



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Apr/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Apr/2011 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	128.684	3179.797	1) Madhya Pradesh	63.406	1305.100
2) Hydro	17.508	577.293	2) Gujrat	30.289	805.088
3) Gas	13.864	370.919	3) Goa	-6.308	-165.747
Total MSGENCO	160.056	4128.009	4) TAPS 1&2 (Inj.)	7.816	165.697
B) OTHERS			5) Pench (Excess)	-0.081	-5.686
1) RGPPL Gas	32.459	864.435	# Total Cent. Sector	95.122	2104.452
2) Wind Generation	4.274	144.689	F) Other Exchanges		
3) CPP	23.630	604.678	1) With TPCL (Excess)	-11.236	-314.346
4) PENCH (MS)	0.081	5.686	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	15.169	360.910
1) TPCL Thermal	28.411	621.039	Include PX	0.000	2.294
2) TPCL Hydro	4.837	96.089	2) MUMBAI Bilateral	13.262	332.133
TOTAL TPCL	33.248	717.128	Include PX	-1.104	21.450
3) REL Thermal	12.487	314.069	3) MUMBAI Schedule	13.262	334.508
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	169.582	4114.905	1) MSEDCL	304.386	7537.603
2) Hydro (A2+B3+C2)	22.426	679.068	2) TPCL	37.733	888.557
3) Gas (A3+B1)	46.323	1235.354	3) REL	19.235	456.908
4) Wind (B2)	4.274	144.689	TOTAL STATE	361.354	8883.068
5) CPP (B3)	23.630	604.678			
TOTAL STATE	266.235	6778.694			

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	5159	5418	5491
MSGENCO Hydro	1210	1029	198
MSGENCO Gas	471	628	642
MSGENCO Total Generation	6840	7075	6331
Central Sector Receipt	4735	4290	3090
RGPPL	1287	1288	1448
WIND	42	250	230
CPP	994	939	1000
Exchange with Mumbai	-632	-554	-240
MSEDCL DEMAND MET	13266	13296	11859
Load Shedding (LS)	0	0	0
MSEDCL DEMAND (INCL. LS)	13266	13296	11859
TPCL GENERATION	1758	1555	1007
REL GENERATION	522	505	522
TPCL+REL DEMAND	2912	2614	1769
STATE DEMAND MET	16178	15910	13628
Load Management (LM)	2038	3370	1479
Total Load Relief (LS+LM)	2038	3370	1479
UNRESTRICTED STATE DEMAND	18216	19280	15107
Frequency (Hz)	49.82	49.68	49.89

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.43 Hz at 18:02 Hrs	49.28 Hz at 19:27 Hrs	49.85	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 25/Apr/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	4.05	100.22	178	151	170
Unit 6	4.17	107.78	188	160	170
Unit 7	4.19	91.51	195	150	185
	12.41	299.51			525
Bhusawal					
Unit 2	4.34	98.04	190	165	180
Unit 3	4.42	99.70	190	175	185
Unit 4	0.00	0.00	0	0	
	8.76	197.75			365
Parli					
Unit 3	3.52	87.83	163	120	150
Unit 4	3.62	99.28	175	132	150
Unit 5	2.61	95.55	135	0	125
Unit 6	4.02	130.26	243	0	230
Unit 7	4.13	116.49	252	90	135
	17.90	529.42			790
Chandrapur					
Unit 1	3.91	92.61	170	142	170
Unit 2	4.04	77.87	171	162	160
Unit 3	4.52	95.64	200	174	195
Unit 4	3.70	84.94	177	122	150
Unit 5	10.31	258.30	455	400	450
Unit 6	10.28	257.16	482	385	425
Unit 7	10.55	197.19	450	410	440
	47.31	1063.72			1990
Paras					
Unit 3	5.40	115.96	238	214	230
Unit 4	6.01	140.26	260	240	250
	11.41	256.21			480
Khaparkheda					
Unit 1	4.28	115.34	190	170	200
Unit 2	4.20	100.96	182	160	190
Unit 3	0.48	115.74	180	0	0
Unit 4	4.99	129.43	218	196	210
Unit 5	0.00	0.00	0	0	
	13.95	461.47			600
Nasik					
Unit 1	2.02	37.34	97	65	90
Unit 2	2.16	40.50	98	77	90
Unit 3	4.40	108.72	195	155	190
Unit 4	4.54	99.82	206	159	200
Unit 5	3.82	85.33	200	10	200
	16.93	371.72			770
Uran					
All Units	13.86	370.92	652	468	470
	13.86	370.92			470
Dabhol					
RGPPL	32.46	864.44	1579	1265	1400
	32.46	864.44			1400
Koyna					
Stage 1-2	4.90	132.56	595	35	600
Stage 4	5.52	247.39	803	0	250
Stage 3	2.35	81.81	240	0	320
	12.77	461.76			1170
Kovna 12&4 Total	10.41	379.95			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.32	11.25	19	0	19
VTRNA	1.44	31.88	61	60	60
TILLARI	0.18	6.53	60	0	60
BHTGR/VEER	0.39	9.13	17	16	16
BHIRA T.R.	0.10	5.37	56	0	80
RNGR+BHTSA	0.32	8.40	14	13	14
BHANDARDRA	0.17	4.46	8	7	0
ELDARY	0.26	4.34	12	11	11
SMLHY PTN	0.60	21.44	33	22	10
GHATGHAR	0.96	12.73	240	0	0
	4.74	115.53			270
PENCH (MS)					
Pench (MS)	0.08	5.69	26	0	
	0.08	5.69			
Wind					
MalharPeth	0.08	5.03			
Vankuswadi	0.30	10.24			
ATIT	0.03	3.68			
Kale	0.08	3.74			
Satara	0.22	9.74			
Shirala	0.09	4.30			
K Mahankal	0.01	2.89			
Supa	0.02	2.00			
Vita	0.23	18.31			
Dondaicha	2.30	56.08			
Sakri	0.37	8.68			
Nandurbar	0.30	6.83			
Khandke	0.08	7.03			
Khaparale	0.16	6.12			
	4.27	144.69			
CPP					
JSW JAIGAD	13.01	328.72	547	537	505
WARDHA	5.47	147.78	274	113	236
Other CPPs	5.15	128.18			
	23.63	604.68			741
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.28	262.20	490	375	500
Trombay 6	6.96	125.24	450	150	500
Trombay 7A	2.86	71.27	122	117	120
Trombay 7B	1.58	38.88	66	65	60
Trombay 8	5.73	123.46	250	160	250
TATA Hydro	4.84	96.09	432	0	447
	33.25	717.13			1877
REL					
1&2	12.49	314.07	524	505	500
	12.49	314.07			500
Cent Sect					
Share					3478
					3478

MS PG CL	Thermal	128.68	3179.80		5520
	Thml+Gas	142.55	3550.72		5990
	Hydro	17.51	577.29		1440
	Total	160.06	4128.01		7430
State Total		266.24	6778.69		15426

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/Apr/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	5526	188	642	6356	1434	420	1039	3235	3083	-571	-419	11913	2069	11913	2069	16051	49.89
2	5527	188	644	6359	1451	281	1004	3139	3100	-454	-288	11907	1962	11907	1889	15758	49.93
3	5491	198	642	6331	1448	230	1000	3057	3090	-367	-240	11859	1479	11859	1769	15107	49.89
4	5416	188	645	6249	1458	254	1005	2995	3222	-311	-207	11981	1480	11981	1691	15152	49.92
5	5389	188	644	6221	1458	158	1007	2964	3222	-278	-165	11901	1570	11901	1674	15145	49.88
6	5408	369	647	6424	1458	139	1001	2940	3292	-272	-189	12125	1746	12125	1725	15596	49.83
7	5493	454	652	6599	1440	144	1001	3232	3471	-359	-276	12379	1911	12379	1757	16047	49.84
8	5587	434	646	6667	1579	39	1006	3242	3732	-370	-283	12740	1911	12740	1874	16525	50.08
9	5602	501	497	6600	1325	36	1000	3302	4278	-425	-410	12829	1911	12829	2160	16900	49.95
10	5406	893	492	6791	1296	32	996	3508	4256	-501	-500	12871	1960	12871	2551	17382	49.83
11	5233	912	493	6638	1297	27	994	3726	4927	-611	-629	13254	2032	13254	2846	18132	49.92
12	5159	1210	471	6840	1287	42	994	3788	4735	-676	-632	13266	2038	13266	2912	18216	49.82
13	5056	1602	475	7133	1277	83	994	3755	4527	-698	-613	13401	2036	13401	2909	18346	49.69
14	5057	1884	470	7411	1276	71	1000	3686	4131	-649	-562	13327	2034	13327	2831	18192	49.78
15	5123	1993	471	7587	1265	76	997	3672	3961	-688	-618	13268	1898	13277	2898	18064	49.72
16	5217	1991	468	7676	1286	82	984	3576	3934	-708	-645	13317	1822	13331	2907	18046	49.88
17	5293	1141	484	6918	1284	112	973	3567	4662	-688	-591	13358	1800	13358	2876	18034	49.87
18	5406	469	578	6453	1292	124	864	3518	4440	-633	-543	12630	2109	12630	2752	17491	49.98
19	5396	212	628	6236	1294	192	880	3434	4160	-603	-490	12272	3009	12272	2620	17901	49.91
20	5418	1029	628	7075	1288	250	939	3614	4290	-687	-554	13296	3370	13296	2614	19280	49.68
21	5460	592	637	6689	1297	390	993	3679	4407	-730	-637	13159	3380	13159	2545	19084	49.85
22	5448	362	637	6447	1302	366	1000	3685	4369	-716	-668	12842	3380	12842	2426	18648	49.79
23	5328	266	634	6228	1328	345	975	3493	4015	-634	-534	12383	3380	12383	2360	18123	49.78
24	5245	244	639	6128	1339	381	984	3368	3818	-634	-543	12108	3019	12108	2316	17443	49.75
MUs	128.68	17.51	13.86	160.06	32.46	4.27	23.63	82.18	95.12	-13.26	-11.24	304.39	53.31	304.41	56.97	414.66	49.85

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 25/Apr/2011

Position as on 6.30 Hrs of 26/Apr/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Dabhol 1B	230	15/03/2011	02.37		Continued.	Upgradation Work.	27/04/2011
Cent_Sect NTPC(K-3)	210	31/03/2011	23.46		Continued.	Annual Overhaul	30/04/2011
Cent_Sect NTPC(V-4)	210	10/04/2011	00.01		Continued.	Annual overhaul.	10/05/2011
Khaparkheda Unit 3	210	25/04/2011	02.51		Continued.	Annual overhaul.	25/05/2011
FORCED OUTAGE							
CPP WPCL U-3	135	25/04/2011	01.22		Continued.	Filter replacement work.	26/04/2011
Koyna Unit 10	80	25/04/2011	07.30	25/04/2011	18.00	R.M.Work	
Dabhol 3A	230	25/04/2011	08.16	25/04/2011	21.27	Air Cooler Leakage	
Uran Unit 8	108	25/04/2011	08.30	25/04/2011	18.00	Filter replacement	
Parli Unit 6	250	25/04/2011	09.28	25/04/2011	12.11	High Furnace Pressure	
Nasik Unit 5	210	25/04/2011	12.15	25/04/2011	13.45	Bus Bar Protection Operated	
CPP WPCL U-1	135	25/04/2011	16.50	25/04/2011	18.32	Tripped	
Parli Unit 5	210	25/04/2011	22.21		Continued.	Non availability of coal mill	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Apr/2011

Position as on 6.30 Hrs of 26/Apr/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Pench-Mansar	08/04/2011	10.35		Continued.	Replacement of relay & control pannel up to 26.04.2011.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	24/04/2011	17.36		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 100 MVA Spare Unit @ Koradi	14/04/2011	09.18		Continued.	Shifting to Replace R Ph Unit of ICT-I.
400/220 KV 315MVA ICT-II @ Kolhapur	25/04/2011	09.53	25/04/2011	17.32	To attend Hot Spot
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(6 Month Outage.)
220/7 KV 20 MVA Stn.T/F-II at Korady	31/03/2011	10.47		Continued.	Oil Leakage.
Borivali-Boisar	03/04/2011	09.48		Continued.	LILO work of 220KV Borivali-Boiser at 220KV Ghodbandar(Up to 28/4/11)
Kalwa - Tifil	15/04/2011	09.42		Continued.	Stringing of 4th ckt. between Mahape S/S and TIFIL LILO Tower., up to 26.04.2011.
220/132 KV 100 MVA ICT-II @ Parbhani	16/04/2011	11.38		Continued.	Augmentation by 200MVA ICT.
Dhule-Chalisgaon	25/04/2011	10.42	25/04/2011	17.58	Line Isolator Alignment work
Shendra-Jalna Ckt.	25/04/2011	11.52	25/04/2011	15.54	Isolator Alignment work
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Pedambe-- Ratnagiri	25/04/2011	09.25	25/04/2011	17.28	Insulator Washing
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 315 MVA ICT - II @ Parli	21/04/2011	23.01		Continued.	To Attend L V Side Main Bkr.Problem.L V Side of ICT Taken on
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Khaparkheda-Ambazari - I	25/04/2011	11.02	25/04/2011	12.40	Erection of Main Bus-II Isolator(Ckt is on TBC)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	24/04/2011	21.02	25/04/2011	05.32	Over Voltage.
Bhusawal- Aurangabad	25/04/2011	21.54	26/04/2011	06.00	Over Voltage
New Koyna - Jaigad - II	26/04/2011	03.26		Continued.	H/T due to sparking
Voltage Level : 220KV			Outage Type HAND TRIPPED		
BBLSR-Waluj	09/04/2011	10.14		Continued.	To control A'bad ICT Loading.
Dhule-Chalisgaon	09/04/2011	15.54		Continued.	H/T to control Dhule ICTs over loading.
Chandrapur-Warora - I	17/04/2011	15.00		Continued.	To control Warora-Hinganghat line loading.
Hingoli-Pusad	18/04/2011	13.07		Continued.	To control Wardha-Yavatmal load
Wardha-Abhijeet I	18/04/2011	17.05		Continued.	To control Koradi ICT Load
Wardha-Abhijeet II	25/04/2011	17.04		Continued.	To control Koradi ICT Load
Wardha-K'Kheda	25/04/2011	18.58		Continued.	To control Koradi ICT Load
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Supa - Shirur	07/03/2011	15.15		Continued.	To control Lonikand ICT Load

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Apr/2011

Position as on 6.30 Hrs of 26/Apr/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
Bablsr-Padgha Ckt I	24/04/2011	17.54	25/04/2011	09.38	Distance protection.
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).
220/110KV 200MVA ICT-II at Mudshingi	10/04/2011	18.10		Continued.	Differential Protection, Defective B Phase LA replaced(Kept on Humming at 16.30Hrs on 18/4/11)
Babhaleshwar-Nasik-II	25/04/2011	12.10	25/04/2011	14.33	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Chikali - Dusr Bid	25/04/2011	07.30		Continued.	Erection of Tower

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/Apr/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	167
Unit 6	210	185
Unit 7	210	173
	620	525
Bhusawal		
Unit 2	210	185
Unit 3	210	191
Unit 4	0	
	420	376
Parli		
Unit 3	210	150
Unit 4	210	100
Unit 5	210	0
Unit 6	250	200
Unit 7	250	200
	1130	650
Chandrapur		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	200
Unit 4	210	175
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2055
Paras		
Unit 3	250	210
Unit 4	250	230
	500	440
Khaparkheda		
Unit 1	210	190
Unit 2	210	185
Unit 3	210	0
Unit 4	210	220
Unit 5	0	
	840	595
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	190
Unit 4	210	190
Unit 5	210	180
	870	750
Uran		
All Units	852	620
	852	620
Dabhol		
RGPP	1940	1400
	1940	1400
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	19

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	14
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	10
SMLHY PTN	12	19
GHATGHAR	250	0
	611	278
PENCH (MS)		
Pench (MS)	53	
	53	
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	505
WARDHA	405	350
Other CPPs	0	
	1005	855
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	3584
	3455	3584