



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Jan/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Jan/2011 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.074	3633.306	1) Madhya Pradesh	45.054	1271.847
2) Hydro	22.352	581.292	2) Gujrat	30.827	871.202
3) Gas	16.058	427.764	3) Goa	-5.605	-180.025
Total MSGENCO	163.484	4642.362	4) TAPS 1&2 (Inj.)	7.863	236.381
B) OTHERS			5) Pench (Excess)	-0.347	-12.008
1) RGPPL Gas	28.714	987.612	# Total Cent. Sector	77.792	2187.397
2) Wind Generation	1.426	76.320	F) Other Exchanges		
3) CPP / IPP	24.922	668.677	1) With TPCL (Excess)	-2.358	-129.325
4) PENCH (MS)	0.347	12.361	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	17.254	482.267
1) TPCL Thermal	20.643	634.029	Include PX	0.000	0.000
2) TPCL Hydro	1.045	126.170	2) MUMBAI Bilateral	3.031	120.972
TOTAL TPCL	21.688	760.199	Include PX	-1.062	-31.875
3) REL Thermal	12.679	378.972	3) MUMBAI Schedule	3.031	135.130
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	158.396	4646.307	1) MSEDCL	294.327	8445.404
2) Hydro (A2+B3+C2)	23.744	719.823	2) TPCL	24.243	848.660
3) Gas (A3+B1)	44.772	1415.376	3) REL	12.479	419.676
4) Wind (B2)	1.426	76.320	TOTAL STATE	331.049	9713.740
5) CPP (B3)	24.922	668.677			
TOTAL STATE	253.260	7526.503			

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	5426	5088	5236
MSGENCO Hydro	1683	701	123
MSGENCO Gas	657	652	687
MSGENCO Total Generation	7766	6441	6046
Central Sector Receipt	3453	3676	2038
RGPPL	1179	1193	1197
WIND	22	31	163
CPP / IPP	1079	1081	945
Exchange with Mumbai	-281	-51	-24
MSEDCL DEMAND MET	13243	12398	10365
Load Shedding	2379	3520	0
MSEDCL DEMAND (INCL. LS)	15622	15918	10365
TPCL GENERATION	950	1278	715
REL GENERATION	529	527	529
TPCL+REL DEMAND	1760	1856	1268
STATE DEMAND MET	15003	14254	11633
STATE DEMAND (INCL. LS)	17382	17774	11633
Frequency (Hz)	49.67	49.92	50.09
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3878 MW AT 20.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			51.08 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.49 Hz at 17.03 Hrs	49.43 Hz at 12.23 Hrs	49.91	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/Jan/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1		11.85	0	0	
Unit 2		8.44	0	0	
Unit 3		12.29	0	0	
Unit 4		9.33	0	0	
Unit 5	4.38	107.53	189	175	185
Unit 6	0.00	0.00	0	0	0
Unit 7	4.47	118.73	195	175	190
	8.85	268.16			375
Bhusawal					
Unit 1		0.00	0	0	
Unit 2	4.28	99.34	190	165	190
Unit 3	4.52	135.92	200	175	200
	8.80	235.25			390
Parli					
Unit 1		0.00	0	0	
Unit 2		0.00	0	0	
Unit 3	3.86	99.96	180	129	176
Unit 4	4.47	128.59	195	169	190
Unit 5	4.84	125.64	209	192	202
Unit 6	5.74	157.03	247	227	241
Unit 7	4.68	78.12	236	105	175
	23.59	589.35			984
Chandrapur					
Unit 1	3.82	110.14	170	149	165
Unit 2	3.54	97.00	169	131	130
Unit 3	3.95	130.35	197	114	200
Unit 4	3.57	126.11	170	130	140
Unit 5	11.42	322.86	495	455	475
Unit 6	6.51	311.33	480	0	470
Unit 7	11.40	284.32	490	439	480
	44.23	1382.12			2060
Paras					
Unit 2		0.00	0	0	
Unit 3	4.46	131.40	204	135	200
Unit 4	5.11	100.97	246	174	200
	9.57	232.38			400
Khaparkheda					
Unit 1	4.96	146.26	215	165	210
Unit 2	4.91	141.56	209	192	210
Unit 3	5.21	146.61	220	214	210
Unit 4	0.00	12.53	0	0	0
	15.07	446.96			630
Nasik					
Unit 1	2.04	60.69	91	77	81
Unit 2	2.12	56.91	97	76	81
Unit 3	4.60	121.72	200	170	192
Unit 4	1.78	121.10	190	0	0
Unit 5	4.44	118.68	194	172	182
	14.97	479.09			536
Koyna					
Stage 1-2	5.34	118.94	525	35	600
Stage 4	9.55	238.64	1021	0	250
Stage 3	2.90	76.27	240	0	240
	17.80	433.85			1090
Kovna 12&4 Total	14.90	357.58			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.06	427.76	691	638	640
		16.06	427.76			640
Hydro						
KDPH		0.47	8.07	20	19	18
VTRNA		0.00	13.82	0	0	0
TILLARI		0.48	11.92	60	0	60
BHTGR/VEER		0.38	11.93	16	16	16
BHIRA T.R.		0.24	7.54	41	0	80
RNGR+BHTSA		0.38	11.41	16	16	17
BHANDARDRA		0.00	0.00	0	0	0
ELDARY		0.00	6.37	0	0	0
SMLHY PTN		0.84	26.14	42	32	11
GHATGHAR		1.76	50.25	250	0	0
		4.56	147.44			202
PENCH (MS)						
Pench (MS)		0.35	12.36	45	0	
		0.35	12.36			
Wind						
MalharPeth		0.06	2.72			
Vankuswadi		0.14	7.35			
ATIT		0.03	1.14			
Kale		0.04	2.63			
Satara		0.07	5.98			
Shirala		0.04	2.94			
K Mahankal		0.04	3.35			
Supa		0.04	1.97			
Vita		0.34	15.60			
Dondaicha		0.36	18.02			
Sakri		0.07	3.05			
Nandurbar		0.06	1.81			
Khandke		0.05	6.15			
Khaparale		0.10	3.60			
		1.43	76.32			
CPP						
TOTAL CPP		24.92	668.68			515
		24.92	668.68			515
Dabhol						
RGPPL		28.71	987.61	1215	1174	1200
		28.71	987.61			1200
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.34	312.92	490	310	500
Trombay 6		0.14	22.87	85	0	0
Trombay 7A		2.99	88.70	128	120	120
Trombay 7B		1.63	48.79	69	67	60
Trombay 8		5.55	160.75	250	160	250
TATA Hydro		1.04	126.17	347	0	447
		21.69	760.20			1377
REL						
1&2		12.68	378.97	529	527	500
		12.68	378.97			500
Cent Sect						
Share						3274
						3274
MS PG CL	Thermal	125.07	3633.31			5375
	Thml+Gas	141.13	4061.07			6015
	Hydro	22.35	581.29			1292
	Total	163.48	4642.36			7307
State Total		253.26	7526.50			14173

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	5238	128	688	6054	1189	164	949	3178	2341	-114	-109	10588	0	10588	1373	11961	49.91
2	5236	123	687	6046	1197	163	945	3137	2038	-41	-24	10365	0	10365	1268	11633	50.09
3	5278	123	687	6088	1209	120	951	3066	2264	8	19	10651	0	10651	1185	11836	50.00
4	5325	128	689	6142	1213	129	949	2799	2551	8	40	11024	112	11136	1163	12299	50.04
5	5271	118	689	6078	1214	80	952	2799	2797	8	34	11155	1218	12373	1161	13534	50.02
6	5345	158	691	6194	1215	52	1022	2907	3161	131	140	11784	1469	13253	1244	14497	49.96
7	5384	428	691	6503	1212	39	1073	3051	3413	109	110	12375	1482	13857	1291	15148	49.89
8	5433	1169	682	7284	1213	47	1079	3100	3242	58	64	12956	1573	14529	1353	15882	49.85
9	5415	1749	688	7852	1208	44	1089	3232	3112	-87	-74	13258	1835	15093	1535	16628	49.79
10	5405	2025	675	8105	1198	48	1079	3478	3333	-246	-226	13564	2031	15595	1652	17247	49.80
11	5456	1584	666	7706	1188	31	1072	3550	3417	-304	-286	13153	2350	15503	1747	17250	49.83
12	5426	1683	657	7766	1179	22	1079	3552	3453	-304	-281	13243	2379	15622	1760	17382	49.67
13	5423	1647	652	7722	1180	15	1089	3553	3549	-304	-267	13313	2443	15756	1723	17479	49.75
14	5249	1583	641	7473	1181	13	1086	3459	3738	-229	-194	13297	2402	15699	1620	17319	49.84
15	5059	1781	638	7478	1178	17	1088	3427	3566	-205	-169	13158	2378	15536	1585	17121	49.82
16	4889	1963	646	7498	1174	22	1082	3306	3460	-177	-139	13097	2378	15475	1545	17020	49.72
17	4973	1794	645	7412	1189	36	1093	3306	3501	-177	-145	13086	2285	15371	1542	16913	49.99
18	5014	1414	647	7075	1193	30	1087	3308	3882	-177	-129	13138	2342	15480	1557	17037	50.05
19	5097	1016	653	6766	1193	40	1086	3093	3530	24	3	12645	3235	15880	1763	17643	50.01
20	5088	701	652	6441	1193	31	1081	3318	3676	-79	-51	12398	3520	15918	1856	17774	49.92
21	5061	457	658	6176	1199	42	1072	3319	3462	-79	-78	11918	3430	15348	1870	17218	50.03
22	5066	302	666	6034	1200	45	979	3630	3455	-352	-212	11546	3388	14934	1798	16732	50.04
23	4968	144	683	5795	1197	77	972	3488	3568	-310	-220	11411	620	12031	1646	13677	49.91
24	4975	134	687	5796	1202	119	968	3236	3283	-190	-164	11204	0	11204	1488	12692	49.98
MUs	125.07	22.35	16.06	163.48	28.71	1.43	24.92	78.29	77.79	-3.03	-2.36	294.33	42.87	337.20	36.72	373.92	49.91

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/Jan/2011

Position as on 6.30 Hrs of 31/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.	30/01/2011
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
Koyna Unit 11	80	13/01/2011	07.45		Continued.	Retrofitting work of excitation system.	13/02/2011
Dabhol 3A	230	29/01/2011	17.35		Continued.	Heavy leakage in CW Duct	28/02/2011
Dabhol 3X	290	29/01/2011	17.35		Continued.	Hand Tripped	28/02/2011
Koyna Unit 12	80	30/01/2011	08.35	30/01/2011	15.00	R.M.Work.	
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.	
Nasik Unit 4	210	28/01/2011	08.30	30/01/2011	10.55	Boiler Tube Leakage	
Chandrapur Unit 6	500	30/01/2011	14.25		Continued.	Boiler Tube Leakage.	02/02/2011
Nasik Unit 3	210	31/01/2011	04.15		Continued.	Turbine Trip.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jan/2011

Position as on 6.30 Hrs of 31/Jan/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Boiser	30/01/2011	08.45	30/01/2011	16.08	Replacement of Damaged STUB Bus Conductor of 220 KV Tarapur Line.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule - S'Sarovar- II	29/01/2011	22.11		Continued.	Over Voltage
Kolhapur - Mapusa - I	29/01/2011	22.47		Continued.	Over Voltage
Akola - Wardha - I	29/01/2011	23.29	30/01/2011	08.50	Over Voltage
Wardha - Akola - II	30/01/2011	20.27		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	31/01/2011	01.15		Continued.	Over Voltage
IntraState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-III @ Kalwa	14/12/2010	08.39		Continued.	For Augmentation from 125MVA to 200MVA (up to 10/2/11)
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(6 MonthOutage.)
220/132 KV 100 MVA ICT-II @ Babaleshwar	25/12/2010	12:15		Continued.	Augmentation by 200MVA ICT (upto 10/02/2011)
220/132KV 100 MVA ICT-I @Padegaon	26/12/2010	13.30		Continued.	Main Breaker Replacement,ICT on TBC (upto 01/2/11)
220/132 KV 100 MVA ICT-II @ Bhusawal	02/01/2011	08.58		Continued.	Repl.of 100 MVA By 200 MVA ICT up to 5/2/11
220/100 KV125 MVA ICT-III @Trombay	06/01/2011	12.03		Continued.	Augmentation by New 200 MVA ICT up to 20.03.2011.
220/6.6KV 40MVA Stn.T/F-IV at K'Kheda	14/01/2011	12.26		Continued.	Oil Filtration work(10Days)
Mahape-Tifil	19/01/2011	10.07		Continued.	Dismantling and erection of MC tower and stringing of conductor.
220/100KV,100 MVA T/F-I at Jambhul	22/01/2011	11.30		Continued.	For Dismantling 100MVA T/F-I under JICA scheme
220/132 KV, 100 MVA ICT - II @ Beed.	24/01/2011	07.00		Continued.	Repl.of 100MVA ICT by 200MVA(up to 11/2/11)
220/66 KV 50 MVA T/F @ Chandrapur	27/01/2011	09.24		Continued.	Repl.of 66KV Breaker(up to 1/2/11)
Bus - II @ Boiser	30/01/2011	06.50	30/01/2011	15.57	Replacement of Damaged STUB Bus Conductor of 220 KV Tarapur Line.
Kandalgaon - ONGC	30/01/2011	08.36	30/01/2011	20.30	E/W Stringing & Insulator Replacement.
Khargar-Topworth	30/01/2011	08.52	30/01/2011	20.34	Replacement of E/W & Insulation Under LES.
Khaparkheda - Kanhan - I	30/01/2011	09.20	30/01/2011	18.16	Replacement of Earthwire from Loc No.97 to 110.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Parbhani-Jintur	30/01/2011	11.14	30/01/2011	14.25	Repalcement of NRV of CB Compressor
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kandalgaon - Roha	27/01/2011	09.07		Continued.	Replacement of conductor.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Apta-Bombay Dyeing	30/01/2011	10.15	30/01/2011	13.20	Isolator Jaw Replacement.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	29/01/2011	21.48	30/01/2011	04.57	Over Voltage
Bhusawal- Aurangabad	30/01/2011	20.18	31/01/2011	05.30	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jan/2011

Position as on 6.30 Hrs of 31/Jan/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - II	31/01/2011	00.08		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Babaleshwar - Bhenda	10/01/2011	09.30		Continued.	To Control Babaleshwar ICT Load.
Alephata-Kathapur	14/01/2011	14.08		Continued.	To Control LNKD ICT Load.
Dhule-Chalisgaon	18/01/2011	15.53		Continued.	To control O/L Dhule ICT's, From Dt. 22/01 opportunity outage taken for repl. of Line Isolator Work.
Chandrapur-Warora - I	23/01/2011	18.14		Continued.	To Control 220KV Warora-Hinganghat Loading.
Aurangabad - Babaleshwar	29/01/2011	18.56		Continued.	To control BBLSR ICT loading
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salshet - I	12/01/2011	13.46		Continued.	H/T from Kalwa end
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Kolhapur - II	29/01/2011	20.03	30/01/2011	07.40	Over Voltage
400/220 KV 315 MVA ICT-I @ Nagothane	30/01/2011	16.36	30/01/2011	17.41	Due to A Bus Fault.
400/220 KV 315 MVA ICT-II @ Nagothane.	30/01/2011	16.36	30/01/2011	17.34	On Over Current & Directional E/F.
Voltage Level : 220KV			Outage Type TRIPPED		
220/7 KV 35 MVA Stn. T/F-II @ Parly	19/01/2011	16.10		Continued.	LV side E/F fire in Aux. Dist. box due to burning of 2 No. feeder.
Usmanabad-Barshi	30/01/2011	14.28	30/01/2011	15.02	Distance Protection.
Usmanabad-Parli	30/01/2011	14.28	30/01/2011	15.04	Distance Protection.
220/132KV 100MVA ICT at Butibori	30/01/2011	15.36	30/01/2011	16.09	Distance Protection Operated Zone-I Tripped on O/C & E/F.
Nagothane-Mahad	30/01/2011	16.36	30/01/2011	17.27	E/W of Newly Constructed ICT-III Fallen on A Bus.
Nagothane-IPCL	30/01/2011	16.36	30/01/2011	17.42	E/W of Newly Constructed ICT-III Fallen on A Bus.
Bus Coupler @ Nagothane	30/01/2011	16.36	30/01/2011	17.26	E/W of Newly Constructed ICT-III Fallen on A Bus.
Voltage Level : 132KV			Outage Type TRIPPED		
Butibori MIDC - Khapri - II	30/01/2011	15.36		Continued.	Distance Protection Operated Zone-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 31/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	190
Unit 6	210	0
Unit 7	210	190
	1040	380
Bhusawal		
Unit 1	58	
Unit 2	210	190
Unit 3	210	200
	478	390
Parli		
Unit 1	30	
Unit 2	30	
Unit 3	210	180
Unit 4	210	190
Unit 5	210	200
Unit 6	250	240
Unit 7	250	185
	1190	995
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	180
Unit 4	210	150
Unit 5	500	475
Unit 6	500	0
Unit 7	500	490
	2340	1615
Paras		
Unit 2	55	
Unit 3	250	160
Unit 4	250	230
	555	390
Khaparkheda		
Unit 1	210	210
Unit 2	210	190
Unit 3	210	185
Unit 4	210	0
	840	585
Nasik		
Unit 1	120	100
Unit 2	120	100
Unit 3	210	0
Unit 4	210	195
Unit 5	210	190
	870	585
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Uran		
All Units	852	640

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	640
Hydro		
KDPH	40	18
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	16
BHIRA T.R.	80	40
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	150
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	475
	0	475
Dabhol		
RGPPL	960	1250
	960	1250
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1367
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3597
	3143	3597

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