



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Dec/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Dec/2011 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.130	1568.210	1) Gujrat	10.877	77.816
2) Hydro	9.789	198.563	2) Madhya Pradesh	18.600	288.950
3) Gas	12.210	196.491	3) Chattisgarh	13.460	197.020
Total MSGENCO	140.129	1963.264	4) Maharashtra	52.985	738.614
B) OTHERS			5) Goa	-6.814	-86.856
1) JSW JAIGAD	19.182	343.294	6) TAPS 1&2 Injection	7.751	106.531
2) WPCL	8.678	107.958	7) RGPPL Injection	26.503	406.036
3) Other CPP / IPP	7.168	99.647	8) Pench (Excess)	-0.618	-6.114
4) Wind Generation	4.663	34.071	# Total Cent. Sector	122.744	1721.997
5) PENCH (MS)	0.618	6.114	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.725	-117.925
1) TPCL Thermal	27.984	402.172	G) Bilateral Power *		
2) TPCL Hydro	4.045	49.996	1) MSEDCL Bilateral	40.513	539.447
TOTAL TPCL	32.029	452.168	Include PX	5.581	50.222
3) REL Thermal	12.633	162.523	2) MUMBAI Bilateral	11.327	164.359
D) STATE			Include PX	0.164	8.372
1) Thermal (A1+C1+C3)	158.747	2132.905	3) MUMBAI Schedule	11.327	173.939
2) Hydro (A2+B5+C2)	14.452	254.673	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.210	196.491	1) MSEDCL	294.457	4158.420
4) Wind (B4)	4.663	34.071	2) TPCL	36.142	493.171
5) CPP (B1+B2+B3)	35.028	550.899	3) REL	17.244	239.398
TOTAL STATE	225.100	3169.039	TOTAL STATE	347.843	4890.989

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5050	4998	4700
MSGENCO Hydro	670	542	105
MSGENCO Gas	499	508	520
MSGENCO Total Generation	6219	6048	5325
Central Sector Receipt	5678	5138	4585
WIND	172	129	260
CPP / IPP	1474	1482	1371
Exchange with Mumbai	-413	-454	-154
MSEDCL DEMAND MET	13175	12396	11387
Load Shedding (LS)	2078	1403	372
MSEDCL DEMAND (INCL. LS)	15253	13799	11759
TPCL GENERATION	1742	1716	859
REL GENERATION	521	526	528
TPCL+REL DEMAND	2676	2696	1541
STATE DEMAND MET	15851	15092	12928
Load Management (LM)	2551	3720	1648
Total Load Relief (LS+LM)	4629	5123	2020
UNRESTRICTED STATE DEMAND	20480	20215	14948
Frequency (Hz)	49.43	49.62	49.80

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 03.04 Hrs	48.89 Hz at 08.24 Hrs	49.64	2.43 % 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/Dec/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.14	44.12	154	100	130
Unit 6	3.00	33.64	148	98	125
Unit 7	3.77	50.50	170	140	155
Total	9.91	128.26			410
Bhusawal					
Unit 2	3.84	43.24	185	140	160
Unit 3	3.99	58.42	185	130	180
Unit 4		0.00	0	0	
Total	7.83	101.65			340
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.53	56.93	203	175	175
Unit 5	3.17	38.54	149	112	130
Unit 6	5.14	54.22	240	181	185
Unit 7	4.23	63.88	204	156	175
Total	17.07	213.56			665
Chandrapur					
Unit 1	3.62	52.30	158	135	160
Unit 2	4.12	35.35	179	162	170
Unit 3	4.21	58.95	186	159	185
Unit 4	4.90	68.54	210	195	210
Unit 5	10.42	117.56	455	395	400
Unit 6	0.39	52.02	155	0	0
Unit 7	9.06	130.22	392	354	400
Total	36.73	514.93			1525
Paras					
Unit 3	3.99	56.07	182	153	180
Unit 4	4.23	56.74	194	163	180
Total	8.22	112.81			360
Khaparkheda					
Unit 1	4.61	61.21	205	170	200
Unit 2	4.51	58.79	197	180	190
Unit 3	4.96	66.48	218	178	210
Unit 4	4.98	64.43	220	180	210
Unit 5	4.88	50.20	242	170	
Total	23.94	301.11			810
Nasik					
Unit 3	5.10	66.49	220	200	192
Unit 4	4.97	67.65	210	190	192
Unit 5	4.36	61.74	188	163	162
Total	14.43	195.88			546
Uran					
All Units	12.21	196.49	520	497	500
Total	12.21	196.49			500
PENCH (MS)					
Pench (MS)	0.62	6.11	53	0	
Total	0.62	6.11			
Koyna					
Stage 1-2	4.16	57.30	455	40	600
Stage 4	2.55	68.69	455	0	250
Stage 3	1.29	27.30	160	0	320
Total	7.99	153.29			1170
Kovna 12&4 Total	6.70	125.99			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	5.73	0	0	0
VTRNA	0.00	0.40	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.12	2.50	5	5	5
BHIRA T.R.	0.22	2.82	78	0	40
RNGR+BHTSA	0.36	5.23	17	0	16
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.35	2.52	15	14	14
SMLHY PTN	0.75	13.23	40	29	11
GHATGHAR	0.00	12.85	0	0	0
Total	1.80	45.27			86
Wind					
MalharPeth	0.37	1.86			
Vankuswadi	0.69	3.80			
ATIT	0.07	0.68			
Kale	0.20	1.20			
Satara	0.51	5.95			
Shirala	0.25	1.32			
K Mahankal	0.82	2.77			
Supa	0.06	0.82			
Vita	0.74	5.66			
Dondaicha	0.63	5.73			
Sakri	0.04	0.58			
Nandurbar	0.04	0.59			
Khandke	0.18	1.80			
Khaparale	0.07	1.31			
Total	4.66	34.07			
CPP					
JSW JAIGAD	19.18	343.29	834	721	825
WARDHA	8.68	107.96	365	351	363
Other CPPs	7.17	99.65			
Total	35.03	550.90			1188
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.89	159.86	501	289	490
Trombay 6	6.72	98.41	434	155	500
Trombay 7A	2.90	38.28	125	116	120
Trombay 7B	1.58	21.43	67	65	60
Trombay 8	5.90	84.20	254	192	250
TATA Hydro	4.04	50.00	439	0	447
Total	32.03	452.17			1867
REL					
1&2	12.63	162.52	528	521	500
Total	12.63	162.52			500
Cent Sect					
Share					5089
Total					5089

MS PG CL	Thermal	118.13	1568.21			4656
	Thml+Gas	130.34	1764.70			5156
	Hydro	9.79	198.56			1256
	Total	140.13	1963.26			6412
State Total		225.10	3169.04			15056

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/Dec/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	4683	104	520	5307	225	1360	4667	4968	-421	-288	11572	2089	11746	1765	15426	49.78
2	4710	115	518	5343	256	1369	4588	4695	-344	-189	11474	2203	11802	1617	15294	49.88
3	4700	105	520	5325	260	1371	4653	4585	-307	-154	11387	2020	11759	1541	14948	49.80
4	4735	106	514	5355	265	1368	4700	4557	-280	-138	11407	2261	11834	1494	15162	49.94
5	4720	105	514	5339	285	1480	4694	4824	-275	-142	11786	2367	12262	1500	15653	49.75
6	4888	105	513	5506	289	1474	4902	5047	-184	-85	12231	2719	12933	1601	16551	49.75
7	5001	130	514	5645	323	1488	4990	4890	-280	-128	12235	3779	13746	1743	17757	49.60
8	4978	376	508	5862	280	1493	5037	5048	-310	-228	12480	4164	14079	1862	18506	49.53
9	5011	468	507	5986	284	1485	5083	5093	-358	-265	12608	4401	14278	2109	19118	49.49
10	5048	633	502	6183	259	1479	5124	5077	-400	-313	12710	4667	14721	2427	19804	49.52
11	5020	418	502	5940	242	1490	5625	5649	-541	-425	12921	4638	15026	2640	20199	49.51
12	5050	670	499	6219	172	1474	5680	5678	-597	-413	13175	4629	15253	2676	20480	49.43
13	4959	648	497	6104	131	1465	5734	5716	-655	-518	12948	4710	15109	2693	20351	49.59
14	4922	758	501	6181	87	1471	5744	5904	-665	-579	13114	4331	14947	2655	20100	49.66
15	4836	1104	507	6447	79	1478	5733	5809	-655	-654	13209	4018	14922	2687	19914	49.57
16	4864	1019	509	6392	64	1472	5722	5653	-643	-624	13009	4016	14826	2685	19710	49.51
17	4862	655	509	6026	67	1475	5034	5083	-640	-592	12081	4581	14059	2694	19356	49.63
18	4887	327	509	5723	90	1483	4956	5054	-563	-542	11833	4697	13493	2684	19214	49.51
19	4998	542	508	6048	129	1482	5055	5138	-577	-454	12396	5123	13799	2696	20215	49.62
20	5063	727	507	6297	167	1478	5089	4950	-572	-487	12458	4843	13531	2685	19986	49.59
21	5029	310	508	5847	165	1488	5089	5088	-572	-433	12207	4578	13041	2496	19281	49.58
22	5080	126	508	5714	182	1490	5040	4615	-523	-383	11643	4351	12279	2317	18311	49.71
23	5072	124	508	5704	175	1483	4986	4871	-503	-389	11864	3943	12448	2150	17957	49.65
24	5016	114	508	5638	187	1432	4862	4752	-464	-302	11711	3217	12102	1970	16898	49.79
MUs	118.1 3	9.79	12.21	140.13	4.66	35.03	122.79	122.74	-11.33	-8.72	294.46	92.34	324.00	53.39	440.19	49.64

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 14/Dec/2011

Position as on 6.30 Hrs of 15/Dec/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect TARAPUR-4	540	06/11/2011	01.00		Continued.	Annual Overhaul	25/12/2011
Parli Unit 3	210	12/11/2011	21.25		Continued.	Annual Overhaul.	22/12/2011
CPP JSW (J) U2	300	10/12/2011	23:30		Continued.	Annual Shutdown	27/12/2011
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	
CPP WPCL U-4	135	02/11/2011	04.40		Continued.	ID Fan Problem, Preparation for P.G. Test.	20/12/2011
Chandrapur Unit 6	500	11/12/2011	06.20	14/12/2011	20.59	Boiler Tube Leakage.	
Dabhol 3B	230	12/12/2011	23.46		Continued.	Gas shortage.	
Dabhol 3A	230	13/12/2011	16.09		Continued.	Gas Shortage	
Dabhol 3X	290	13/12/2011	16.09		Continued.	Gas Shortage	
Dabhol 1A	230	13/12/2011	21.33	14/12/2011	00.20	To attend Tie Breaker Lockout of Dabhol-N.Koyna-I at Dabhol end	
Cent_Sect NTPC(V) 9	500	14/12/2011	00.11		Continued.	Boiler Tube Leakage	
Koyna ST - IV 4	250	14/12/2011	23.00		Continued.	Generator Air Cooler Leakage and T/F Oil Leakage	16/12/2011
Koyna Unit 9	80	15/12/2011	00.00		Continued.	Generator Stop Guide Bearing Temp.Meter replacement	17/12/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Dec/2011

Position as on 6.30 Hrs of 15/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Boiser - Tarapur	30/10/2011	08.31		Continued.	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PGCIL)-Bhadravati-II	07/11/2011	16.42		Continued.	Hand Tripped
Dhule-Sar'Sarovar - I	12/12/2011	16.51	14/12/2011	07.33	Over Voltage.
Kolhapur - Mapusa - II	13/12/2011	17.08	14/12/2011	09.35	Over Voltage
Dhule - S'Sarovar- II	14/12/2011	10.08		Continued.	Over Voltage
Kolhapur - Mapusa - I	15/12/2011	00.07		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 105 MVA Spare ICT at Parly II	22/04/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
80 MVAR Reactor @ Kharghar	13/12/2011	09.45		Continued.	Replacement of Bushing(upto 17/12/2011)
400/220 KV 315 MVA ICT-I @ Nagothane	14/12/2011	16.28	14/12/2011	18.52	Repl.of Numerical Relay replacement
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C
Bhoisor - Borivali	30/10/2011	08.06		Continued.	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur
220/100KV,125 MVA T/F-II at Jambhul	08/11/2011	13.50		Continued.	Inspection and Rectification of Gas Formation upto 11/12/2011
220/132 KV 100 MVA ICT-I @ Girawali	24/11/2011	10.46		Continued.	Augmentation of ICT BY 200 MVA ICT.
Kalwa-Trombay	30/11/2011	09.20		Continued.	Replacement of Breaker (Taken on TBC upto 14/12/2011).
Aarey - Goregaon	13/12/2011	09.27	14/12/2011	00.44	Annual Maint.Work
220/100KV 200 MVA ICT III at Borivali	13/12/2011	12.30		Continued.	Air Leakage problem of Breaker(Taken on TBC)
Talangade - Mumewadi	14/12/2011	08.29	14/12/2011	17.28	LILO Work
220/132 KV 100 MVA ICT - I @ Bale	14/12/2011	09.25	14/12/2011	19.56	C.T.Upgradation
Ghodbhundur - Gorai	14/12/2011	09.47	14/12/2011	16.04	To attend heavy oil leakage from R phase CVT
Pawas-Kharepatan	14/12/2011	12.45	14/12/2011	13.48	To attend Red Hot on B phase C.B.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhusawal - Jalgaon - II	06/12/2011	09.25		Continued.	Replacement of Bus Isolator @ BSL End.
Girwali - Kej	06/12/2011	18.30	14/12/2011	10.00	Replacement of 132KV Breaker @ Girwali.Ckt on TBC.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthening.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Hinganghat - Rly TSS - I	09/12/2011	02.03	14/12/2011	17.05	CKT on TBC, CKT breaker timing problem.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Dec/2011

Position as on 6.30 Hrs of 15/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	17/11/2011	20.32		Continued.	Buchholtz alarm problem.
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogen pressure fire alarm received.
Bhusawal- Aurangabad	13/12/2011	20.26	14/12/2011	09.52	Over Voltage
Karad - Kolhapur - I	14/12/2011	00.07	14/12/2011	09.23	Over Voltage
Karad - Kolhapur - II	14/12/2011	16.24		Continued.	Over Voltage
Bhusawal- Aurangabad	14/12/2011	21.26	15/12/2011	05.56	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	09/12/2011	01.44		Continued.	Hand trip.
Padgha - Temghar - II	13/12/2011	20.35		Continued.	H/T due to Bus Fault
Padgha-Temghar I	13/12/2011	20.35	14/12/2011	09.44	H/T due to Bus Fault
Voltage Level : 400KV			Outage Type TRIPPED		
Main Ckt Breaker of Dhule -SSP-I at Dhule	30/11/2011	17.00		Continued.	B Phase Main C.B.Burst at Dhule(Charged through TBC on
400/220 KV 315 MVA ICT-III @ Padgha	13/12/2011	20.12	14/12/2011	09.25	R Phase Stubbus Jumper of 220KV B Bus Open
400/132KV,200MVA ICT-I at Khadka.	13/12/2011	20.28	14/12/2011	13.25	Trip Ckt Faulty Ind.(ICT is on TBC)
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip,Diff.Prot.operated,PRV tripped(Failed).
220KV B Bus at Padgha	13/12/2011	20.12	14/12/2011	11.40	Bus Fault
Chinchwad - Parvati	14/12/2011	17.56	14/12/2011	18.01	No Indication
Jejuri - Parvati	14/12/2011	17.56	14/12/2011	18.28	Overload
Bus Sectionlizer Breaker at C'Wad	14/12/2011	17.56	14/12/2011	18.01	Breaker Tripped No Indication

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Dec/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	155
Unit 6	210	150
Unit 7	210	170
	620	475
Bhusawal		
Unit 2	210	160
Unit 3	210	180
Unit 4	500	
	920	340
Parli		
Unit 3	210	0
Unit 4	210	180
Unit 5	210	122
Unit 6	250	200
Unit 7	250	200
	1130	702
Chandrapur		
Unit 1	210	160
Unit 2	210	170
Unit 3	210	185
Unit 4	210	210
Unit 5	500	450
Unit 6	500	350
Unit 7	500	400
	2340	1925
Paras		
Unit 3	250	160
Unit 4	250	160
	500	320
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	200
Unit 4	210	200
Unit 5	500	
	1340	780
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	180
	630	600
Uran		
All Units	852	470
	852	470
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	11
GHATGHAR	250	
	611	128
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	825
WARDHA	405	363
Other CPPs	0	
	1005	1188
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	5084
	3455	5084