



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Dec/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Dec/2010 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.002	2511.089	1) Madhya Pradesh	37.412	1004.651
2) Hydro	6.736	139.258	2) Gujrat	19.535	313.893
3) Gas	16.043	308.417	3) Goa	-5.717	-122.396
Total MSGENCO	143.781	2958.764	4) TAPS 1&2 (Inj.)	7.849	154.635
B) OTHERS			5) Pench (Excess)	-0.181	-3.715
1) RGPPL Gas	34.165	692.912	# Total Cent. Sector	58.898	1347.068
2) Wind Generation	8.147	82.643	F) Other Exchanges		
3) CPP / IPP	20.024	259.711	1) With TPCL (Excess)	-2.487	-177.637
4) PENCH (MS)	0.181	3.715	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.565	58.959
1) TPCL Thermal	23.378	469.283	Include PX	0.000	0.000
2) TPCL Hydro	4.367	61.136	2) MUMBAI Bilateral	2.848	191.424
TOTAL TPCL	27.745	530.419	Include PX	-1.089	60.809
3) REL Thermal	12.666	197.349	3) MUMBAI Schedule	2.848	191.424
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	157.046	3177.721	1) MSEDCL	262.709	5167.176
2) Hydro (A2+B3+C2)	11.284	204.109	2) TPCL	28.735	619.459
3) Gas (A3+B1)	50.208	1001.329	3) REL	14.160	285.564
4) Wind (B2)	8.147	82.643	TOTAL STATE	305.604	6072.199
5) CPP (B3)	20.024	259.711			
TOTAL STATE	246.709	4725.513			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	5184	5271	4448
MSGENCO Hydro	398	686	129
MSGENCO Gas	650	653	680
MSGENCO Total Generation	6232	6610	5257
Central Sector Receipt	3357	2788	1027
RGPPL	1426	1421	1430
WIND	147	202	653
CPP / IPP	897	834	758
Exchange with Mumbai	-229	-292	119
MSEDCL DEMAND MET	11830	11590	9244
Load Shedding	2354	3947	0
MSEDCL DEMAND (INCL. LS)	14184	15537	9244
TPCL GENERATION	1490	1448	767
REL GENERATION	528	526	527
TPCL+REL DEMAND	2247	2266	1175
STATE DEMAND MET	14077	13856	10419
STATE DEMAND (INCL. LS)	16431	17803	10419
Frequency (Hz)	49.89	49.80	50.18
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3823 MW At 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			39.45 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.67 Hz at 03.12 Hrs	49.31 Hz at 20.06 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 20/Dec/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.71	29.22	77	65	70
Unit 2	1.74	27.84	78	67	70
Unit 3	0.00	21.04	0	0	0
Unit 4	0.00	14.68	0	0	0
Unit 5	3.67	57.24	162	137	150
Unit 6	3.51	64.95	169	110	130
Unit 7	3.92	69.10	180	130	160
	14.56	284.06			580
Bhusawal					
Unit 1	0.00	13.79	0	0	0
Unit 2	4.28	73.81	195	150	180
Unit 3	4.50	87.45	200	160	180
	8.77	175.05			360
Parli					
Unit 1	0.00	7.29	0	0	0
Unit 2	0.00	5.46	0	0	0
Unit 3	3.84	80.12	175	117	172
Unit 4	4.07	84.66	190	142	160
Unit 5	0.00	0.00	0	0	0
Unit 6	5.31	97.34	247	172	245
Unit 7	5.15	101.66	255	170	230
	18.38	376.54			807
Chandrapur					
Unit 1	3.80	72.45	167	152	160
Unit 2	3.63	70.67	157	143	150
Unit 3	4.65	90.23	210	156	200
Unit 4	4.52	87.88	204	155	195
Unit 5	10.53	206.57	490	350	450
Unit 6	10.31	198.13	475	345	450
Unit 7	0.00	174.33	0	0	0
	37.43	900.26			1605
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.73	93.37	230	158	190
Unit 4	4.38	92.09	219	145	160
	9.10	185.46			350
Khaparkheda					
Unit 1	4.60	93.16	210	170	210
Unit 2	4.54	83.63	202	165	210
Unit 3	3.97	88.23	179	157	200
Unit 4	3.93	73.12	185	135	180
	17.05	338.13			800
Nasik					
Unit 1	2.09	15.19	96	78	76
Unit 2	0.00	0.00	0	0	0
Unit 3	4.72	78.60	210	170	192
Unit 4	4.47	86.54	211	152	192
Unit 5	4.43	71.26	206	163	172
	15.71	251.59			632
Koyna					
Stage 1-2	2.00	42.99	265	40	600
Stage 4	0.00	17.06	0	0	0
Stage 3	0.54	13.74	154	0	320
	2.53	73.79			920
Kovna 12&4 Total	2.00	60.05			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.04	308.42	693	641	640
		16.04	308.42			640
Hydro						
KDPH		0.46	2.14	19	19	20
VTRNA		0.17	0.17	60	0	0
TILLARI		0.39	7.48	60	0	60
BHTGR/VEER		0.14	2.42	6	6	8
BHIRA T.R.		0.15	3.62	63	0	40
RNGR+BHTSA		0.38	8.13	16	16	10
BHANDARDRA		0.00	0.93	0	0	0
ELDARY		0.00	3.42	0	0	0
SMLHY PTN		1.11	15.60	55	43	15
GHATGHAR		1.58	21.72	250	0	0
		4.37	65.64			153
PENCH (MS)						
Pench (MS)		0.18	3.72	53	0	0
		0.18	3.72			0
Wind						
MalharPeth		0.58	3.67			
Vankuswadi		0.92	9.94			
ATIT		0.33	2.22			
Kale		0.58	3.83			
Satara		0.26	5.21			
Shirala		0.53	4.09			
K Mahankal		0.70	7.28			
Supa		0.11	2.06			
Vita		1.74	18.46			
Dondaicha		1.17	13.78			
Sakri		0.24	2.26			
Nandurbar		0.08	1.36			
Khandke		0.38	5.22			
Khaparale		0.52	3.27			
		8.15	82.64			
CPP						
TOTAL CPP		20.02	259.71			
		20.02	259.71			
Dabhol						
RGPPL		34.16	692.91	1430	1418	1450
		34.16	692.91			1450
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.66	194.52	490	270	500
Trombay 6		3.66	80.98	180	150	500
Trombay 7A		3.01	59.24	130	121	120
Trombay 7B		1.63	30.86	69	67	60
Trombay 8		5.42	103.68	253	150	250
TATA Hydro		4.37	61.14	434	0	447
		27.74	530.42			1877
REL						
1&2		12.67	197.35	529	524	500
		12.67	197.35			500
Cent Sect						
Share						3162
						3162
MS PG CL	Thermal	121.00	2511.09			5134
	Thml+Gas	137.04	2819.51			5774
	Hydro	6.74	139.26			1073
	Total	143.78	2958.76			6847
State Total		246.71	4725.51			13836

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/Dec/2010

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	4483	134	679	5296	1430	646	767	1708	1062	106	71	9272	0	9272	1220	10492	50.18
2	4448	129	680	5257	1430	653	758	1427	1027	106	119	9244	0	9244	1175	10419	50.18
3	4423	124	680	5227	1425	674	756	1384	1207	106	137	9426	0	9426	1158	10584	50.38
4	4447	134	680	5261	1423	673	758	1408	1323	81	154	9592	0	9592	1139	10731	50.40
5	4415	129	681	5225	1426	615	762	1759	1561	81	163	9752	0	9752	1132	10884	50.21
6	4625	134	686	5445	1425	607	782	2257	2165	81	87	10511	0	10511	1209	11720	50.05
7	5077	129	686	5892	1425	561	860	2442	2200	280	196	11134	184	11318	1350	12668	49.91
8	5247	129	693	6069	1423	564	893	2667	2708	146	122	11779	1045	12824	1494	14318	49.87
9	5288	300	689	6277	1423	493	895	2769	2704	34	10	11802	2231	14033	1743	15776	49.79
10	5247	335	678	6260	1425	367	896	3063	2955	-123	-102	11801	2443	14244	2104	16348	49.84
11	5230	346	656	6232	1425	196	897	3276	3046	-204	-186	11610	2412	14022	2224	16246	49.83
12	5184	398	650	6232	1426	147	897	3276	3357	-204	-229	11830	2354	14184	2247	16431	49.89
13	5234	349	642	6225	1426	133	903	3302	3357	-231	-225	11819	3048	14867	2190	17057	49.85
14	5214	173	645	6032	1426	103	891	3307	3302	-231	-215	11539	2979	14518	2112	16630	50.02
15	5277	343	641	6261	1423	68	881	3204	3255	-341	-323	11565	3042	14607	2190	16797	49.80
16	5186	570	643	6399	1421	78	877	2942	3122	-291	-273	11624	3073	14697	2139	16836	49.86
17	5294	562	650	6506	1421	99	886	2943	3139	-291	-277	11774	2995	14769	2140	16909	49.94
18	5302	691	651	6644	1418	124	867	2925	2975	-236	-222	11806	3178	14984	2135	17119	49.83
19	5271	686	653	6610	1421	202	834	2972	2788	-341	-292	11590	3947	15537	2266	17803	49.80
20	5286	336	662	6284	1421	222	829	3053	2520	-286	-248	11068	3801	14869	2249	17118	49.85
21	5341	196	672	6209	1420	213	822	3125	2624	-341	-300	11041	2910	13951	2136	16087	49.86
22	5334	141	677	6152	1420	168	792	2958	2417	-328	-297	10699	157	10856	1898	12754	49.92
23	5217	129	682	6028	1421	217	760	2786	2298	-275	-242	10496	0	10496	1692	12188	49.90
24	4946	139	687	5772	1421	324	761	2514	1786	-146	-115	9949	0	9949	1556	11505	50.06
MUs	121.0 2	6.74	16.04	143.80	34.16	8.15	20.02	63.47	58.90	-2.85	-2.49	262.72	39.80	302.52	42.90	345.42	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 20/Dec/2010

Position as on 6.30 Hrs of 21/Dec/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
Parli Unit 5	210	19/11/2010	01.05		Continued.	Annual Overhaul	23/12/2010
Nasik Unit 2	125	23/11/2010	00.40		Continued.	Annual Overhaul.	30/12/2010
Cent_Sect NTPC(K-6)	500	02/12/2010	7:44		Continued.	Annual Overhaul	31/12/2010
Parli Unit 2	30	11/12/2010	23.51		Continued.	Annual Overhaul.	
Koyna ST-IV 1	250	17/12/2010	00.05		Continued.	For Inspection of 4B Junction Gates and Attending Leakages if any.	27/12/2010
Koyna ST - IV 3	250	17/12/2010	00.05		Continued.	For Inspection of 4B Junction Gates and Attending Leakages if any.	27/12/2010
Koyna ST - IV 4	250	17/12/2010	00.05		Continued.	For Inspection of 4B Junction Gates and Attending Leakages if any.	27/12/2010
Koyna ST-IV 2	250	17/12/2010	00.05		Continued.	For Inspection of 4B Junction Gates and Attending Leakages if any.	27/12/2010
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	22/12/2010
Paras Unit 2	55	16/11/2010	23.00		Continued.	Boiler tube validity expired.	25/12/2010
Koradi Unit 4	115	12/12/2010	22.20		Continued.	Bearing Vibration.	22/12/2010
Parli Unit 1	30	15/12/2010	04.31		Continued.	W/Dn.	
Bhusawal Unit 1	58	15/12/2010	10.40		Continued.	Coal Mill problem.	22/12/2010
Koradi Unit 3	105	17/12/2010	22.11		Continued.	Heavy Hydrogen leakage.	22/12/2010
Chandrapur Unit 7	500	19/12/2010	10.19		Continued.	Economiser Tube Leakage.	21/12/2010
Cent_Sect NTPC(V-10)	500	20/12/2010	13.49	20/12/2010	20.34	Electrical problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Dec/2010

Position as on 6.30 Hrs of 21/Dec/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - II	15/12/2010	21.41	20/12/2010	09.51	Over Voltage.
Dhule - S'Sarovar- II	18/12/2010	23.09		Continued.	Over Voltage
Kolhapur - Mapusa - I	18/12/2010	23.46		Continued.	Due to SF6 Gas Pressure Alarm
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Nasik-Navsari-I	20/12/2010	22.37	20/12/2010	23.14	R ph.breaker problem At Nasik end.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Wardha - I	20/12/2010	03.05		Continued.	D.T.Received @ Akola end.Due to high voltage.
Wardha - Seoni	20/12/2010	03.05	20/12/2010	09.23	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrpur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
Main Bus - I @ Kolhapur	14/12/2010	15.02	20/12/2010	09.47	Isolator Alignment and Testing Work.
400/220 KV 315MVA ICT-II @ Karad	20/12/2010	09.55		Continued.	400KV CT repl.and CB dismentling.
50 MVAR 400KV Bus Reactor At 400KV Korady	20/12/2010	10.35		Continued.	Oil replacement and filtration of oil.
Parli-Lonikand -I	20/12/2010	10.57		Continued.	Overhauling work.Line on TBC.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalwa-Mahape	27/11/2010	15.17		Continued.	Stringing Work of Mumbai System.
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.)
Pedambe - Tambati	18/12/2010	08.30		Continued.	Overhauling of C B.
Pawas-New Koyna	20/12/2010	11.09	20/12/2010	18.45	Replacement of insulator.
Mudshingi-Talandage-II	20/12/2010	11.10	20/12/2010	18.07	Testing work.
Pawas 220KV main Bus.	20/12/2010	11.12	20/12/2010	18.43	Jumpering between existing MB and New MB.
Tillawni-Talangade-I	20/12/2010	11.15	20/12/2010	18.13	Tan delta CT measurement.
Tilwani - Talandge - II	20/12/2010	11.15	20/12/2010	18.14	Tan delta CT measurement.
220/132 KV,200MVA T/F-3 At Tilawani	20/12/2010	11.15	20/12/2010	18.40	Tan delta CT measurement.
ONGC-TSS	20/12/2010	11.20	20/12/2010	15.25	Repl.of R ph.LA at TSS.
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
TILWANI--ICHALKARANJII	20/12/2010	08.00	20/12/2010	18.40	Line work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/11.5KV 90 MVA STN T/F- V @ 400 KV Chandrapur	12/12/2010	08.00		Continued.	To Attend Oil Leakage
Karad - Kolhapur - I	19/12/2010	19.30	20/12/2010	10.49	Over Voltage.
Bhusawal- Aurangabad	19/12/2010	22.10	20/12/2010	05.56	Over Voltage.
Lonikand- Koyna Stage IV	19/12/2010	22.34	20/12/2010	07.44	Over Voltage.
Karad-Lamboti	19/12/2010	22.43	20/12/2010	06.56	Over Voltage.
New Koyna - Koyna Stage	19/12/2010	23.52	20/12/2010	08.22	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Dec/2010

Position as on 6.30 Hrs of 21/Dec/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
IV - II					
Dhule - Babhaleshwar - I	20/12/2010	00.52	20/12/2010	05.55	Over Voltage.
Karad - Kolhapur - II	20/12/2010	19.33		Continued.	Over Voltage.
Bhusawal- Aurangabad	20/12/2010	21.03		Continued.	Over Voltage.
Karad-Lamboti	20/12/2010	22.01		Continued.	Over Voltage.
New Koyna - StageIV - I	20/12/2010	23.47		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	20/12/2010	23.53		Continued.	Over Voltage
Dhule - Babhaleshwar - I	21/12/2010	01.33	21/12/2010	05.55	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Uran-ONGC	20/12/2010	14.40	20/12/2010	17.46	H/T from ONGC to attend air leakage of compressor.
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salshet - I	12/12/2010	16.30		Continued.	Hand Tripped,From Kalwa End.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Kolhapur - II	19/12/2010	22.43	20/12/2010	06.07	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Shahada	29/11/2010	16.10		Continued.	Main Buchholz Protection Operated.
220/33 KV 100 MVA ICT IV at Jamde	01/12/2010	12.42		Continued.	T/F Declared as Failed.
Phursungi - Theur	20/12/2010	02.21	20/12/2010	02.44	Distance Protection,B Ph - E.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Dec/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	65
Unit 2	105	65
Unit 3	105	0
Unit 4	105	0
Unit 5	200	150
Unit 6	210	145
Unit 7	210	150
	1040	575
Bhusawal		
Unit 1	58	0
Unit 2	210	200
Unit 3	210	200
	478	400
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	172
Unit 4	210	190
Unit 5	210	0
Unit 6	250	240
Unit 7	250	240
	1190	842
Chandrapur		
Unit 1	210	160
Unit 2	210	155
Unit 3	210	205
Unit 4	210	190
Unit 5	500	450
Unit 6	500	450
Unit 7	500	0
	2340	1610
Paras		
Unit 2	55	0
Unit 3	250	225
Unit 4	250	210
	555	435
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	200
Unit 4	210	180
	840	800
Nasik		
Unit 1	120	81
Unit 2	120	0
Unit 3	210	192
Unit 4	210	192
Unit 5	210	172
	870	637
Koyna		
Stage 1-2	600	600
Stage 4	1000	0
Stage 3	320	320
	1920	920
Uran		
All Units	852	650

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	650
Hydro		
KDPH	40	19
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	13
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	20
GHATGHAR	250	0
	611	152
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	1440
	960	1440
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	3139
	3143	3139