



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/May/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/May/2010 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	99.044	1113.593	1) Madhya Pradesh	58.552	838.596
2) Hydro	44.632	286.348	2) Gujrat	26.141	265.276
3) Gas	16.632	195.911	3) Goa	-6.355	-72.895
Total MSGENCO	160.308	1595.852	4) TAPS 1&2 (Inj.)	7.075	85.568
B) OTHERS			5) Pench (Excess)	-0.384	-2.416
1) RGPPL Gas	22.452	378.790	# Total Cent. Sector	85.029	1114.129
2) Wind Generation	8.709	97.761	F) Other Exchanges		
3) CPP	4.090	47.981	1) With TPCL (Excess)	-9.704	-101.640
4) PENCH (MS)	0.384	2.416	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	6.114	78.128
1) TPCL Thermal	33.619	389.360	Include PX	0.907	29.537
2) TPCL Hydro	3.121	35.220	2) MUMBAI Bilateral	10.649	114.786
TOTAL TPCL	36.740	424.580	Include PX	2.285	16.207
3) REL Thermal	12.480	149.407	3) MUMBAI Schedule	10.649	114.786
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	145.143	1652.360	1) MSEDCL	271.268	3135.289
2) Hydro (A2+B3+C2)	48.137	323.984	2) TPCL	37.760	429.201
3) Gas (A3+B1)	39.084	574.701	3) REL	21.242	246.483
4) Wind (B2)	8.709	97.761	TOTAL STATE	330.270	3810.973
5) CPP (B3)	4.090	47.981			
TOTAL STATE	245.163	2696.787			

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	4040	4273	4146
MSGENCO Hydro	2117	1745	1849
MSGENCO Gas	674	692	706
MSGENCO Total Generation	6831	6710	6701
Central Sector Receipt	3840	4034	2831
RGPPL	924	937	940
WIND	260	473	370
CPP	148	166	160
Exchange with TPCL	-678	-389	-127
MSEDCL DEMAND MET	11349	11955	10875
Load Shedding	4307	4530	2022
MSEDCL DEMAND (INCL. LS)	15656	16485	12897
TPCL GENERATION	1719	1733	1393
REL GENERATION	521	518	521
TPCL+REL DEMAND	2918	2640	2041
STATE DEMAND MET	14267	14595	12916
STATE DEMAND (INCL. LS)	18574	19125	14938
Frequency (Hz)	49.46	49.62	49.44
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			6830 MW at 13.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			131.35 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.07 Hz at 19.05 Hrs	48.84 Hz at 22.14 Hrs	49.52	1.71 % of Time

* 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 12/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.78	20.32	81	61	70
Unit 2	1.69	19.56	76	62	70
Unit 3	1.89	21.74	84	70	75
Unit 4	0.00	0.01	0	0	0
Unit 5	2.87	32.74	141	90	105
Unit 6	3.01	29.29	145	88	100
Unit 7	3.16	37.94	156	98	110
	14.39	161.61			530
Bhusawal					
Unit 1	1.05	11.78	48	38	50
Unit 2	4.03	51.38	179	153	195
Unit 3	4.16	35.79	195	156	195
	9.24	98.95			440
Parli					
Unit 1	0.58	6.74	26	23	22
Unit 2	0.56	6.53	26	20	22
Unit 3	4.08	47.06	183	148	180
Unit 4	4.17	46.39	186	138	180
Unit 5	4.14	46.49	183	155	180
Unit 6	6.02	70.89	254	248	250
Unit 7	4.83	48.29	263	123	
	24.38	272.39			834
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	4.27	50.99	188	154	180
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
	4.27	50.99			180
Paras					
Unit 2	0.79	10.97	46	0	44
Unit 3	5.56	47.70	240	223	220
Unit 4	4.93	47.52	232	156	
	11.28	106.19			264
Khaparkheda					
Unit 1	4.84	54.34	215	160	210
Unit 2	4.21	51.16	188	139	180
Unit 3	4.31	53.37	195	168	190
Unit 4	4.50	47.73	194	161	190
	17.85	206.60			770
Nasik					
Unit 1	2.22	26.47	97	64	100
Unit 2	2.03	25.17	97	65	95
Unit 3	4.48	56.45	195	175	200
Unit 4	4.38	53.70	193	172	190
Unit 5	4.53	55.06	197	167	200
	17.64	216.86			785
Koyna					
Stage 1-2	9.76	63.50	580	90	600
Stage 4	24.18	144.11	1117	579	250
Stage 3	7.35	44.60	320	238	320
	41.29	252.21			1170
Kovna 12&4 Total	33.93	207.61			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	16.63	195.91	713	671	670	
	16.63	195.91			670	
Hydro						
KDPH	0.57	3.93	35	17	34	
VTRNA	0.00	3.04	0	0	60	
TILLARI	0.38	4.05	60	0	60	
BHTGR/VEER	0.47	4.66	20	19	20	
BHIRA T.R.	0.10	1.37	41	0	80	
RNGR+BHTSA	0.26	3.15	11	11	12	
BHANDARDRA	0.69	4.26	29	28	20	
ELDARY	0.00	0.00	0	0	0	
SMLHY PTN	0.57	6.74	31	21	18	
GHATGHAR	0.30	2.93	125	0	0	
	3.34	34.14			304	
PENCH (MS)						
Pench (MS)	0.38	2.42	25	0		
	0.38	2.42				
Wind						
MalharPeth	0.23	2.21				
Vankuswadi	0.56	5.27				
ATIT	0.09	1.80				
Kale	0.28	2.31				
Satara	0.77	3.72				
Shirala	0.20	2.20				
K Mahankal	0.02	1.72				
Supa	0.21	2.14				
Vita	0.65	8.31				
Dondaicha	3.71	43.92				
Sakri	0.48	6.66				
Nandurbar	0.46	5.62				
Khadakale	0.66	7.19				
Khaparale	0.40	4.71				
	8.71	97.76				
CPP						
TOTAL CPP	4.09	47.98				
	4.09	47.98				
Dabhol						
RGPPL	22.45	378.79	942	924	1500	
	22.45	378.79			1500	
Tata						
Trombay 4	2.57	17.79	112	101	100	
Trombay 5	9.88	117.31	415	410	420	
Trombay 6	10.82	129.68	510	235	500	
Trombay 7A	2.79	33.46	118	115	120	
Trombay 7B	1.55	18.83	65	64	60	
Trombay 8	6.02	72.28	252	250	250	
TATA Hydro	3.12	35.22	386	0	447	
	36.74	424.58			1897	
REL						
1&2	12.48	149.41	523	517	500	
	12.48	149.41			500	
Cent Sect						
Share					3316	
					3316	
MS PG CL	Thermal	99.04	1113.59		3803	
	Thml+Gas	115.68	1309.50		4473	
	Hydro	44.63	286.35		1474	
	Total	160.31	1595.85		5947	
State Total		245.16	2696.79		13160	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/May/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	4179	2033	699	6911	940	406	161	3002	3190	-300	-278	11330	2048	13378	2345	15723	49.37
2	4151	1703	701	6555	940	430	162	2898	2937	-210	-175	10849	2367	13216	2184	15400	49.34
3	4146	1849	706	6701	940	370	160	2851	2831	-165	-127	10875	2022	12897	2041	14938	49.44
4	4162	2120	710	6992	942	448	161	2852	2903	-165	-125	11321	1932	13253	1929	15182	49.55
5	4092	2067	708	6867	941	439	161	2854	3112	-165	-116	11404	1966	13370	1868	15238	49.42
6	4114	2051	711	6876	942	455	162	2854	3084	-165	-136	11383	2451	13834	1870	15704	49.39
7	4092	1359	712	6163	940	449	161	3038	2846	-202	-108	10475	3722	14197	1813	16010	49.45
8	4063	1031	713	5807	939	410	167	3042	3164	-202	-137	10375	3975	14350	1847	16197	49.64
9	4097	1444	702	6243	938	249	165	3206	3136	-336	-315	10441	4254	14695	2161	16856	49.53
10	4053	1863	697	6613	935	247	166	3331	3338	-468	-445	10879	4301	15180	2504	17684	49.54
11	4019	2010	680	6709	932	359	168	3558	3683	-716	-684	11191	4221	15412	2806	18218	49.50
12	4040	2117	674	6831	924	260	148	3545	3840	-704	-678	11349	4307	15656	2918	18574	49.46
13	4071	1934	676	6681	929	237	181	3593	4058	-777	-749	11361	4612	15973	2944	18917	49.60
14	4118	1931	671	6720	925	206	198	3643	4137	-777	-750	11460	4153	15613	2881	18494	49.46
15	4127	1938	675	6740	927	221	194	3563	3845	-740	-711	11240	4492	15732	2957	18689	49.54
16	4097	1840	677	6614	930	278	198	3474	3534	-633	-603	10975	4808	15783	2969	18752	49.56
17	4102	2069	679	6850	928	313	197	3540	4008	-677	-650	11667	4412	16079	2924	19003	49.56
18	4066	1924	685	6675	932	360	201	3568	4049	-635	-611	11606	4330	15936	2828	18764	49.60
19	4127	1514	690	6331	937	432	166	3522	3706	-522	-489	11083	4487	15570	2624	18194	49.69
20	4273	1745	692	6710	937	473	166	3521	4034	-425	-389	11955	4530	16485	2640	19125	49.62
21	4293	2124	694	7111	938	549	168	3483	3805	-425	-369	12226	3979	16205	2556	18761	49.64
22	4194	2016	696	6906	939	465	162	3485	4099	-425	-367	12228	3617	15845	2465	18310	49.64
23	4234	1921	694	6849	937	348	158	3412	4073	-425	-366	12023	3286	15309	2439	17748	49.49
24	4134	2029	690	6853	940	305	159	3296	3617	-385	-326	11572	3202	14774	2411	17185	49.34
MUs	99.04	44.63	16.63	160.31	22.45	8.71	4.09	79.13	85.03	-10.65	-9.70	271.27	87.47	358.74	58.92	417.67	49.52

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 12/May/2010

Position as on 6.30 Hrs of 13/May/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect KARPR1	220	01/07/2008	00:10		Continued.	COH(En-Mass Coolant Clanel Replacement)	30/12/2010
Chandrapur Unit 6	500	01/04/2010	01.15		Continued.	Annual Overhaul	16/06/2010
Cent_Sect NTPC(K-1)	210	01/04/2010	23.52	12/05/2010	15:48	Annual Overhaul.	
Chandrapur Unit 1	210	08/04/2010	08.36		Continued.	Annual Overhaul	30/05/2010
Dabhol 2B	230	15/04/2010	01.40		Continued.	Control System modification work	15/06/2010
Chandrapur Unit 5	500	16/04/2010	15.49		Continued.	Water Balancing Problem.	15/06/2010
Chandrapur Unit 2	210	18/04/2010	21.38		Continued.	Clinker Formation.	30/05/2010
Chandrapur Unit 7	500	25/04/2010	00.23		Continued.	Water Balancing Problem.	30/06/2010
Cent_Sect NTPC (V-1)	210	25/04/2010	23.30		Continued.	Annual Overhaul.	20/05/2010
Chandrapur Unit 4	210	28/04/2010	22.53		Continued.	Water Balancing problem	15/06/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Koradi Unit 4	115	01/05/2010	00.23		Continued.	Commutator problem.	19/05/2010
Cent_Sect TARAPUR-3	540	02/05/2010	20:55	12/05/2010	07:47	Cooling water pump problem.	
Cent_Sect NTPC(K-4)	500	09/05/2010	07.00		Continued.	Boiler Tube Leakage.	20/05/2010
Paras Unit 2	55	10/05/2010	21.35	12/05/2010	03:30	Station Supply Fail.	
Dabhol 1A	230	11/05/2010	12.30	12/05/2010	22:53	Electrical fault.	
Dabhol 1B	230	11/05/2010	12.30		Continued.	Electrical fault.	
Dabhol 1X	290	11/05/2010	12.30	13/05/2010	02.35	Electrical fault.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/May/2010

Position as on 6.30 Hrs of 13/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	09/04/2010	13.00		Continued.	To control Aurangabad ICT loading.
Wardha - Akola - II	29/04/2010	11.37		Continued.	Due to line loading.
Dhule-Sar'Sarovar - II	09/05/2010	08.46		Continued.	For Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur - Mapusa - II	11/05/2010	04.33	12/05/2010	07.10	Tripped on without indication.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Lonikand- Koyna Stage IV	20/04/2010	21.59		Continued.	29B Isolator Replacement,Hot Spot Work, Line on TBC.
400/220 KV, 315 MVA ICT II JEJURI	05/05/2010	09.00		Continued.	Own breaker problem.Taken on tie breaker.
Kolhapur-Karad -I	12/05/2010	09.12	12/05/2010	17.43	Replacement of faulty disc insulator.
Main Bus - I @ Lamboti.	12/05/2010	09.55	12/05/2010	16.38	Measurement of IPS tube for CVT and BPI for ICT-II work.
Parli 400 KV TBC	12/05/2010	10.25	12/05/2010	12.15	Replacement of IPS tube clamp.
400/220 KV,600 MVA ICT-II at Kalwa	12/05/2010	13.51	12/05/2010	17.00	Taken on TBC.Testing work of breaker.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	ICT replacement work.
220/132 KV,100 MVA T/F-II @ Malegaon	08/04/2010	08.55		Continued.	ICT tobe replaced with new 200MVA ICT
BBLSR-Waluj	07/05/2010	06.41		Continued.	Restranging of Earthwire.
220/132 KV 200 MVA ICT at Ambazari	12/05/2010	06.33	12/05/2010	08.54	Q.M.Work.
Pusad -Parbhani	12/05/2010	07.34	12/05/2010	17.13	E/W Replacement work.
220 KV TBC At Bhusawal II	12/05/2010	07.50	12/05/2010	11.45	R.M.Work.
Mudshini - Talangade - II	12/05/2010	08.08	12/05/2010	19.40	Replacement of CR pannel.
220/132 KV,100 MVA ICT-II at Kanhan	12/05/2010	09.31	12/05/2010	17.23	Q.M.Work.
TBC AT BBLSR	12/05/2010	14.00	12/05/2010	17.30	R.M.Work.
220/132 kv,80 MVA ICT at Hinganghat	12/05/2010	15.10	12/05/2010	16.02	To attend oil leakage.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bale 132 KV Main Bus.	12/05/2010	10.25	12/05/2010	16.42	Testing of bus bar protection relay.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Lonikand - Bhosari	11/05/2010	12.03		Continued.	Own breaker O/H work.Line on TBC.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5/6.6 KV 70 MVA Stn.T/F 5B at 400KV Khaparkheda	25/04/2010	03.59		Continued.	B-Ph,HV bushing burst and caught fire.
Voltage Level : 220KV			Outage Type TRIPPED		
Chalisgaon - Malegaon	12/05/2010	14.30	12/05/2010	16.12	Distance protection.
Khaperkheda - Wardha.	12/05/2010	16.07	12/05/2010	16.40	Distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
132/3.3 KV 6 MVA Stn T/F @ Paras	15/03/2010	16.16		Continued.	B Ph CT Burst.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/May/2010

Position as on 6.30 Hrs of 13/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
132 KV Capaciter Bank @ Nanded	24/04/2010	21.45		Continued.	Capaciter Bank Breaker Burst.
Kardha-Sakoli	07/05/2010	17.40		Continued.	Y phase Breaker Pole Burst at Kardha
Chalisgaon - Manmad - I	12/05/2010	12.45	12/05/2010	13.00	Distance protection.
132 KV Latur(koyna)-Latur MIDC Ckt.	12/05/2010	16.25	12/05/2010	17.55	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/May/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	78
Unit 3	105	75
Unit 4	105	0
Unit 5	200	135
Unit 6	210	130
Unit 7	210	140
	1040	638
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	195
	478	440
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	180
Unit 4	210	180
Unit 5	210	180
Unit 6	250	250
Unit 7	250	
	1190	834
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	100
Unit 4	210	0
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	100
Paras		
Unit 2	55	46
Unit 3	250	240
Unit 4	250	
	555	286
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
	840	770
Nasik		
Unit 1	120	100
Unit 2	120	90
Unit 3	210	200
Unit 4	210	190
Unit 5	210	200
	870	780
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	670

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	670
Hydro		
KDPH	40	34
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	20
BHIRA T.R.	80	40
RNGR+BHTSA	20	12
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	194
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	
Khadakale	0	
Khaparale	0	
	0	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1500
	960	1500
Tata		
Trombay 4	150	110
Trombay 5	500	415
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1902
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3202
	3143	3202

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