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)
Bus coupler @ Bableshwar	11/11/2010	08.15		Continued.	Replacement of Breaker.
SPCL - IPCL	13/11/2010	12.41		Continued.	C B Overhauling Work @ IPCL End.
Wadkhal-IPCL-II	14/11/2010	09.20		Continued.	Overhauling Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Lonikand- Koyna Stage IV	14/11/2010	01.06	14/11/2010	08.19	Over Voltage.
Bhusawal- Aurangabad	14/11/2010	23.50	15/11/2010	06.12	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Borivali-Tata Borivali 4	19/10/2010	16.41		Continued.	To control ICT Kalwa loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 500 MVA ICT-II at Lamboti	10/10/2010	15.28		Continued.	Y-Ph Buchholz..
Karad - Kolhapur - I	06/11/2010	00.11		Continued.	Over Voltage
Karad-Lamboti	14/11/2010	15.50		Continued.	Dist.Prot. Z-I B Ph - Earth.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Nov/2010

Position as on 6.30 Hrs of 15/Nov/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad-New Koyna II	14/11/2010	20.30		Continued.	Dist.Prot.B Ph,Ready for Charging from 02.06 on dt 15.11.10.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	01/06/2010	03.57		Continued.	Oil Tank Burst. NEW 200 MVA T/F Errection in progress.
Babaleshwar - Chalisgaon	14/11/2010	05.35	14/11/2010	05.58	Distance Protection.
Parly (Ext.) - Beed - II	14/11/2010	06.01	14/11/2010	06.08	Dist.Prot. R Ph,Zone-I.
Kandalgaon-Khargar	14/11/2010	17.43	14/11/2010	19.00	Dist.Prot. Z-2 R Ph to Earth.
Kandalgaon - ONGC	14/11/2010	19.00	14/11/2010	19.50	Tripped Due to R Ph P T Burst of ONGC-TSS Line.
ONGC-TSS	14/11/2010	19.00	14/11/2010	22.18	Tripped Due to R Ph P T Burst of ONGC- TSS Line.
Karad-Pedambe	14/11/2010	19.39		Continued.	Dist.Prot. R Ph -E Ckt Tripped Both end,Declared Faulty.
Voltage Level : 132KV			Outage Type TRIPPED		
Butibori MIDC-Khapri Cky.	08/11/2010	10.10		Continued.	Dist.Prot.Y Ph.and B Ph.B/D decleared.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Nov/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	
Unit 2	105	
Unit 3	105	
Unit 4	105	
Unit 5	200	
Unit 6	210	
Unit 7	210	
	1040	
Bhusawal		
Unit 1	58	
Unit 2	210	
Unit 3	210	
	478	
Parli		
Unit 1	30	
Unit 2	30	
Unit 3	210	
Unit 4	210	
Unit 5	210	
Unit 6	250	
Unit 7	250	
	1190	
Chandrapur		
Unit 1	210	
Unit 2	210	
Unit 3	210	
Unit 4	210	
Unit 5	500	
Unit 6	500	
Unit 7	500	
	2340	
Paras		
Unit 2	55	
Unit 3	250	
Unit 4	250	
	555	
Khaparkheda		
Unit 1	210	
Unit 2	210	
Unit 3	210	
Unit 4	210	
	840	
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	
Unit 4	210	
Unit 5	210	
	870	
Koyna		
Stage 1-2	600	
Stage 4	1000	
Stage 3	320	
	1920	
Uran		
All Units	852	

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