



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Jan/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Jan/2011 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	120.503	2010.264	1) Madhya Pradesh	43.486	662.666
2) Hydro	15.640	256.059	2) Gujrat	33.764	404.727
3) Gas	12.933	210.872	3) Goa	-6.175	-97.385
Total MSGENCO	149.076	2477.195	4) TAPS 1&2 (Inj.)	7.880	126.005
B) OTHERS			5) Pench (Excess)	-0.175	-7.244
1) RGPPL Gas	35.824	535.704	# Total Cent. Sector	78.780	1088.769
2) Wind Generation	1.612	46.716	F) Other Exchanges		
3) CPP / IPP	23.845	365.158	1) With TPCL (Excess)	-0.607	-62.816
4) PENCH (MS)	0.175	7.244	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	16.248	256.275
1) TPCL Thermal	20.159	343.607	Include PX	0.000	0.000
2) TPCL Hydro	1.790	60.731	2) MUMBAI Bilateral	0.864	64.415
TOTAL TPCL	21.949	404.338	Include PX	-2.711	-16.122
3) REL Thermal	12.679	201.357	3) MUMBAI Schedule	0.864	66.400
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	153.341	2555.228	1) MSEDCL	288.705	4457.970
2) Hydro (A2+B3+C2)	17.605	324.034	2) TPCL	23.031	446.899
3) Gas (A3+B1)	48.757	746.576	3) REL	12.202	221.586
4) Wind (B2)	1.612	46.716	TOTAL STATE	323.938	5126.455
5) CPP (B3)	23.845	365.158			
TOTAL STATE	245.160	4037.712			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4836	5057	5041
MSGENCO Hydro	1199	535	147
MSGENCO Gas	494	593	508
MSGENCO Total Generation	6529	6185	5696
Central Sector Receipt	3845	3382	2352
RGPPL	1519	1519	1395
WIND	64	106	96
CPP / IPP	1025	980	930
Exchange with Mumbai	37	-43	10
MSEDCL DEMAND MET	13019	12162	10479
Load Shedding	2063	3361	0
MSEDCL DEMAND (INCL. LS)	15082	15523	10479
TPCL GENERATION	1184	1246	638
REL GENERATION	528	527	530
TPCL+REL DEMAND	1675	1816	1158
STATE DEMAND MET	14694	13978	11637
STATE DEMAND (INCL. LS)	16757	17339	11637
Frequency (Hz)	49.93	49.88	50.12
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3546 MW AT 20.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			42.96 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.42 Hz at 05.02 Hrs	49.53 Hz at 20.04 Hrs	49.97	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 16/Jan/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1		11.85			
Unit 2		8.44			
Unit 3		12.29			
Unit 4		9.33			
Unit 5	3.87	47.69	169	156	170
Unit 6	0.00	0.00	0	0	0
Unit 7	4.24	54.67	190	155	190
	8.11	144.26			360
Bhusawal					
Unit 1		0.00			
Unit 2	3.81	55.46	185	130	160
Unit 3	4.64	72.86	200	180	200
	8.45	128.32			360
Parli					
Unit 1		0.00			
Unit 2		0.00			
Unit 3	4.24	64.70	183	169	180
Unit 4	4.54	68.87	195	178	195
Unit 5	4.71	72.75	209	169	201
Unit 6	5.84	82.96	254	232	230
Unit 7	0.00	63.28	0	0	0
	19.32	352.57			806
Chandrapur					
Unit 1	3.67	58.88	160	138	165
Unit 2	3.60	43.72	164	138	150
Unit 3	3.23	69.19	200	0	190
Unit 4	4.43	66.92	195	160	200
Unit 5	11.34	167.77	500	440	475
Unit 6	11.26	164.58	490	440	480
Unit 7	11.38	164.50	482	465	480
	48.90	735.56			2140
Paras					
Unit 2		0.00			
Unit 3	3.24	70.72	147	122	111
Unit 4	5.22	79.19	237	201	188
	8.46	149.91			299
Khaparkheda					
Unit 1	4.66	77.36	210	160	210
Unit 2	4.62	75.23	202	184	200
Unit 3	4.31	77.28	192	160	190
Unit 4	0.00	12.53	0	0	0
	13.59	242.39			600
Nasik					
Unit 1	2.14	32.95	103	78	81
Unit 2	2.11	27.27	96	77	81
Unit 3	4.70	64.10	210	185	192
Unit 4	4.71	67.92	210	170	192
Unit 5	0.00	65.00	0	0	0
	13.67	257.24			546
Koyna					
Stage 1-2	2.10	55.19	265	25	600
Stage 4	6.05	89.16	679	0	250
Stage 3	1.98	31.38	226	0	240
	10.14	175.73			1090
Kovna 12&4 Total	8.16	144.35			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		12.93	210.87	595	490	530
		12.93	210.87			530
Hydro						
KDPH		0.46	3.88	20	19	18
VTRNA		0.00	13.82	0	0	0
TILLARI		0.38	5.93	60	0	60
BHTGR/VEER		0.53	6.79	22	22	20
BHIRA T.R.		0.28	3.40	82	0	80
RNGR+BHTSA		0.41	5.81	17	17	16
BHANDARDRA		0.00	0.00	0	0	0
ELDARY		0.53	2.39	23	20	0
SMLHY PTN		0.84	13.38	42	32	18
GHATGHAR		2.06	24.93	250	0	0
		5.50	80.33			212
PENCH (MS)						
Pench (MS)		0.18	7.24	53	0	
		0.18	7.24			
Wind						
MalharPeth		0.06	1.75			
Vankuswadi		0.13	4.85			
ATIT		0.02	0.77			
Kale		0.06	1.61			
Satara		0.09	3.15			
Shirala		0.07	1.90			
K Mahankal		0.04	2.50			
Supa		0.13	1.31			
Vita		0.22	8.32			
Dondaicha		0.50	10.98			
Sakri		0.07	1.83			
Nandurbar		0.07	0.99			
Khandke		0.12	4.14			
Khaparale		0.03	2.61			
		1.61	46.72			
CPP						
TOTAL CPP		23.84	365.16			
		23.84	365.16			
Dabhol						
RGPPL		35.82	535.70	1542	1392	1560
		35.82	535.70			1560
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.13	160.74	490	275	500
Trombay 6		0.00	22.73	0	0	0
Trombay 7A		2.98	47.77	129	118	120
Trombay 7B		1.63	26.19	69	66	60
Trombay 8		5.41	86.17	252	150	250
TATA Hydro		1.79	60.73	319	0	447
		21.95	404.34			1377
REL						
1&2		12.68	201.36	530	526	500
		12.68	201.36			500
Cent Sect						
Share						3125
						3125
MS PG CL	Thermal	120.50	2010.26			5111
	Thml+Gas	133.44	2221.14			5641
	Hydro	15.64	256.06			1302
	Total	149.08	2477.20			6943
State Total		245.16	4037.71			14255

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/Jan/2011

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	5055	152	490	5697	1396	96	941	2723	2510	-53	-54	10586	0	10586	1301	11887	50.00
2	5041	147	508	5696	1395	96	930	2735	2352	-5	10	10479	0	10479	1158	11637	50.12
3	5050	147	499	5696	1396	80	936	2544	2523	20	29	10660	0	10660	1124	11784	50.11
4	5025	157	512	5694	1395	59	952	2482	2745	44	50	10895	0	10895	1101	11996	50.21
5	5114	158	520	5792	1392	56	944	2547	2962	44	38	11184	0	11184	1112	12296	50.13
6	5108	153	519	5780	1504	61	990	2981	2885	44	54	11274	1122	12396	1161	13557	50.03
7	5149	138	519	5806	1539	58	1059	3085	3030	120	122	11614	1529	13143	1296	14439	49.94
8	5146	542	548	6236	1542	89	1063	3107	3775	96	85	12790	1530	14320	1343	15663	49.86
9	5037	1012	545	6594	1535	105	1076	3245	3786	-50	-39	13057	1683	14740	1483	16223	49.76
10	4929	1559	496	6984	1531	51	1030	3200	3482	129	103	13181	1885	15066	1613	16679	49.90
11	4893	1519	491	6903	1522	58	1027	3357	3376	41	41	12927	2102	15029	1669	16698	49.87
12	4836	1199	494	6529	1519	64	1025	3355	3845	41	37	13019	2063	15082	1675	16757	49.93
13	4867	1148	503	6518	1511	54	1030	3598	4238	-216	-192	13159	2057	15216	1674	16890	49.80
14	4827	996	568	6391	1520	24	1028	3511	4120	-164	-145	12938	2033	14971	1599	16570	50.06
15	4913	1011	587	6511	1509	19	1018	3394	3903	-116	-95	12865	2046	14911	1501	16412	49.93
16	4953	1296	562	6811	1509	15	1022	3242	3627	-88	-64	12920	2073	14993	1474	16467	49.93
17	5001	1179	583	6763	1508	18	1028	3216	3407	-61	-48	12676	2071	14747	1469	16216	49.88
18	5055	929	593	6577	1515	23	1031	3232	3883	-61	-42	12987	2082	15069	1470	16539	49.98
19	5113	899	595	6607	1521	58	1002	3049	3425	18	30	12663	2991	15654	1645	17299	50.07
20	5057	535	593	6185	1519	106	980	3197	3382	-54	-43	12162	3361	15523	1816	17339	49.88
21	5078	304	590	5972	1520	124	946	3202	2950	-54	-67	11487	3304	14791	1802	16593	49.88
22	5115	154	516	5785	1527	98	948	3361	2847	-208	-163	11095	3192	14287	1718	16005	50.04
23	5070	159	515	5744	1525	86	928	3339	3091	-226	-185	11216	0	11216	1588	12804	49.93
24	5071	147	587	5805	1474	114	911	2942	2636	-105	-69	10871	0	10871	1443	12314	50.04
MUs	120.50	15.64	12.93	149.08	35.82	1.61	23.84	74.64	78.78	-0.86	-0.61	288.70	37.12	325.83	35.24	361.06	49.97

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 16/Jan/2011

Position as on 6.30 Hrs of 17/Jan/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 6	210	26/12/2010	09.23		Continued.	Annual Overhaul.	27/01/2011
Khaparkheda Unit 4	210	03/01/2011	15.26		Continued.	Capital Overhaul.	07/02/2011
Dabhol 3B	230	04/01/2011	16:44		Continued.	Rehabilitation work.	05/03/2011
Tata Trombay 6	500	07/01/2011	00.04		Continued.	Capital overhaul.	31/01/2011
Uran Unit A0	120	07/01/2011	05.57	16/01/2011	13.17	Main T/F oil leakage attending work.	
Koyna Unit 11	80	13/01/2011	07.45		Continued.	Retrofitting work of excitation system.	13/02/2011
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.	
Parli Unit 7	250	14/01/2011	11.21		Continued.	M.S.Temp.Low	17/01/2011
Nasik Unit 5	210	15/01/2011	21:10		Continued.	Boiler Tube Leakage.	18/01/2011
Uran Unit 6	108	16/01/2011	00.01	16/01/2011	00.25	Boiler Protection.	
Koyna Unit 4	75	16/01/2011	05.35		Continued.	Main Bus-I outage at Pophali	18/01/2011
Koyna Unit 3	75	16/01/2011	05.55	16/01/2011	16.50	Main Bus-I outage at Pophali	
Koyna Unit 2	75	16/01/2011	06.10	16/01/2011	17.00	Main Bus-I outage at Pophali	
Koyna Unit 1	75	16/01/2011	06.20	16/01/2011	17.10	Main Bus-I outage at Pophali	
Chandrapur Unit 3	210	16/01/2011	08.21	16/01/2011	13.39	BFP Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jan/2011

Position as on 6.30 Hrs of 17/Jan/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad - II	16/01/2011	11.11	16/01/2011	19.42	To Attend Bydrolce Oil Pressure & Tie C B @ Akola.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
BOISER - PGCIL-II	16/01/2011	08.00	16/01/2011	16.24	Replacement of Conductor.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	09/01/2011	23.34	16/01/2011	10.01	Over Voltage.
Dhule-Sar'Sarovar - I	15/01/2011	00.05	16/01/2011	10.02	Over Voltage
Akola - Wardha - I	15/01/2011	21.24	16/01/2011	08.47	Over Voltage
Kolhapur - Mapusa - I	16/01/2011	21.44		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	16/01/2011	21.46		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
NASIK-NAVSARI-II	16/01/2011	12.33	16/01/2011	13.57	Distance Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315MVA ICT-II @ Karad	04/01/2011	19.38		Continued.	H.V.Side BKR Repl.Work,Kept on TBC.
50 MVAR Reactor 400 KV Koradi Ckt-I @ Bhusawal-II	14/01/2011	18.48		Continued.	Oil Filtration work
Chandrapur - Parli - I	15/01/2011	08.43		Continued.	Attending R phase pole oil leakage,line on TBC
Akola-Koradi	15/01/2011	10.10		Continued.	Main Breaker DCRM Testing Line taken on Tie Bkr.
Bhusawal- Aurangabad	16/01/2011	08.07	16/01/2011	16.34	For Line Crossing @ Deepnagar.
New Koyna - Koyna Stage IV - II	16/01/2011	08.15	16/01/2011	18.03	Relay Retrofitting @ NewKoyna.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-III @ Kalwa	14/12/2010	08.39		Continued.	For Augumentation from 125MVA to 200MVA.
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(Six Month Outage.)Up to 09.05.2011.
220/132 KV 100 MVA ICT-II @ Babaleshwar	25/12/2010	12:15		Continued.	Augumentation by 200MVA ICT
220/132 KV 100 MVA ICT-II @ Bhusawal	02/01/2011	08.58		Continued.	Replacement of 100 MVA By 200 MVA ICT(Upto 23.01.2011).
220/100 KV125 MVA ICT-III @ Trombay	06/01/2011	12.03		Continued.	Augumentation by New 200 MVA ICT up to 20.03.2011.
Parly - New Parly TPS - I	13/01/2011	11.47		Continued.	Line isolator replacement work.
220/6.6KV 40MVA Stn.T/F -IV at K'Kheda	14/01/2011	12.26		Continued.	Oil Filtration work(10Days)
Main Bus Section - I @ Pophali	16/01/2011	06.30	16/01/2011	16.38	Preventive maint.Work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Pusad-Jambazar	16/01/2011	10.07	16/01/2011	13.28	To Attend Air Leakage of Compressor of Main Ckt Bkr @ Jambazar.
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
HVDC POLE - II	15/01/2011	19.36	16/01/2011	03.25	Attending Oil Leakages of Converter T/F @ Padgha.
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jan/2011

Position as on 6.30 Hrs of 17/Jan/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
400/11.5KV 90 MVA STN T/F- V @ 400 KV Chandrapur	12/12/2010	08.00		Continued.	To Attend Oil Leakage
Bhusawal- Aurangabad	15/01/2011	20.12	16/01/2011	05.24	Over Voltage
Karad - Kolhapur - II	15/01/2011	21.34	16/01/2011	07.03	Over Voltage
Lonikand- Koyna Stage IV	16/01/2011	02.07	16/01/2011	07.08	Over Voltage
Bhusawal- Aurangabad	16/01/2011	20.35		Continued.	Over Voltage.
Karad - Kolhapur - II	16/01/2011	21.47	17/01/2011	06.19	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Lote - Dasturi	07/01/2011	21.01		Continued.	B phase Crossarm Bend at Loc.No.97
Babaleshwar - Bhenda	10/01/2011	09.30		Continued.	To Control Babaleshwar ICT Load.
Chandrapur-Warora - I	13/01/2011	08.25		Continued.	To control Warora-Hinganghat line load
Dhule-Chalisgaon	15/01/2011	07.18		Continued.	To control load on Dhule ICT
Pophali - KDPH	16/01/2011	05.25	16/01/2011	16.35	Main Bus-I outage at Pophali
Pophali - Pedambe	16/01/2011	05.54	16/01/2011	16.48	Main Bus-I outage at Pophali
Pophali-K'gaon	16/01/2011	06.25	16/01/2011	16.50	Main Bus-I outage at Pophali
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salshet - I	12/01/2011	13.46		Continued.	H/T from Kalwa end
Voltage Level : 220KV			Outage Type TRIPPED		
220/132KV 100 MVA ICT-I @Padegaon	26/12/2010	13.30		Continued.	ICT on TBC for Main Breaker Replacement.
220/33 KV 100 MVA ICT IV at Jamde	09/01/2011	12.42		Continued.	Tripped.Declared Fail.
Babaleshwar - Nagar - I	16/01/2011	17.01	16/01/2011	17.06	Load Trimming.
Babaleshwar - Nagar - II	16/01/2011	17.01	16/01/2011	17.06	Load Trimming
Voltage Level : 132KV			Outage Type TRIPPED		
Kalmeshwar - Katol	16/01/2011	04.35	16/01/2011	04.51	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Jan/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	
Unit 2	105	
Unit 3	105	
Unit 4	105	
Unit 5	200	165
Unit 6	210	0
Unit 7	210	180
	1040	345
Bhusawal		
Unit 1	58	
Unit 2	210	200
Unit 3	210	200
	478	400
Parli		
Unit 1	30	
Unit 2	30	
Unit 3	210	170
Unit 4	210	200
Unit 5	210	200
Unit 6	250	230
Unit 7	250	0
	1190	800
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	200
Unit 4	210	195
Unit 5	500	475
Unit 6	500	475
Unit 7	500	480
	2340	2145
Paras		
Unit 2	55	
Unit 3	250	140
Unit 4	250	230
	555	370
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	210
Unit 4	210	0
	840	630
Nasik		
Unit 1	120	100
Unit 2	120	100
Unit 3	210	190
Unit 4	210	190
Unit 5	210	0
	870	580
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Uran		
All Units	852	530

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	530
Hydro		
KDPH	40	20
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	22
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	20
SMLHY PTN	12	13
GHATGHAR	250	0
	611	232
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	750
	0	750
Dabhol		
RGPPL	960	1580
	960	1580
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3441
	3143	3441

	17376	7 of 7 14700
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