



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Oct/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Oct/2011 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	102.466	2462.400	1) Gujrat	9.130	351.342
2) Hydro	4.748	493.518	2) Madhya Pradesh	21.717	548.799
3) Gas	14.878	388.543	3) Chattisgarh	14.040	322.160
Total MSGENCO	122.092	3344.461	4) Maharashtra	43.051	1118.827
B) OTHERS			5) Goa	-5.744	-161.066
1) JSW JAIGAD	22.678	574.189	6) TAPS 1&2 Injection	7.820	193.184
2) WPCL	7.215	247.976	7) RGPPL Injection	31.961	335.715
3) Other CPP / IPP	3.801	129.495	8) Pench (Excess)	-0.373	-14.244
4) Wind Generation	7.265	83.704	# Total Cent. Sector	121.602	2694.717
5) PENCH (MS)	0.373	15.037	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.728	-266.418
1) TPCL Thermal	23.773	793.661	G) Bilateral Power *		
2) TPCL Hydro	0.037	88.568	1) MSEDCL Bilateral	17.203	821.748
TOTAL TPCL	23.810	882.229	Include PX	0.000	175.412
3) REL Thermal	11.869	337.246	2) MUMBAI Bilateral	8.935	320.545
D) STATE			Include PX	0.346	24.661
1) Thermal (A1+C1+C3)	138.108	3593.307	3) MUMBAI Schedule	8.935	321.570
2) Hydro (A2+B5+C2)	5.158	597.123	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.878	388.543	1) MSEDCL	273.298	7406.098
4) Wind (B4)	7.265	83.704	2) TPCL	31.528	989.934
5) CPP (B1+B2+B3)	33.694	951.660	3) REL	15.876	496.399
TOTAL STATE	199.103	5614.337	TOTAL STATE	320.702	8892.431

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	4187	4178	4377
MSGENCO Hydro	437	521	72
MSGENCO Gas	610	640	427
MSGENCO Total Generation	5234	5339	4876
Central Sector Receipt	5688	5121	3972
WIND	446	209	453
CPP / IPP	1394	1374	1420
Exchange with Mumbai	-458	-553	-513
MSEDCL DEMAND MET	12304	11523	10240
Load Shedding (LS)	328	178	65
MSEDCL DEMAND (INCL. LS)	12632	11701	10305
TPCL GENERATION	1048	1163	810
REL GENERATION	528	525	412
TPCL+REL DEMAND	2034	2241	1735
STATE DEMAND MET	14338	13764	11975
Load Management (LM)	361	2248	41
Total Load Relief (LS+LM)	689	2426	106
UNRESTRICTED STATE DEMAND	15027	16190	12081
Frequency (Hz)	49.97	49.86	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.42 Hz at 07.06 Hrs	49.44 Hz at 20.34 Hrs	49.94	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 27/Oct/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.01	82.28	13	0	0
Unit 6	3.60	80.76	170	126	150
Unit 7	0.00	22.85	0	0	0
Total	3.61	185.89			150
Bhusawal					
Unit 2	3.88	24.34	170	150	170
Unit 3	3.57	85.96	170	120	160
Unit 4	0.00	3.62	0	0	
Total	7.45	113.92			330
Parli					
Unit 3	3.32	84.33	155	123	150
Unit 4	3.21	33.15	145	123	140
Unit 5	3.09	78.93	155	106	140
Unit 6	0.00	80.31	0	0	0
Unit 7	4.27	32.30	210	132	170
Total	13.89	309.02			600
Chandrapur					
Unit 1	3.67	102.72	162	146	150
Unit 2	3.17	86.66	146	117	120
Unit 3	4.24	112.42	187	150	180
Unit 4	1.65	51.32	170	0	160
Unit 5	9.49	222.03	445	295	400
Unit 6	9.85	216.48	445	350	400
Unit 7	9.95	226.24	447	343	400
Total	42.03	1017.86			1810
Paras					
Unit 3	3.76	85.50	189	130	150
Unit 4	3.55	62.39	190	93	150
Total	7.31	147.89			300
Khaparkheda					
Unit 1	4.18	104.96	205	120	190
Unit 2	3.88	78.79	183	122	170
Unit 3	3.77	110.31	203	122	180
Unit 4	4.42	116.02	212	126	200
Unit 5	0.00	31.95	0	0	
Total	16.25	442.03			740
Nasik					
Unit 3	4.31	88.30	195	160	190
Unit 4	3.84	76.19	170	150	170
Unit 5	3.78	81.30	176	130	150
Total	11.93	245.78			510
Uran					
All Units	14.88	388.54	667	427	640
Total	14.88	388.54			640
PENCH (MS)					
Pench (MS)	0.37	15.04	53	0	
Total	0.37	15.04			
Koyna					
Stage 1-2	1.15	144.98	90	35	600
Stage 4	0.00	216.87	0	0	250
Stage 3	0.76	78.63	252	0	320
Total	1.91	440.48			1170
Kovna 12&4 Total	1.15	361.85			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	1.40	0	0	0
VTRNA	0.00	1.27	0	0	0
TILLARI	0.48	10.69	60	0	60
BHTGR/VEER	0.05	2.25	2	2	2
BHIRA T.R.	0.12	7.16	58	0	40
RNGR+BHTSA	0.22	8.76	15	0	15
BHANDARDRA	0.00	2.23	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.55	11.45	32	20	12
GHATGHAR	1.42	7.84	250	0	0
Total	2.84	53.04			129
Wind					
MalharPeth	0.60	5.59			
Vankuswadi	1.31	10.47			
ATIT	0.13	1.87			
Kale	0.38	3.36			
Satara	1.35	12.62			
Shirala	0.59	4.06			
K Mahankal	0.02	4.47			
Supa	0.16	2.30			
Vita	1.45	14.28			
Dondaicha	0.00	9.82			
Sakri	0.17	2.28			
Nandurbar	0.06	1.52			
Khandke	0.59	6.92			
Khaparale	0.45	4.13			
Total	7.26	83.70			
CPP					
JSW JAIGAD	22.68	574.19	955	920	845
WARDHA	7.22	247.98	303	298	284
Other CPPs	3.80	129.50			
Total	33.69	951.66			1129
Tata					
Trombay 4	0.00	0.00	0	0	
Trombay 5	9.40	306.13	490	285	490
Trombay 6	4.50	218.92	430	155	500
Trombay 7A	2.87	71.50	123	115	120
Trombay 7B	1.58	40.62	66	65	60
Trombay 8	5.43	156.49	245	172	250
TATA Hydro	0.04	88.57	10	0	447
Total	23.81	882.23			1867
REL					
1&2	11.87	337.25	528	390	500
Total	11.87	337.25			500
Cent Sect					
Share					5631
Total					5631

MS PG CL	Thermal	102.47	2462.40			4440
	Thml+Gas	117.34	2850.94			5080
	Hydro	4.75	493.52			1299
	Total	122.09	3344.46			6379
State Total		199.10	5614.34			15506

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/Oct/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	4381	62	508	4951	430	1415	4894	4178	-120	-525	10474	159	10585	1975	12608	49.91
2	4403	67	498	4968	445	1413	4629	4173	-121	-614	10409	109	10474	1819	12337	49.89
3	4377	72	427	4876	453	1427	4605	3972	-122	-513	10240	106	10305	1735	12081	49.99
4	4339	67	665	5071	414	1412	4580	3861	-123	-441	10341	98	10406	1674	12113	49.96
5	4383	62	666	5111	364	1422	4580	4410	-132	-329	11002	210	11067	1664	12876	49.89
6	4446	87	665	5198	353	1416	4559	4738	-132	-232	11497	396	11563	1711	13604	49.79
7	4565	77	667	5309	343	1409	4830	4993	-228	-260	11804	407	11881	1755	13966	50.13
8	4539	67	657	5263	331	1406	4839	4500	-228	-313	11194	585	11438	1736	13515	50.05
9	4593	114	650	5357	317	1413	4857	4607	-228	-568	11126	682	11336	1800	13608	49.85
10	4501	159	629	5289	396	1403	5096	5458	-343	-481	12065	518	12178	1918	14501	49.90
11	4155	274	629	5058	439	1409	5412	5868	-343	-482	12292	487	12431	2007	14786	49.83
12	4187	437	610	5234	446	1394	5454	5688	-550	-458	12304	689	12632	2034	15027	49.97
13	4150	330	610	5090	351	1404	5396	5692	-550	-456	12081	744	12464	2053	14878	49.81
14	4183	395	612	5190	245	1408	5416	5578	-550	-408	12013	963	12319	2013	14989	49.94
15	4104	289	616	5009	167	1381	5427	5540	-550	-357	11740	1906	12007	2018	15664	49.97
16	4123	292	614	5029	130	1371	5305	5539	-550	-454	11615	1932	11857	2017	15564	49.96
17	4135	104	623	4862	142	1405	5254	4729	-396	-624	10514	2229	10728	1995	14738	50.09
18	4179	132	638	4949	177	1391	5217	4560	-411	-697	10380	2629	10559	1972	14981	49.83
19	4178	521	640	5339	209	1374	5384	5121	-501	-553	11523	2426	11701	2241	16190	49.86
20	4168	468	645	5281	171	1399	5582	5491	-600	-425	11970	1245	12077	2310	15525	50.02
21	4215	283	646	5144	209	1404	5597	6056	-555	-553	12309	332	12386	2307	14948	49.87
22	4162	207	654	5023	237	1409	5582	5968	-555	-677	11985	319	12049	2282	14586	49.98
23	4054	105	654	4813	227	1408	5332	5463	-521	-631	11305	319	11369	2222	13846	50.03
24	3946	77	655	4678	269	1401	5223	5419	-521	-677	11115	314	11175	2149	13578	49.96
MUs	102.47	4.75	14.88	122.09	7.26	33.69	123.05	121.60	-8.93	-11.73	273.30	19.80	276.99	47.41	340.51	49.94

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 27/Oct/2011

Position as on 6.30 Hrs of 28/Oct/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 7	210	08/10/2011	23.43		Continued.	Annual overhaul.	03/11/2011
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	
Khaparkheda Unit 5	500	21/10/2011	00.40		Continued.	Furnace pressure low.	
Parli Unit 6	250	21/10/2011	21.19		Continued.	Low bunkering problem.	28/10/2011
Koradi Unit 5	200	25/10/2011	23.38	27/10/2011	23.28	ID Fan Problem	
CPP WPCL U-1	135	26/10/2011	10.26		Continued.	ID Fan Problem.	
Uran Unit B0	120	26/10/2011	22.11	27/10/2011	02.03	Turbine protection operated.	
Dabhol 3B	230	26/10/2011	23.03		Continued.	Gas shortage.	
Chandrapur Unit 4	210	27/10/2011	10.10		Continued.	Boiler Tube Leakage.	31/10/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Oct/2011

Position as on 6.30 Hrs of 28/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PG)-Bhadravati I	08/10/2011	19.50		Continued.	Over Voltage
Parli-Parli (PGCIL) I	19/10/2011	21.40		Continued.	Over Voltage.
Parli (PGCIL)-Bhadravati-II	23/10/2011	21:57		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	24/10/2011	23.33		Continued.	Over Voltage.
Kolhapur - Mapusa - II	25/10/2011	16.19		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	22/10/2011	17:05		Continued.	Bus-I Bus bar protection operated due to Bursting of 400 KV Solapur (PGCIL) circuit breaker (Y-ph pole).
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona	26/10/2011	20.15	27/10/2011	06.22	Tripped due to 'B' phase coupling condenser burst at Tillary end.
Nasik-Navsari-I	27/10/2011	12.16	27/10/2011	13.29	Distance Protection.
IntraState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(8 MonthOutage)
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Supa - Shirur	23/10/2011	09:05		Continued.	Tower errection work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	24/10/2011	06.50		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	25/10/2011	22.51		Continued.	Over Voltage
Bhusawal- Aurangabad	27/10/2011	00.26	27/10/2011	06.32	H/T for Over Voltage.
Bhusawal- Aurangabad	27/10/2011	23.16	28/10/2011	05.30	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	12/10/2011	19.56		Continued.	For System Stabily.
Valve-Jamde	18/10/2011	17.18		Continued.	H/T due to Tower collapsed at Loc.N,40.44,45,46.
Bale-Osmanbad	26/10/2011	05.09	27/10/2011	14.21	H/T to control Parli ICT loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 105 MVA Spare ICT at Parly II	22/08/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
400/220KV,100 MVA Spare Unit at Korady	04/10/2011	10.50		Continued.	Buchholz Alarm Recieved.
Karad-Jaigad II	27/10/2011	17.02	27/10/2011	18.54	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Dondaicha - Jamde - I	18/10/2011	17.12		Continued.	Towers Damaged.
Dondaicha - Jamde - II.	18/10/2011	17.12		Continued.	Towers Damaged.
Dondaicha - Walve	18/10/2011	17.18		Continued.	Towers Damaged.
220/132KV 100MVA ICT-I at Bambhori	25/10/2011	19.06		Continued.	Tripped on R.E.F.
Halkarni -Tillary	26/10/2011	20.15	27/10/2011	05.35	At Tillary "B" Phase coupling condenser burst 60 MW Gen. loss at Tillary.
Karad-Pedambe	27/10/2011	23.36	27/10/2011	23.57	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Oct/2011

Position as on 6.30 Hrs of 28/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Vita - Lamboti	28/10/2011	03.31	28/10/2011	04.00	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Eldari - Jintur	19/10/2011	15.20		Continued.	B Phase Pole of C B Flashover.
null					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
50 MVAR Reactor of 400 KV Padgha-Bhoisor line	17/10/2011	19.47		Continued.	Oil Leakage at Padgha Reactor

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Oct/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	125
Unit 6	210	125
Unit 7	210	0
	620	250
Bhusawal		
Unit 2	210	170
Unit 3	210	160
Unit 4	500	
	920	330
Parli		
Unit 3	210	120
Unit 4	210	128
Unit 5	210	108
Unit 6	250	0
Unit 7	250	112
	1130	468
Chandrapur		
Unit 1	210	160
Unit 2	210	140
Unit 3	210	185
Unit 4	210	0
Unit 5	500	400
Unit 6	500	400
Unit 7	500	400
	2340	1685
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	125
Unit 2	210	125
Unit 3	210	125
Unit 4	210	125
Unit 5	500	
	1340	500
Nasik		
Unit 3	210	171
Unit 4	210	144
Unit 5	210	126
	630	441
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	0
VTRNA	60	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	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	845
WARDHA	405	285
Other CPPs	0	
	1005	1130
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	5698
	3455	5698

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