



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Nov/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Nov/2011 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	106.146	2907.438	1) Gujrat	5.497	87.209
2) Hydro	11.515	331.852	2) Madhya Pradesh	20.908	620.039
3) Gas	15.044	401.716	3) Chattisgarh	13.940	419.100
Total MSGENCO	132.705	3641.006	4) Maharashtra	50.348	1534.865
B) OTHERS			5) Goa	-6.450	-175.379
1) JSW JAIGAD	27.540	708.054	6) TAPS 1&2 Injection	7.721	217.169
2) WPCL	8.373	202.778	7) RGPPL Injection	29.683	853.789
3) Other CPP / IPP	6.673	147.237	8) Pench (Excess)	-0.229	-8.073
4) Wind Generation	11.001	136.152	# Total Cent. Sector	121.418	3548.719
5) PENCH (MS)	0.229	12.204	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.101	-294.237
1) TPCL Thermal	28.846	754.453	G) Bilateral Power *		
2) TPCL Hydro	4.155	103.555	1) MSEDCL Bilateral	40.632	1073.361
TOTAL TPCL	33.001	858.008	Include PX	1.475	74.457
3) REL Thermal	12.621	339.705	2) MUMBAI Bilateral	10.970	336.981
D) STATE			Include PX	-0.315	4.474
1) Thermal (A1+C1+C3)	147.613	4001.596	3) MUMBAI Schedule	10.970	347.294
2) Hydro (A2+B5+C2)	15.899	447.611	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.044	401.716	1) MSEDCL	296.838	8101.913
4) Wind (B4)	11.001	136.152	2) TPCL	38.040	993.610
5) CPP (B1+B2+B3)	42.586	1058.069	3) REL	18.681	498.283
TOTAL STATE	232.143	6045.144	TOTAL STATE	353.559	9593.806

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	4342	4408	4374
MSGENCO Hydro	987	760	149
MSGENCO Gas	617	621	645
MSGENCO Total Generation	5946	5789	5168
Central Sector Receipt	5288	5331	4784
WIND	518	238	567
CPP / IPP	1859	1864	1843
Exchange with Mumbai	-525	-651	-299
MSEDCL DEMAND MET	13109	12591	11739
Load Shedding (LS)	2004	1247	0
MSEDCL DEMAND (INCL. LS)	15113	13838	11739
TPCL GENERATION	1809	1667	877
REL GENERATION	527	526	526
TPCL+REL DEMAND	2861	2844	1702
STATE DEMAND MET	15970	15435	13441
Load Management (LM)	2425	3614	1563
Total Load Relief (LS+LM)	4429	4861	1563
UNRESTRICTED STATE DEMAND	20399	20296	15004
Frequency (Hz)	49.67	49.72	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 04:04 Hrs	49.15 Hz at 08:14 Hrs	49.74	.17 % 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 28/Nov/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.97	82.10	148	95	145
Unit 6	2.88	97.54	144	76	135
Unit 7	2.92	58.44	155	0	130
Total	8.77	238.08			410
Bhusawal					
Unit 2	4.34	98.42	195	155	190
Unit 3	4.56	82.67	200	175	180
Unit 4	0.00	0.00	0	0	0
Total	8.90	181.10			370
Parli					
Unit 3	0.00	25.34	0	0	0
Unit 4	3.76	98.31	186	132	150
Unit 5	0.54	79.36	126	0	0
Unit 6	1.07	110.98	165	0	0
Unit 7	4.90	116.45	249	171	200
Total	10.26	430.44			350
Chandrapur					
Unit 1	3.72	105.02	159	153	105
Unit 2	0.00	9.78	0	0	0
Unit 3	4.14	111.15	187	136	180
Unit 4	4.89	131.39	207	198	210
Unit 5	11.00	204.65	470	450	450
Unit 6	10.43	228.43	472	385	450
Unit 7	9.59	231.82	466	331	450
Total	43.78	1022.22			1845
Paras					
Unit 3	3.73	102.87	179	135	160
Unit 4	2.98	99.68	163	0	160
Total	6.71	202.56			320
Khaparkheda					
Unit 1	4.26	110.95	200	165	160
Unit 2	4.21	109.85	192	150	160
Unit 3	4.57	115.75	215	158	170
Unit 4	4.10	116.13	201	126	170
Unit 5	0.98	41.33	210	0	0
Total	18.12	494.01			660
Nasik					
Unit 3	5.16	130.03	220	200	192
Unit 4	0.00	104.62	0	0	0
Unit 5	4.45	104.39	191	175	162
Total	9.61	339.04			354
Uran					
All Units	15.04	401.72	645	606	630
Total	15.04	401.72			630
PENCH (MS)					
Pench (MS)	0.23	12.20	27	0	0
Total	0.23	12.20			0
Koyna					
Stage 1-2	3.00	101.68	445	35	520
Stage 4	2.50	96.10	374	0	250
Stage 3	1.46	42.94	234	0	320
Total	6.97	240.73			1090
Kovna 12&4 Total	5.51	197.78			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.48	8.28	20	19	20
VTRNA	0.00	0.39	0	0	0
TILLARI	0.00	6.79	0	0	0
BHTGR/VEER	0.13	5.71	6	5	7
BHIRA T.R.	0.12	6.03	63	0	80
RNGR+BHTSA	0.39	10.79	17	16	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	7.58	0	0	0
SMLHY PTN	1.42	21.61	68	56	25
GHATGHAR	2.01	23.94	250	0	0
Total	4.55	91.12			147
Wind					
MalharPeth	0.82	11.24			
Vankuswadi	1.50	18.39			
ATIT	0.18	4.01			
Kale	0.37	6.85			
Satara	2.73	25.55			
Shirala	0.39	7.87			
K Mahankal	0.03	7.30			
Supa	0.16	2.29			
Vita	1.61	24.81			
Dondaicha	1.65	12.23			
Sakri	0.35	2.24			
Nandurbar	0.13	1.44			
Khandke	0.46	6.07			
Khaparale	0.61	5.84			
Total	11.00	136.15			
CPP					
JSW JAIGAD	27.54	708.05	1212	918	1100
WARDHA	8.37	202.78	364	314	360
Other CPPs	6.67	147.24			
Total	42.59	1058.07			1460
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.78	280.66	494	285	490
Trombay 6	7.67	194.07	501	155	500
Trombay 7A	2.85	78.22	121	116	120
Trombay 7B	1.59	43.86	67	66	60
Trombay 8	5.95	157.64	250	246	250
TATA Hydro	4.16	103.56	438	0	447
Total	33.00	858.01			1867
REL					
1&2	12.62	339.70	528	514	500
Total	12.62	339.70			500
Cent Sect					
Share					5238
Total					5238

MS PG CL	Thermal	106.15	2907.44			4309
	Thml+Gas	121.19	3309.15			4939
	Hydro	11.52	331.85			1237
	Total	132.70	3641.01			6176
State Total		232.14	6045.14			15241

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/Nov/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	4513	139	645	5297	684	1526	4752	4967	-433	-423	12051	1972	12051	1940	15963	49.97
2	4382	139	645	5166	625	1492	4656	4760	-326	-358	11685	1839	11685	1792	15316	49.98
3	4374	149	645	5168	567	1519	4620	4784	-281	-299	11739	1563	11739	1702	15004	49.94
4	4345	138	645	5128	608	1517	4585	4747	-244	-238	11762	1828	11762	1641	15231	49.99
5	4210	148	635	4993	624	1617	4595	4892	-254	-235	11891	1868	11903	1639	15398	49.86
6	4250	306	636	5192	602	1809	4637	4848	-260	-232	12219	2724	12909	1718	16661	49.70
7	4362	456	626	5444	537	1776	4670	4579	-310	-255	12081	3866	13707	1853	17800	49.58
8	4424	577	633	5634	555	1788	4727	4671	-331	-339	12309	4362	14119	1946	18617	49.61
9	4407	562	618	5587	538	1800	4770	4698	-390	-441	12192	4522	13988	2206	18920	49.48
10	4406	749	620	5775	548	1845	4806	4899	-441	-477	12617	4507	14550	2572	19696	49.59
11	4436	1202	619	6257	550	1848	4841	4965	-494	-579	13064	4421	15068	2807	20292	49.57
12	4342	987	617	5946	518	1859	5172	5288	-537	-525	13109	4429	15113	2861	20399	49.67
13	4332	774	616	5722	503	1865	5167	5203	-537	-495	12824	4616	15018	2854	20294	49.66
14	4378	749	615	5742	459	1838	5187	5571	-526	-492	13121	4288	15022	2765	20174	49.79
15	4378	793	611	5782	336	1856	5229	5640	-526	-528	13086	3959	14853	2788	19833	49.67
16	4431	886	606	5923	295	1851	5239	5510	-537	-522	13057	4015	14948	2800	19872	49.72
17	4467	440	617	5524	261	1861	4938	4829	-507	-480	11995	4531	13998	2795	19321	49.69
18	4424	353	622	5399	216	1856	4949	5135	-510	-521	12085	4299	13509	2762	19146	49.65
19	4408	760	621	5789	238	1864	5178	5331	-620	-651	12591	4861	13838	2844	20296	49.72
20	4497	569	624	5690	254	1857	5305	5330	-620	-572	12586	4623	13534	2770	19979	49.68
21	4582	227	627	5436	346	1860	5224	5202	-591	-566	12303	4401	13050	2622	19326	49.75
22	4606	145	631	5382	386	1847	5229	4992	-581	-596	12036	4152	12575	2469	18657	49.82
23	4630	131	629	5390	376	1817	5110	5225	-581	-656	12172	3793	12655	2336	18301	49.73
24	4562	136	641	5339	375	1818	4949	5352	-532	-621	12263	3194	12585	2241	17698	49.88
MUs	106.15	11.52	15.04	132.70	11.00	42.59	118.54	121.42	-10.97	-11.10	296.84	88.63	324.18	56.72	442.19	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 28/Nov/2011

Position as on 6.30 Hrs of 29/Nov/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Chandrapur Unit 2	210	05/11/2011	11.02		Continued.	Boiler Tube Leakage,converted to AOH.	30/11/2011
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
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.	05/12/2011
Dabhol 1A	230	14/11/2011	12:00		Continued.	Gas Shortage.	30/11/2011
Cent_Sect Kawas GT2A	106	21/11/2011	18:30		Continued.	W/Dn.	
Dabhol 1B	230	23/11/2011	03.45		Continued.	Gas Shortage	
Dabhol 1X	290	23/11/2011	03.45		Continued.	Gas Shortage	
Koyna Unit 7	80	24/11/2011	07.46	28/11/2011	17.30	Outage.	
Khaparkheda Unit 5	500	24/11/2011	09.40	28/11/2011	15.58	Boiler Tube Leakage.	
Parli Unit 6	250	26/11/2011	07.05	28/11/2011	14.55	By pass valve problem.	
Nasik Unit 4	210	26/11/2011	09.15		Continued.	Boiler Tube Leakage.	30/11/2011
Cent_Sect sipat-5	500	27/11/2011	05.54	28/11/2011	12.50	Boiler Tube Leakage.	
Cent_Sect NTPC(V) 9	500	27/11/2011	23.21		Continued.	Boiler tube leakage.	30/11/2011
Paras Unit 4	250	28/11/2011	01.29	28/11/2011	05.12	ACW pump tripped.	
Parli Unit 5	210	28/11/2011	04.26		Continued.	P.A.fan problem.	29/11/2011
Koradi Unit 7	210	28/11/2011	17.36	28/11/2011	19.16	Furnace Pressure High	
Koradi Unit 5	200	29/11/2011	00.39		Continued.	Boiler Tube Leakage	01/12/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Nov/2011

Position as on 6.30 Hrs of 29/Nov/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-Parli (PGCIL) I	19/10/2011	21.40		Continued.	Over Voltage.
Parli (PG) - Wardha (PG) - II	24/11/2011	17.49	28/11/2011	16.37	Over Voltage.
Kolhapur-Mapusa-II	27/11/2011	16.23	28/11/2011	09.33	Over Voltage.
Akola - Aurangabad - I	28/11/2011	11.38	28/11/2011	17.10	Shifting from M.B.I to M.B.-II
Dhule-Sar'Sarovar - II	28/11/2011	16.53		Continued.	Over Voltage
Parli (PG) - Wardha (PG) - II	28/11/2011	16.55		Continued.	Isolator Problem
Kolhapur - Mapusa - I	28/11/2011	22.01		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Tillary-Amona	28/11/2011	15.34	28/11/2011	16.16	LBA Operated
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pench - Kanhan	23/11/2011	21.55		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	27/11/2011	16.31	28/11/2011	14.10	Tripped on Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Halkarni-Amona I	27/11/2011	16.36	28/11/2011	14.45	Distance protection.Declared faulty.
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.
Main Bus- I @ Koradi	28/11/2011	11.19		Continued.	Replacement of 29A Bus-I Isolator of various feeders under LES
Main Bus- I @ Aurangabad	28/11/2011	12.11	28/11/2011	19.13	Extension of M.B.-I to New Bhusawal Bay
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT
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 29/11/2011
Kalwa-Mulund II	12/11/2011	09.43		Continued.	Replacement of breaker isolator .Line taken on TBC.(up to 28/11/2011)
220/15.75KV 250 MVA GT III @ Parly-I	16/11/2011	12.25		Continued.	Replacement of main bus isolator.
Girivali - Parli - III	23/11/2011	10.13		Continued.	Replacement of Main-I & Main-II Isolator Under LES.
220/7 KV 20 MVA Stn.T/F-IV at Korady	23/11/2011	16.53		Continued.	(L V Side is on TBC) Rep, of 29B Isolator.
220/132 KV 100 MVA ICT-	24/11/2011	10.46		Continued.	Augmentation of ICT BY 200 MVA ICT.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Nov/2011

Position as on 6.30 Hrs of 29/Nov/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
I @ Girawali					
Borivali-Mulund	27/11/2011	08.08		Continued.	For erection of 220KV LA on LILO Tower.
Pedambe - Tambati	28/11/2011	08.50	28/11/2011	18.40	Bus Section-II outage at Pedambe
Pedambe - Karad	28/11/2011	09.11	28/11/2011	17.23	Bus Section-II outage at Pedambe
Pedambe - Oni	28/11/2011	09.15	28/11/2011	17.30	Bus Section-II outage at Pedambe
Bus section - I at Tambati	28/11/2011	09.15	28/11/2011	18.20	Maint.work
Pedambe - Pophali - II	28/11/2011	09.28	28/11/2011	18.10	Bus Section-II outage at Pedambe
Main Bus Section - II @ Pedambe	28/11/2011	09.38	28/11/2011	16.55	To attend Red Hot Spot
Lote - Dasturi	28/11/2011	10.47	28/11/2011	17.40	Maint.work
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthning.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	17/11/2011	20.32		Continued.	Buccolz alarm problem.
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogran pressure fire alarm received.
Karad-Kolhapur-II	26/11/2011	16.35	28/11/2011	14.16	Over Voltage
C'pur-Parli II	27/11/2011	16.15	28/11/2011	07.36	CVT replacement at Parli.
Bhusawal- Aurangabad	27/11/2011	20.48	28/11/2011	06.44	Over Voltage.
Karad - Kolhapur - I	28/11/2011	16.49		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Nasik-Bablsr - I	24/11/2011	10.24		Continued.	To Control the Load.
Voltage Level : 220KV			Outage Type TRIPPED		
Badnera-Akola-II	28/11/2011	16.23	28/11/2011	16.44	A/R Lockout (Tripped at Akola end only)

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Nov/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	120
Unit 7	210	120
	620	240
Bhusawal		
Unit 2	210	190
Unit 3	210	190
Unit 4	500	
	920	380
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	0
Unit 6	250	150
Unit 7	250	180
	1130	480
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	180
Unit 4	210	210
Unit 5	500	450
Unit 6	500	425
Unit 7	500	450
	2340	1875
Paras		
Unit 3	250	160
Unit 4	250	160
	500	320
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	0
	1340	660
Nasik		
Unit 3	210	210
Unit 4	210	0
Unit 5	210	180
	630	390
Uran		
All Units	852	640
	852	640
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	20
VTRNA	60	0
TILLARI	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	6
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	134
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	1100
WARDHA	405	360
Other CPPs	0	
	1005	1460
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	3455	5291
	3455	5291

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