



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Dec/2011

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	120.861	1815.731	1) Gujrat	7.415	93.183
2) Hydro	5.846	209.957	2) Madhya Pradesh	20.325	327.976
3) Gas	12.306	220.790	3) Chattisgarh	12.760	223.020
Total MSGENCO	139.013	2246.478	4) Maharashtra	46.697	833.960
B) OTHERS			5) Goa	-6.984	-100.810
1) JSW JAIGAD	19.316	383.768	6) TAPS 1&2 Injection	7.794	122.127
2) WPCL	8.724	125.365	7) RGPPL Injection	26.707	458.960
3) Other CPP / IPP	7.385	114.628	8) Pench (Excess)	-0.599	-7.347
4) Wind Generation	4.565	42.476	# Total Cent. Sector	114.115	1951.069
5) PENCH (MS)	0.599	7.347	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-6.555	-132.178
1) TPCL Thermal	27.484	456.675	G) Bilateral Power *		
2) TPCL Hydro	4.349	58.942	1) MSEDCL Bilateral	32.527	609.378
TOTAL TPCL	31.833	515.617	Include PX	0.000	52.690
3) REL Thermal	12.633	187.792	2) MUMBAI Bilateral	11.425	186.998
D) STATE			Include PX	0.262	8.685
1) Thermal (A1+C1+C3)	160.978	2460.198	3) MUMBAI Schedule	11.425	196.578
2) Hydro (A2+B5+C2)	10.794	276.246	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.306	220.790	1) MSEDCL	287.162	4738.953
4) Wind (B4)	4.565	42.476	2) TPCL	34.462	562.721
5) CPP (B1+B2+B3)	35.425	623.761	3) REL	16.554	272.813
TOTAL STATE	224.068	3623.471	TOTAL STATE	338.178	5574.487

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5044	5020	5079
MSGENCO Hydro	626	376	91
MSGENCO Gas	521	512	505
MSGENCO Total Generation	6191	5908	5675
Central Sector Receipt	4855	5070	4445
WIND	206	114	282
CPP / IPP	1604	1300	1391
Exchange with Mumbai	-344	-362	-164
MSEDCL DEMAND MET	12562	12083	11629
Load Shedding (LS)	1786	791	93
MSEDCL DEMAND (INCL. LS)	14348	12874	11722
TPCL GENERATION	1727	1693	791
REL GENERATION	527	527	526
TPCL+REL DEMAND	2598	2582	1481
STATE DEMAND MET	15160	14665	13110
Load Management (LM)	2764	4047	1624
Total Load Relief (LS+LM)	4550	4838	1717
UNRESTRICTED STATE DEMAND	19710	19503	14827
Frequency (Hz)	49.73	49.53	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.31 Hz at 04.02 Hrs	49.13 Hz at 18.47 Hrs	49.74	.34 % 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/Dec/2011

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi						Hydro					
Unit 5	3.01	50.60	145	100	120	KDPH	0.00	5.73	0	0	0
Unit 6	2.89	40.11	148	90	120	VTRNA	0.00	0.40	0	0	0
Unit 7	3.68	58.08	175	120	160	TILLARI	0.00	0.00	0	0	0
Total	9.58	148.80			400	BHTGR/VEER	0.10	2.69	4	3	5
Bhusawal						Wind					
Unit 2	2.11	49.32	185	0	180	MalharPeth	0.43	2.58			
Unit 3	3.57	66.16	190	0	0	Vankuswadi	0.76	5.16			
Unit 4		0.00	0	0		ATIT	1.05	1.78			
Total	5.68	115.48			180	Kale	0.23	1.60			
Parli						CPP					
Unit 3	0.00	0.00	0	0	0	JSW JAIGAD	19.32	383.77	920	613	825
Unit 4	4.33	65.67	189	166	180	WARDHA	8.72	125.36	367	358	363
Unit 5	3.18	44.58	143	112	130	Other CPPs	7.38	114.63			
Unit 6	4.88	64.20	240	173	185	Total	35.42	623.76			1188
Unit 7	2.35	70.59	166	7	60	Tata					
Total	14.74	245.03			555	Trombay 4	0.00	0.00	0	0	0
Chandrapur						Trombay 5	10.98	181.78	503	286	495
Unit 1	3.62	59.66	158	136	160	Trombay 6	7.04	111.58	418	154	500
Unit 2	3.47	42.60	157	125	150	Trombay 7A	2.26	43.06	126	66	120
Unit 3	4.31	67.47	186	166	185	Trombay 7B	1.37	24.26	65	48	60
Unit 4	4.98	78.53	210	204	210	Trombay 8	5.83	96.00	252	189	250
Unit 5	10.64	138.74	450	430	450	TATA Hydro	4.35	58.94	459	0	447
Unit 6	9.40	69.90	427	313	425	Total	31.83	515.62			1872
Unit 7	8.82	148.01	380	337	385	REL					
Total	45.22	604.91			1965	1&2	12.63	187.79	528	524	500
Paras						Total	12.63	187.79			500
Unit 3	4.07	64.29	210	142	190	Cent Sect					
Unit 4	4.19	65.08	203	135	190	Share					5149
Total	8.26	129.36			380	Total					5149
Khaparkheda						MS PG CL					
Unit 1	4.54	70.26	205	170	200	Thermal	120.86	1815.73			4900
Unit 2	4.48	67.59	198	170	200	Thml+Gas	133.17	2036.52			5400
Unit 3	5.11	76.55	221	197	210	Hydro	5.85	209.96			1217
Unit 4	5.08	74.36	220	192	210	Total	139.01	2246.48			6617
Unit 5	4.10	59.23	253	133		State Total	224.07	3623.47			15326
Total	23.32	348.00			820						
Nasik											
Unit 3	5.03	76.62	220	185	210						
Unit 4	4.65	77.13	203	171	210						
Unit 5	4.37	70.40	190	164	180						
Total	14.05	224.15			600						
Uran											
All Units	12.31	220.79	526	503	500						
Total	12.31	220.79			500						
PENCH (MS)											
Pench (MS)	0.60	7.35	53	0							
Total	0.60	7.35									
Koyna											
Stage 1-2	1.40	60.48	160	40	600						
Stage 4	0.76	69.44	225	0	250						
Stage 3	0.48	27.99	240	0	240						
Total	2.63	157.90			1090						
Koyna 12&4 Total	2.15	129.92			850						

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 16/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	5133	91	505	5729	209	1400	4821	4515	-368	-183	11670	2038	11788	1697	15405	49.95
2	5042	92	505	5639	238	1387	4802	4510	-381	-174	11600	1978	11690	1546	15124	49.88
3	5079	91	505	5675	282	1391	4759	4445	-344	-164	11629	1717	11722	1481	14827	49.95
4	5132	96	505	5733	290	1393	4751	4490	-317	-101	11805	1885	11898	1434	15124	50.07
5	5007	95	505	5607	286	1438	4770	4911	-292	-78	12164	1942	12296	1423	15529	49.94
6	4947	96	505	5548	300	1553	4802	5258	-222	-27	12637	2367	13085	1522	16526	49.90
7	5088	106	526	5720	290	1551	4860	4881	-301	-80	12389	3308	13195	1688	17385	49.61
8	5265	99	524	5888	253	1590	4922	4962	-347	-198	12522	4042	13722	1818	18382	49.64
9	5316	99	522	5937	188	1592	4968	4643	-395	-274	12111	4391	13500	2035	18537	49.66
10	5260	155	508	5923	172	1590	5028	4855	-453	-299	12266	4453	13827	2337	19056	49.47
11	5207	358	503	6068	206	1601	5019	4924	-525	-361	12483	4548	14283	2569	19600	49.66
12	5044	626	521	6191	206	1604	5030	4855	-523	-344	12562	4550	14348	2598	19710	49.73
13	5013	623	513	6149	146	1604	5048	4795	-553	-379	12365	4528	14127	2597	19490	49.60
14	4983	561	513	6057	139	1598	5028	5066	-589	-387	12523	4304	14109	2492	19319	49.90
15	4937	574	514	6025	98	1585	5045	4965	-622	-424	12301	4031	13800	2513	18845	49.72
16	4949	705	509	6163	78	1591	5059	4885	-621	-413	12327	4008	13902	2535	18870	49.65
17	4965	231	515	5711	80	1602	5088	4392	-618	-393	11392	4422	13021	2529	18343	49.61
18	5139	101	512	5752	109	1602	4983	4177	-503	-347	11318	4158	12252	2538	18014	49.69
19	5101	267	509	5877	123	1296	5188	4924	-631	-378	11892	4824	12719	2601	19317	49.58
20	5020	376	512	5908	114	1300	5219	5070	-626	-362	12083	4838	12874	2582	19503	49.53
21	4912	104	518	5534	111	1291	5221	4889	-626	-403	11474	4648	12100	2410	18532	49.68
22	4876	103	521	5500	138	1291	5169	4238	-567	-294	10898	4363	11263	2192	17453	49.81
23	4824	103	517	5444	240	1293	5096	4667	-528	-273	11386	3609	11676	2026	17021	49.78
24	4622	94	519	5235	269	1282	4958	4798	-474	-219	11365	3020	11585	1858	16243	49.81
MUs	120.86	5.85	12.31	139.01	4.56	35.42	119.63	114.12	-11.43	-6.56	287.16	87.97	308.78	51.02	426.16	49.74

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 16/Dec/2011

Position as on 6.30 Hrs of 17/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
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	
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	16/12/2011	11.00	Generator Air Cooler Leakage and T/F Oil Leakage	
Koyna Unit 9	80	15/12/2011	00.00	16/12/2011	19.05	Generator Stop Guide Bearing Temp.Meter replacement	
Bhusawal Unit 3	210	16/12/2011	04.35	16/12/2011	06.46	Furnace Pressure High.	
Bhusawal Unit 2	210	16/12/2011	12.13		Continued.	BLR T/L.	19/12/2011
Cent_Sect NTPC (K-2)	210	16/12/2011	12.42	16/12/2011	15.22	W/Dn.	
CPP JSW (J) U3	300	16/12/2011	18.24		Continued.	Electrical fault.	
Parli Unit 7	250	16/12/2011	23.08		Continued.	W/Dn due to CHP Problem.	
Koradi Unit 5	200	17/12/2011	04.02		Continued.	Flame/Failure	

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

Position as on 6.30 Hrs of 17/Dec/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		
Padgha-Tarapur - II	16/12/2011	09.18	16/12/2011	19.24	Q.M.Work
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
220 KV Road side Bus @ Kalwa	16/12/2011	06.56	16/12/2011	16.32	Replacement of single core conductor by twin core conductor in B-Ph bus.
Tillari-Amona-II	16/12/2011	13.30	16/12/2011	15.25	Air leakage problem at Amona.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PGCIL)-Bhadravati-II	07/11/2011	16.42		Continued.	Hand Tripped
Dhule - S'Sarovar- II	14/12/2011	10.08	16/12/2011	10.40	Over Voltage
Kolhapur-Mapusa-II	15/12/2011	21.00	16/12/2011	19.23	Over Voltage
Dhule - S'Sarovar- II	16/12/2011	16.52		Continued.	Over Voltage.
Kolhapur - Mapusa - I	16/12/2011	21.57		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)
400/220KV,200MVA Spare ICT at Kalwa.	15/12/2011	14.59		Continued.	For Replacement of Y Ph. C T of ICT-I by 400KV C T of Spare ICT.
400/220/33KV,500 MVA ICT-I At Kalwa	16/12/2011	07.58	16/12/2011	19.19	Replacement of 400KV Y-Ph CT and 33KV PT of tertiary delta.
400 KV Main Bus - I @ Aurangabad	16/12/2011	10.39	16/12/2011	21.17	Dismantling of Y-Ph W/T of Deepnagar II.
Koradi -Bhusawal	16/12/2011	11.19	16/12/2011	15.22	Replacement of broken springs of seizer of B-Ph PG isolator of Aux.Bus.
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).
220/100KV 200 MVA ICT III at Borivali	13/12/2011	12.30		Continued.	Air Leakage problem of Breaker(Taken on TBC)
BBLSR-Chalisgaon	15/12/2011	13.39		Continued.	Converting S/C to D/C.
Kalwa-Temghar	16/12/2011	05.40	16/12/2011	18.05	Due to bus outage at 220KV Kalwa.
Kalwa-Taloja	16/12/2011	05.42	16/12/2011	17.42	Due to bus outage at 220KV Kalwa.
220/22 KV, 50 MVA T/F-II @ Kalwa	16/12/2011	05.48	16/12/2011	17.10	Due to bus outage at 220KV Kalwa.
220/100KV 200MVA ICT-IV at Kalwa	16/12/2011	05.54	16/12/2011	16.53	Due to bus outage at 220KV Kalwa.

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

Position as on 6.30 Hrs of 17/Dec/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Dhule-Chalisgaon	16/12/2011	09.22	16/12/2011	16.36	Erection of W/T.
Wada-Kolshet	16/12/2011	09.27	16/12/2011	20.08	Replacement Of B & R Ph CT's.
220/132 KV 200 MVA ICT -IV. at Padegaon.	16/12/2011	10.10	16/12/2011	17.14	Minor oil leakage from turret and Q.M.Work.
KDPH-Wankuswadi	16/12/2011	10.50	16/12/2011	18.15	Maintenance work.
220/132KV 100MVA ICT-II at Virur	16/12/2011	16.15	16/12/2011	18.28	Measurement of tan delta of ICT bushings.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhusawal - Jalgaon - II	06/12/2011	09.25		Continued.	Replacement of Bus Isolator @ BSL End.
Bus Section -II at Boiser	16/12/2011	09.07	16/12/2011	18.55	Replacement of 132KV line and bus isolator.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthning.
Bus section @ Kolshet	16/12/2011	11.11	16/12/2011	16.36	Hot Spot.
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 nitrogan pressure fire alarm received.
Bhusawal- Aurangabad	15/12/2011	20.30	16/12/2011	07.22	Over Voltage.
Karad - Kolhapur - I	16/12/2011	00.52	16/12/2011	09.45	Over Voltage.
400/220KV 500MVA ICT- I at Khaperkheda	16/12/2011	11.57		Continued.	Due to CTR low nitrogen pressure alarm received.
Karad - Kolhapur - II	16/12/2011	16.24		Continued.	Over Voltage.
Bhusawal- Aurangabad	16/12/2011	20.18	17/12/2011	04.52	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	09/12/2011	01.44		Continued.	Hand trip.
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
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).
Voltage Level : 132KV			Outage Type TRIPPED		
Ujani-Umarga	16/12/2011	22.30	16/12/2011	22.45	Distance protection.

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 17/Dec/2011

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			BHTGR/VEER	21	4
Unit 5	200	0	BHIRA T.R.	80	80
Unit 6	210	110	RNGR+BHTSA	20	17
Unit 7	210	90	BHANDARDRA	45	0
	620	200	ELDARY	23	15
Bhusawal			SMLHY_PTN	12	11
Unit 2	210	140	GHATGHAR	250	0
Unit 3	210	0		611	127
Unit 4	500		Wind		
	920	140	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	0	ATIT	0	
Unit 4	210	165	Kale	0	
Unit 5	210	125	Satara	0	
Unit 6	250	180	Shirala	0	
Unit 7	250	0	K Mahankal	0	
	1130	470	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	160	Dondaicha	0	
Unit 2	210	160	Sakri	0	
Unit 3	210	185	Nandurbar	0	
Unit 4	210	210	Khandke	0	
Unit 5	500	450	Khaparale	0	
Unit 6	500	370		0	
Unit 7	500	380	CPP		
	2340	1915	JSW_JAIGAD	600	825
Paras			WARDHA	405	363
Unit 3	250	150	Other_CPPs	0	
Unit 4	250	150		1005	1188
	500	300	Tata		
Khaparkheda			Trombay 4	150	0
Unit 1	210	200	Trombay 5	500	500
Unit 2	210	200	Trombay 6	500	500
Unit 3	210	210	Trombay 7A	120	120
Unit 4	210	210	Trombay 7B	60	60
Unit 5	500		Trombay 8	250	250
	1340	820	TATA Hydro	444	447
Nasik				2024	1877
Unit 3	210	192	REL		
Unit 4	210	192	1&2	500	500
Unit 5	210	162		500	500
	630	546	Cent Sect		
Uran			Share	3455	5131
All Units	852	500		3455	5131
	852	500			
PENCH (MS)					
Pench (MS)	53				
	53				
Koyna					
Stage 1-2	600	600			
Stage 4	1000	250			
Stage 3	320	320			
	1920	1170			
Hydro					
KDPH	40	0			
VTRNA	60	0			
TILLARI	60	0			