



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Oct/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 18/Oct/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	100.763	1520.234	1) Madhya Pradesh	64.583	939.316
2) Hydro	9.209	427.731	2) Gujrat	22.256	616.019
3) Gas	15.113	267.589	3) Goa	-6.567	-106.964
Total MSGENCO	125.085	2215.554	4) TAPS 1&2 (Inj.)	7.779	122.944
B) OTHERS			5) Pench (Excess)	-0.450	-10.106
1) RGPPL Gas	33.195	616.132	# Total Cent. Sector	87.601	1561.209
2) Wind Generation	1.608	45.313	F) Other Exchanges		
3) CPP	40.090	598.117	1) With TPCL (Excess)	-13.504	-172.107
4) PENCH (MS)	0.450	10.899	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	29.344	545.580
1) TPCL Thermal	28.328	536.067	Include PX	0.000	175.412
2) TPCL Hydro	3.602	66.941	2) MUMBAI Bilateral	14.296	211.634
TOTAL TPCL	31.930	603.008	Include PX	1.616	18.221
3) REL Thermal	12.576	225.040	3) MUMBAI Schedule	14.296	212.659
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	141.667	2281.341	1) MSEDCL	274.525	4875.117
2) Hydro (A2+B3+C2)	13.261	505.571	2) TPCL	39.180	665.786
3) Gas (A3+B1)	48.308	883.721	3) REL	19.285	334.822
4) Wind (B2)	1.608	45.313	TOTAL STATE	332.990	5875.725
5) CPP (B3)	40.090	598.117			
TOTAL STATE	244.934	4314.063			

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	4116	4211	4069
MSGENCO Hydro	834	1215	78
MSGENCO Gas	623	622	643
MSGENCO Total Generation	5573	6048	4790
Central Sector Receipt	3815	3781	3236
RGPPL	1387	1387	1372
WIND	15	46	103
CPP	1698	1686	1658
Exchange with Mumbai	-722	-713	-73
MSEDCL DEMAND MET	11766	12271	11109
Load Shedding (LS)	1949	1341	495
MSEDCL DEMAND (INCL. LS)	13715	13612	11604
TPCL GENERATION	1704	1582	1076
REL GENERATION	523	522	525
TPCL+REL DEMAND	2949	2817	1674
STATE DEMAND MET	14715	15088	12783
Load Management (LM)	1738	2814	1559
Total Load Relief (LS+LM)	3687	4155	2054
UNRESTRICTED STATE DEMAND	18402	19243	14837
Frequency (Hz)	49.65	49.66	49.61

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 16.07 Hrs	49.23 Hz at 14.16 Hrs	49.71	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 18/Oct/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.52	58.90	198	126	150
Unit 6	3.52	47.37	170	105	120
Unit 7	0.00	22.85	0	0	0
	7.04	129.11			270
Bhusawal					
Unit 2	0.00	0.60	0	0	0
Unit 3	3.80	64.36	165	135	160
Unit 4	0.00	3.62	0	0	
	3.80	68.58			160
Parli					
Unit 3	3.08	56.26	143	109	152
Unit 4	3.10	5.22	152	109	125
Unit 5	2.63	54.19	135	0	125
Unit 6	4.36	70.04	201	169	160
Unit 7	0.00	0.00	0	0	0
	13.16	185.72			562
Chandrapur					
Unit 1	3.96	68.59	171	160	165
Unit 2	3.22	56.84	139	128	130
Unit 3	4.49	73.86	192	170	185
Unit 4	4.59	12.67	199	180	195
Unit 5	9.12	137.34	430	335	400
Unit 6	8.93	135.43	430	325	400
Unit 7	9.60	144.99	425	370	425
	43.90	629.71			1900
Paras					
Unit 3	2.64	51.43	173	62	70
Unit 4	2.28	30.10	120	72	70
	4.93	81.52			140
Khaparkheda					
Unit 1	4.06	63.34	200	140	150
Unit 2	3.99	49.27	180	153	150
Unit 3	4.05	68.41	185	150	150
Unit 4	4.49	70.13	214	159	160
Unit 5	2.78	24.80	175	72	
	19.37	275.97			610
Nasik					
Unit 1	0.00	0.00	0	0	
Unit 2	0.00	0.00	0	0	
Unit 3	3.06	53.28	165	50	150
Unit 4	2.96	45.17	152	62	140
Unit 5	2.55	51.17	155	60	140
	8.56	149.62			430
Uran					
All Units	15.11	267.59	643	615	620
	15.11	267.59			620
Dabhol					
RGPPL	33.20	616.13	1387	1372	0
	33.20	616.13			0
Koyna					
Stage 1-2	3.38	122.02	375	35	600
Stage 4	2.91	199.88	700	0	250
Stage 3	1.80	69.82	318	0	320
	8.09	391.71			1170
Kovna 12&4 Total	6.29	321.90			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	1.40	0	0	0
VTRNA	0.00	0.89	0	0	0
TILLARI	0.36	7.27	60	0	60
BHTGR/VEER	0.02	1.95	1	1	2
BHIRA T.R.	0.27	5.44	41	0	40
RNGR+BHTSA	0.33	5.68	15	0	17
BHANDARDRA	0.00	2.20	0	0	0
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.13	8.45	12	2	11
GHATGHAR	0.00	2.74	0	0	
	1.12	36.02			130
PENCH (MS)					
Pench (MS)	0.45	10.90	49	0	
	0.45	10.90			
Wind					
MalharPeth	0.11	2.64			
Vankuswadi	0.20	5.15			
ATIT	0.05	0.74			
Kale	0.10	1.60			
Satara	0.22	5.88			
Shirala	0.12	1.80			
K Mahankal	0.13	2.35			
Supa	0.08	1.41			
Vita	0.31	5.99			
Dondaicha	0.08	9.82			
Sakri	0.01	1.49			
Nandurbar	0.04	1.25			
Khandke	0.12	3.44			
Khaparale	0.04	1.75			
	1.61	45.31			
CPP					
JSW JAIGAD	24.80	350.21	1052	989	960
WARDHA	10.30	166.30	435	418	433
Other CPPs	4.99	81.61			
	40.09	598.12			1393
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.75	208.14	490	485	490
Trombay 6	6.52	149.58	500	155	500
Trombay 7A	2.65	46.38	121	71	120
Trombay 7B	1.50	26.68	66	53	60
Trombay 8	5.90	105.28	247	245	250
TATA Hydro	3.60	66.94	357	0	447
	31.93	603.01			1867
REL					
1&2	12.58	225.04	526	522	500
	12.58	225.04			500
Cent Sect					
Share					4993
					4993

MS PG CL	Thermal	100.76	1520.23			4072
	Thml+Gas	115.88	1787.82			4692
	Hydro	9.21	427.73			1300
	Total	125.08	2215.55			5992
State Total		244.93	4314.06			14745

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/Oct/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	4041	373	641	5055	1372	115	1656	3086	3503	-455	-409	11309	2196	11510	2014	15519	49.61
2	4140	108	643	4891	1372	109	1663	2987	3407	-357	-228	11237	2268	11629	1825	15330	49.77
3	4140	68	641	4849	1372	90	1643	2966	3302	-312	-127	11152	1968	11625	1728	14848	49.69
4	4069	78	643	4790	1372	103	1658	2935	3236	-280	-73	11109	2054	11604	1674	14837	49.61
5	4050	98	640	4788	1372	117	1652	2935	3318	-280	-58	11212	2023	11715	1660	14895	49.65
6	4059	686	628	5373	1372	98	1660	2956	3395	-280	-141	11780	2237	12443	1744	15761	49.59
7	4156	483	634	5273	1386	100	1656	3194	3277	-325	-254	11462	3148	12880	1855	16465	49.68
8	4213	458	636	5307	1387	81	1656	3095	3185	-372	-412	11228	3493	12800	1996	16717	49.77
9	4094	227	626	4947	1386	67	1668	3097	3410	-402	-624	10854	3606	12438	2282	16742	49.72
10	4110	195	624	4929	1387	43	1690	3477	3454	-610	-756	10747	3855	12774	2633	17235	49.68
11	4113	262	622	4997	1387	24	1703	3710	4046	-814	-710	11447	3734	13484	2891	18072	49.68
12	4116	834	623	5573	1387	15	1698	3769	3815	-878	-722	11766	3687	13715	2949	18402	49.65
13	4183	569	626	5378	1387	9	1674	3767	3862	-858	-654	11656	3843	13759	2906	18405	49.76
14	4302	253	623	5178	1387	14	1675	3743	3906	-834	-568	11592	3611	13493	2799	18002	49.79
15	4318	257	623	5198	1386	22	1671	3690	3692	-858	-715	11254	3704	13356	2866	17824	49.73
16	4252	323	628	5203	1387	68	1611	3561	3562	-858	-833	10998	3953	13425	2894	17845	49.70
17	4198	126	624	4948	1387	49	1623	3537	3911	-834	-857	11061	4263	13596	2870	18194	49.75
18	4189	123	630	4942	1387	87	1681	3482	3566	-770	-760	10903	4017	12906	2807	17727	49.63
19	4211	1215	622	6048	1387	46	1686	3488	3781	-727	-713	12271	4155	13612	2817	19243	49.66
20	4243	1202	622	6067	1387	79	1691	3696	3844	-752	-685	12430	3853	13373	2795	19078	49.74
21	4362	608	628	5598	1387	59	1703	3639	4297	-677	-825	12266	3608	12983	2773	18647	49.80
22	4458	253	630	5341	1387	58	1691	3626	4332	-669	-900	11952	3380	12460	2565	17897	49.85
23	4354	223	641	5218	1387	89	1692	3332	3929	-546	-790	11573	3200	12019	2379	17152	49.75
24	4392	187	615	5194	1387	66	1689	3223	3571	-546	-690	11266	2777	11578	2288	16331	49.80
MUs	100.76	9.21	15.11	125.09	33.20	1.61	40.09	80.99	87.60	-14.30	-13.50	274.52	78.63	305.18	58.01	411.17	49.71

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 18/Oct/2011

Position as on 6.30 Hrs of 19/Oct/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Dabhol 1B	230	05/09/2011	23.57		Continued.	Generator Inspection	22/10/2011
Cent_Sect NTPC(K-4)	500	08/09/2011	14.26		Continued.	Annual Overhaul	23/10/2011
Parli Unit 7	250	24/09/2011	18.53		Continued.	Main steam temp.low.	
Koradi Unit 7	210	08/10/2011	23.43		Continued.	Annual overhaul.	03/11/2011
FORCED OUTAGE							
Cent_Sect NTPC(V-4)	210	15/10/2011	13.10		Continued.	G.T.Fire	
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	
Bhusawal Unit 2	210	17/10/2011	13.24	19/10/2011	03.38	Low Drum Level	
Koyna Unit 9	80	18/10/2011	12.53	18/10/2011	15.00	Bus Fault @ Pedambe.	
Koyna Unit 11	80	18/10/2011	12.53	18/10/2011	15.00	Bus Fault @ Pedambe.	
Parli Unit 5	210	18/10/2011	22.10		Continued.	Air Heater Motor Replacement Work.	
Uran Unit 6	108	19/10/2011	00.16		Continued.	Suspected BTL.	24/10/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 18/Oct/2011

Position as on 6.30 Hrs of 19/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli-Parli (PGCIL)-II	08/10/2011	19.20		Continued.	H/T due to CVT fuse blown off at PGCIL end.
Parli (PG)-Bhadravati I	08/10/2011	19.50		Continued.	Over Voltage
Akola - Wardha - I	16/10/2011	22.10		Continued.	Over Voltage
Kolhapur - Mapusa - I	17/10/2011	16.34	18/10/2011	09.47	Over Voltage
Parli (PGCIL)-Bhadravati-II	17/10/2011	20.10		Continued.	Over Voltage
Karad - Solapur (PGCIL)	17/10/2011	20.14		Continued.	Over Voltage
Dhule - S'Sarovar- II	18/10/2011	00.43	18/10/2011	10.55	Over Voltage
Kolhapur - Mapusa - II	18/10/2011	23.11		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
New Koyna - Jaigad - II	18/10/2011	11.23	18/10/2011	16.05	Metering Work.
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 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT Upto 15.10.2011
Kalwa-Mulund-I	14/10/2011	16.07		Continued.	Taken on TBC for replacement of 29A isolator.
220/110 KV 200 MVA ICT - I @ Kolhapur	17/10/2011	10.25		Continued.	Q.M.Work
Karad - Vita - I	18/10/2011	09.47	18/10/2011	13.01	Q.M.Work & Crimping Work.
220/132 KV 200 MVA ICT-I @ Bale	18/10/2011	10.00	18/10/2011	12.56	Attending Hot Spot to 132KV Isolator.
Uran - Kharghar	18/10/2011	10.06	18/10/2011	17.34	Hot Spot Attending Work.
Karad-Vita-II	18/10/2011	14.19	18/10/2011	18.22	Q.M.Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Boiser - Palghar - I	18/10/2011	07.23	18/10/2011	19.05	Control Relay Panel Testing Work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kandalgaon-Roha-I	18/10/2011	09.10	18/10/2011	15.18	Replacement of Isolator @ Roha End.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/33KV 125MVA T/F- V at Versova	17/10/2011	23.29	18/10/2011	01.20	Emergency outage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	08/10/2011	17.22		Continued.	To control Over Voltage.
Bhusawal- Aurangabad	18/10/2011	20.15	19/10/2011	05.19	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	12/10/2011	19.56		Continued.	For System Stability.
Bale-Murud	16/10/2011	05.08		Continued.	To control Parli ICT loading.
Bale-Osmanbad	16/10/2011	05.08		Continued.	To control Parli ICT loading
Pedambe - Pophali - II	18/10/2011	18.25	19/10/2011	02.40	Conductor Snapped @ Pophali End.
Padgha-Temghar I	18/10/2011	18.46		Continued.	To Control Padgha ICT Loading.
Padgha - Temghar - II	18/10/2011	18.48		Continued.	To Control Padgha ICT Loading.
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.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 18/Oct/2011

Position as on 6.30 Hrs of 19/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
400/220KV,500 MVA ICT-III at Nagothane.	29/09/2011	15.20		Continued.	NDR Trip.
400/220KV,100 MVA Spare Unit at Korady	04/10/2011	10.50		Continued.	Buchholz Alarm Recieved.
Voltage Level : 220KV			Outage Type TRIPPED		
Pedambe - Pophali - II	18/10/2011	12.53	18/10/2011	17.07	Bus Bar Protection Operated.
Pedambe - Karad	18/10/2011	12.53	18/10/2011	14.40	Bus Bar Protection Operated.
Pedambe - Tambati	18/10/2011	12.53	18/10/2011	14.11	Bus Bar Protection Operated.
Pedambe-Newkoyna	18/10/2011	12.53	18/10/2011	14.38	Tripped @ Newkoyna End Due to Bus Bar Operated @ Pedambe.
220 KV Bus Bar @ New Koyna	18/10/2011	12.53	18/10/2011	13.18	Bus Bar Protection Operated @ Pedambe.
Oni - Kharepatan	18/10/2011	12.53	18/10/2011	13.10	Bus Bar Protection Operated.
Bus Section - II @ Pedambe	18/10/2011	12.53	18/10/2011	14.05	Bus Bar Protection Operated.
Pedambe - Oni	18/10/2011	12.53		Continued.	B Ph Insulator Bus & Jumper Opened.
Dondaicha - Jamde - I	18/10/2011	17.12		Continued.	Towers Damaged.
Dondaicha - Jamde - II.	18/10/2011	17.12		Continued.	Towers Damaged.
Pedambe-Mahad	18/10/2011	17.14	18/10/2011	18.12	Distance Protection.
Pedambe - Tambati	18/10/2011	17.14	18/10/2011	18.40	Distance Protection.
Pedambe-Newkoyna	18/10/2011	17.18	18/10/2011	18.10	Distance Protection Due to Heavy Rains @ Lighting.
Dondaicha - Walve	18/10/2011	17.18		Continued.	Towers Damaged.
Lamboti - Pandharpur	18/10/2011	19.19	19/10/2011	00.43	Distanace Protection R Ph. C C Burst.
Lonikand-Ranjangaon	19/10/2011	05.04	19/10/2011	05.38	Distance Protection.
null					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
50 MVAR Reactor of 400 KV Padgha-Bhoisor line	17/10/2011	19.47		Continued.	Oil Leakage at Padgha Reactor

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 19/Oct/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	155
Unit 6	210	162
Unit 7	210	0
	620	317
Bhusawal		
Unit 2	210	50
Unit 3	210	140
Unit 4	500	
	920	190
Parli		
Unit 3	210	155
Unit 4	210	115
Unit 5	210	0
Unit 6	250	165
Unit 7	250	0
	1130	435
Chandrapur		
Unit 1	210	160
Unit 2	210	130
Unit 3	210	190
Unit 4	210	190
Unit 5	500	370
Unit 6	500	370
Unit 7	500	370
	2340	1780
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	210
Unit 2	210	200
Unit 3	210	200
Unit 4	210	210
Unit 5	500	
	1340	820
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	145
Unit 4	210	135
Unit 5	210	126
	870	406
Uran		
All Units	852	460
	852	460
Dabhol		
RGPP	1940	0
	1940	0
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	0
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	12
GHATGHAR	250	0
	611	127
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	985
WARDHA	405	433
Other CPPs	0	
	1005	1418
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	500
	500	500
Cent Sect		
Share	3455	5113
	3455	5113