



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Nov/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Nov/2011 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	97.872	395.201	1) Gujrat	-2.261	7.511
2) Hydro	14.972	39.475	2) Madhya Pradesh	23.822	98.244
3) Gas	15.313	57.116	3) Chattisgarh	15.820	60.940
Total MSGENCO	128.157	491.792	4) Maharashtra	56.614	231.198
B) OTHERS			5) Goa	-6.567	-26.030
1) JSW JAIGAD	29.219	115.708	6) TAPS 1&2 Injection	7.858	30.335
2) WPCL	6.263	24.983	7) RGPPL Injection	31.411	126.504
3) Other CPP / IPP	4.568	15.835	8) Pench (Excess)	-0.415	-1.510
4) Wind Generation	3.310	11.635	# Total Cent. Sector	126.282	527.192
5) PENCH (MS)	0.415	1.692	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.414	-44.918
1) TPCL Thermal	28.043	113.379	G) Bilateral Power *		
2) TPCL Hydro	4.196	16.339	1) MSEDCL Bilateral	38.457	161.934
TOTAL TPCL	32.239	129.718	Include PX	1.874	16.876
3) REL Thermal	12.577	50.315	2) MUMBAI Bilateral	14.074	55.679
D) STATE			Include PX	1.598	6.379
1) Thermal (A1+C1+C3)	138.492	558.895	3) MUMBAI Schedule	14.074	55.679
2) Hydro (A2+B5+C2)	19.583	57.506	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.313	57.116	1) MSEDCL	286.800	1143.919
4) Wind (B4)	3.310	11.635	2) TPCL	37.192	148.904
5) CPP (B1+B2+B3)	40.050	156.526	3) REL	19.036	76.038
TOTAL STATE	216.748	841.678	TOTAL STATE	343.028	1368.861

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	4057	4151	3985
MSGENCO Hydro	1300	196	568
MSGENCO Gas	612	636	656
MSGENCO Total Generation	5969	4983	5209
Central Sector Receipt	5493	6053	5098
WIND	98	128	223
CPP / IPP	1662	1668	1665
Exchange with Mumbai	-701	-507	-281
MSEDCL DEMAND MET	12521	12378	11941
Load Shedding (LS)	1690	953	263
MSEDCL DEMAND (INCL. LS)	14211	13331	12204
TPCL GENERATION	1586	1717	942
REL GENERATION	524	523	525
TPCL+REL DEMAND	2811	2747	1748
STATE DEMAND MET	15332	15125	13689
Load Management (LM)	2834	4274	1543
Total Load Relief (LS+LM)	4524	5227	1806
UNRESTRICTED STATE DEMAND	19856	20352	15495
Frequency (Hz)	49.74	49.97	49.87

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 07.04 Hrs	49.33 Hz at 18.10 Hrs	49.82	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 04/Nov/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.50	14.24	162	119	145
Unit 6	3.46	15.32	161	120	150
Unit 7	0.00	0.00	0	0	0
Total	6.96	29.56			295
Bhusawal					
Unit 2	4.07	15.39	180	145	170
Unit 3	4.00	11.06	175	160	160
Unit 4	0.00	0.00	0	0	
Total	8.07	26.46			330
Parli					
Unit 3	2.18	11.70	163	0	150
Unit 4	4.17	15.67	200	135	135
Unit 5	2.94	11.64	149	106	115
Unit 6	3.96	15.94	186	135	160
Unit 7	4.62	16.52	224	159	170
Total	17.88	71.47			730
Chandrapur					
Unit 1	3.79	15.24	163	151	160
Unit 2	2.92	8.61	134	100	130
Unit 3	4.27	16.70	190	135	185
Unit 4	4.96	19.48	210	200	210
Unit 5	8.58	36.05	435	310	360
Unit 6	9.39	36.74	415	360	380
Unit 7	0.00	0.00	0	0	0
Total	33.91	132.82			1425
Paras					
Unit 3	3.39	14.09	154	123	150
Unit 4	3.38	14.70	170	104	150
Total	6.76	28.78			300
Khaparkheda					
Unit 1	3.96	12.65	180	145	170
Unit 2	4.10	15.04	187	158	170
Unit 3	4.06	15.80	181	146	170
Unit 4	4.02	15.94	188	144	170
Unit 5	0.00	0.00	0	0	
Total	16.13	59.44			680
Nasik					
Unit 3	0.00	13.62	0	0	0
Unit 4	4.43	17.42	194	170	180
Unit 5	3.72	15.64	183	133	140
Total	8.15	46.68			320
Uran					
All Units	15.31	57.12	663	602	630
Total	15.31	57.12			630
PENCH (MS)					
Pench (MS)	0.42	1.69	53	0	
Total	0.42	1.69			
Koyna					
Stage 1-2	4.78	14.02	505	35	600
Stage 4	5.16	10.35	560	0	250
Stage 3	2.39	5.66	318	0	320
Total	12.32	30.04			1170
Kovna 12&4 Total	9.94	24.38			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.40	1.70	60	0	60
BHTGR/VEER	0.16	0.54	7	6	8
BHIRA T.R.	0.20	0.99	78	0	45
RNGR+BHTSA	0.37	1.45	16	15	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.06	0.06	15	0	0
SMLHY PTN	0.43	2.17	26	15	11
GHATGHAR	1.01	2.52	250	0	0
Total	2.65	9.44			139
Wind					
MalharPeth	0.23	1.00			
Vankuswadi	0.46	1.57			
ATIT	0.05	0.26			
Kale	0.18	0.55			
Satara	0.13	0.94			
Shirala	0.15	0.55			
K Mahankal	0.71	1.91			
Supa	0.08	0.33			
Vita	0.65	2.14			
Dondaicha	0.08	0.08			
Sakri	0.07	0.33			
Nandurbar	0.08	0.39			
Khandke	0.27	0.92			
Khaparale	0.15	0.66			
Total	3.31	11.64			
CPP					
JSW JAIGAD	29.22	115.71	1222	1213	1100
WARDHA	6.26	24.98	263	259	260
Other CPPs	4.57	15.84			
Total	40.05	156.53			1360
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.28	44.47	490	395	490
Trombay 6	6.96	29.08	380	160	500
Trombay 7A	2.87	10.68	123	114	120
Trombay 7B	1.57	6.08	66	64	60
Trombay 8	5.36	23.07	248	185	250
TATA Hydro	4.20	16.34	441	0	447
Total	32.24	129.72			1867
REL					
1&2	12.58	50.32	526	521	500
Total	12.58	50.32			500
Cent Sect					
Share					5597
Total					5597

MS PG CL	Thermal	97.87	395.20		4080
	Thml+Gas	113.18	452.32		4710
	Hydro	14.97	39.48		1309
	Total	128.16	491.79		6019
State Total		216.75	841.68		15343

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	4000	495	638	5133	267	1672	5266	4894	-564	-486	11505	2104	11600	2030	15639	49.80
2	4021	512	651	5184	243	1666	5174	4950	-454	-335	11733	2072	11948	1848	15653	49.82
3	3985	568	656	5209	223	1667	5058	5098	-380	-281	11941	1806	12204	1748	15495	49.87
4	4097	290	660	5047	182	1668	4996	5386	-332	-210	12098	1936	12454	1674	15708	49.93
5	4099	122	663	4884	154	1669	4975	5486	-311	-188	12030	1980	12443	1651	15661	49.89
6	4063	816	656	5535	95	1670	4965	5355	-300	-201	12466	2365	13107	1692	16523	49.79
7	4172	1162	660	5994	99	1669	4980	4185	-300	-193	11754	3811	13182	1745	17310	49.73
8	4200	400	656	5256	89	1668	4980	4297	-321	-247	11063	4327	12583	1879	17269	49.88
9	4119	157	650	4926	90	1665	5023	4822	-379	-268	11235	4152	12388	2141	17528	49.83
10	4098	772	627	5497	100	1663	5237	5085	-499	-456	11889	4334	13307	2494	18717	49.72
11	4078	808	622	5508	125	1659	5801	5357	-705	-613	12036	4471	13733	2721	19228	49.74
12	4057	1300	612	5969	98	1662	5911	5493	-812	-701	12521	4524	14211	2811	19856	49.74
13	4025	1539	615	6179	105	1672	5912	5290	-812	-674	12572	4667	14403	2807	20046	49.67
14	4080	1159	612	5851	112	1673	5908	5542	-812	-677	12501	4532	14294	2727	19760	49.80
15	4096	1355	602	6053	90	1669	5889	5412	-812	-735	12489	4166	14103	2782	19437	49.76
16	4092	1488	615	6195	92	1676	5798	5571	-812	-735	12799	4186	14475	2788	19773	49.72
17	3966	658	625	5249	57	1674	5493	5240	-812	-724	11496	4731	13324	2772	18999	49.78
18	4076	263	624	4963	65	1671	5399	4934	-748	-623	11010	4856	12421	2733	18599	49.67
19	4126	457	637	5220	95	1670	5467	5568	-694	-542	12064	5405	13276	2802	20271	49.89
20	4151	196	636	4983	128	1668	5581	6053	-669	-507	12378	5227	13331	2747	20352	49.97
21	4096	155	644	4895	179	1670	5540	5826	-640	-468	12152	5030	12926	2616	19798	49.88
22	4051	110	647	4808	187	1668	5533	5664	-640	-494	11882	4777	12421	2469	19128	49.99
23	4095	92	655	4842	209	1671	5372	5497	-640	-537	11730	4186	12206	2335	18251	49.99
24	4029	98	650	4777	226	1670	5254	5278	-630	-519	11457	3633	11787	2218	17308	49.90
MUs	97.87	14.97	15.31	128.16	3.31	40.05	129.51	126.28	-14.07	-11.41	286.80	93.28	312.13	56.23	436.31	49.82

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 04/Nov/2011

Position as on 6.30 Hrs of 05/Nov/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.	05/11/2011
Koyana ST - IV 4	250	03/11/2011	04.42		Continued.	Attending Oil Leakage through Spherical Valve	23/11/2011
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.	
Dabhol 3A	230	29/10/2011	13.22		Continued.	Due to gas shortage.	
Chandrapur Unit 7	500	29/10/2011	23.58		Continued.	Boiler tube leakage.	05/11/2011
CPP WPCL U-4	135	02/11/2011	04.40		Continued.	ID Fan Problem	05/11/2011
Nasik Unit 3	210	03/11/2011	23.35		Continued.	Boiler tube leakage.	06/11/2011
Cent_Sect KARPR1	220	04/11/2011	01.22		Continued.	To attend fuelling machine bridge ball nut problem.	05/11/2011
Parli Unit 3	210	04/11/2011	15.42		Continued.	Air heater problem.	08/11/2011
Uran Unit B0	120	05/11/2011	02.09		Continued.	Tripped	05/11/2011
Uran Unit 8	108	05/11/2011	02.11		Continued.	Tripped.	05/11/2011

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Nov/2011

Position as on 6.30 Hrs of 05/Nov/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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.
Parly(PG) - Wardha (PG) - I	02/11/2011	11.33		Continued.	To control Koradi-Bhilai Load
Parli (PG) - Wardha (PG) - II	02/11/2011	12.51		Continued.	To control Koradi-Bhilai Load
Karad - Solapur (PGCIL)	03/11/2011	17.36	04/11/2011	10.06	H/T for O/V
Kolhapur - Mapusa - II	03/11/2011	22.18	04/11/2011	10.50	Over voltage.
Parli (PG)-Bhadravati I	03/11/2011	22.23		Continued.	Over voltage.
Kolhapur - Mapusa - I	04/11/2011	22.04		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50MVAR Line Reactor of 400KV Parli-Lnknd-I	02/11/2011	10.52		Continued.	Oil Leakage and Filtration work
Karad-New Koyna II	03/11/2011	11.28		Continued.	Taken on TBC to attend hot spot.
400/220KV, 315MVA ICT-I @ New Koyna.	04/11/2011	07.56	04/11/2011	13.30	Replacement of L.A.
Bablswr-Padgha Ckt I	04/11/2011	08.58	04/11/2011	17.48	Replacement of broken disc insulator string.
Padgha - Nagothane- II	04/11/2011	09.57	04/11/2011	19.15	Hot spot attending and maintenance work.
Bus Coupler @ Padgha	04/11/2011	10.31	04/11/2011	15.29	Hot line maintenance work.
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
Jejuri I-Jejuri II	03/11/2011	08.48	04/11/2011	21.07	Replacement breaker.(2 days outage)
Padgha-Jambhul-I	04/11/2011	09.20	04/11/2011	20.05	Jumper replacement.
220/132 KV 200 MVA ICT - V @ Nasik (OCR) New	04/11/2011	09.40	04/11/2011	16.46	SFRA,tan delta and testing work.
Talangade-Ichalkaranji I	04/11/2011	10.32	04/11/2011	17.40	Hot spot attending and Q.M.Work
Chalisgaon - Malegaon	04/11/2011	11.11	04/11/2011	20.14	Q.M.Work
Dhule-Chalisgaon	04/11/2011	12.15	04/11/2011	20.14	Disconnecting line side isolator jumper.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Hinganghat-ISMT I	03/11/2011	12.43	04/11/2011	16.05	measurment of ratio error and phase angle error CTs and PTs.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,100 MVA Spare Unit at Korady	31/10/2011	02.36		Continued.	Buchholz Alarm received
Karad - Kolhapur - II	01/11/2011	16.04	04/11/2011	10.56	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Nov/2011

Position as on 6.30 Hrs of 05/Nov/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - I	04/11/2011	16.55		Continued.	Over Voltage.
Bhusawal- Aurangabad	04/11/2011	22.11		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	12/10/2011	19.56		Continued.	For System Stabiltly.
Valve-Jamde	18/10/2011	17.18	04/11/2011	17.40	H/T due to Tower collapsed at Loc.N,40,44,45,46.
Nasik-Bablsr - II	04/11/2011	09.42	04/11/2011	11.56	H/T to control Nasik Bus-II over loading.
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Ganeshkhanda-Chinchwad	03/11/2011	09.19		Continued.	Bunching work.
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.
Nagothane-Dabhol-I	04/11/2011	14.01	04/11/2011	14.35	Distance protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Dondaicha - Jamde - I	18/10/2011	17.12	04/11/2011	17.27	Towers Damaged.
Dondaicha - Jamde - II.	18/10/2011	17.12	04/11/2011	17.45	Towers Damaged.
220/132KV 100MVA ICT-I at Bambhori	25/10/2011	19.06		Continued.	Tripped on R.E.F.
Karad-Kolhapur - II	04/11/2011	06.15	04/11/2011	16.45	Distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Eldari - Jintur	19/10/2011	15.20		Continued.	B Phase Pole of C B Flashover.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Nov/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	145
Unit 6	210	140
Unit 7	210	0
	620	285
Bhusawal		
Unit 2	210	170
Unit 3	210	160
Unit 4	500	
	920	330
Parli		
Unit 3	210	0
Unit 4	210	145
Unit 5	210	160
Unit 6	250	175
Unit 7	250	185
	1130	665
Chandrapur		
Unit 1	210	165
Unit 2	210	110
Unit 3	210	180
Unit 4	210	205
Unit 5	500	430
Unit 6	500	400
Unit 7	500	0
	2340	1490
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	170
Unit 5	500	
	1340	650
Nasik		
Unit 3	210	0
Unit 4	210	172
Unit 5	210	126
	630	298
Uran		
All Units	852	630
	852	630
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	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	20
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	260
Other CPPs	0	
	1005	1360
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	5538
	3455	5538

	17900	7 of 7	15217
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