



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Apr/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Apr/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.041	1871.527	1) Madhya Pradesh	50.932	876.661
2) Hydro	23.852	327.528	2) Gujrat	23.047	330.816
3) Gas	15.151	217.129	3) Goa	-5.918	-93.381
Total MSGENCO	164.044	2416.184	4) TAPS 1&2 (Inj.)	7.146	108.034
B) OTHERS			5) Pench (Excess)	-0.353	-2.447
1) RGPPL Gas	7.033	150.374	# Total Cent. Sector	74.854	1219.683
2) Wind Generation	11.115	72.382	F) Other Exchanges		
3) PENCH (MS)	0.353	2.719	1) With TPCL	-3.632	-71.869
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	34.278	469.961	1) MSEDCL Bilateral	7.621	117.840
2) TPCL Hydro	3.725	58.734	Include PX	0.000	12.958
TOTAL TPCL	38.003	528.695	2) MUMBAI Bilateral	4.930	88.883
3) REL Thermal	12.645	189.973	Include PX	0.323	17.449
D) STATE			3) MUMBAI Schedule	4.930	90.283
1) Thermal (A1+C1+C3)	171.964	2531.461	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	27.930	388.981	1) MSEDCL	253.767	3792.024
3) Gas (A3+B1)	22.184	367.503	2) TPCL	36.530	524.564
4) Wind (B2)	11.115	72.382	3) REL	17.750	265.953
TOTAL STATE	233.193	3360.327	TOTAL STATE	308.047	4582.541

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5299	5476	5263
MSGENCO Hydro	786	1216	348
MSGENCO Gas	638	644	646
MSGENCO Total Generation	6723	7336	6257
Central Sector Receipt	3360	3283	2698
RGPPL	295	293	294
WIND	305	587	643
Exchange with TPCL	-350	-165	135
MSEDCL DEMAND MET	10333	11381	10027
Load Shedding	3873	3407	1520
MSEDCL DEMAND (INCL. LS)	14206	14788	11547
TPCL GENERATION	1520	1835	1385
REL GENERATION	525	523	529
TPCL+REL DEMAND	2395	2523	1779
STATE DEMAND MET	12728	13904	11806
STATE DEMAND (INCL. LS)	16601	17311	13326
Frequency (Hz)	49.32	49.31	49.23
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4466 Mw at 13.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			75.06 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.87 Hz at 06.06 Hrs	48.71 Hz at 00.17 Hrs	49.25	13.82 % 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 15/Apr/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.51	24.49	82	37	70
Unit 2	1.44	13.84	82	42	50
Unit 3	0.00	23.29	0	0	0
Unit 4	0.69	12.07	72	0	50
Unit 5	4.10	55.11	184	161	150
Unit 6	3.87	56.08	182	132	150
Unit 7	3.64	55.30	179	136	140
	15.26	240.18			610
Bhusawal					
Unit 1	1.23	10.40	59	41	50
Unit 2	4.17	62.87	189	162	180
Unit 3	4.21	63.70	187	167	175
	9.61	136.97			405
Parli					
Unit 1	0.56	8.41	24	22	20
Unit 2	0.59	8.91	25	23	20
Unit 3	2.85	48.92	134	80	110
Unit 4	3.52	52.09	155	136	140
Unit 5	2.82	51.25	128	90	120
Unit 6	5.28	80.04	235	198	220
	15.62	249.61			630
Chandrapur					
Unit 1	3.99	60.49	176	148	170
Unit 2	4.01	60.59	172	158	165
Unit 3	4.47	68.65	201	173	180
Unit 4	4.70	68.91	209	153	200
Unit 5	9.54	142.30	429	342	400
Unit 6	7.67	136.98	404	0	400
Unit 7	9.11	137.01	454	335	400
	43.48	674.92			1915
Paras					
Unit 2	1.15	14.00	50	44	45
Unit 3	4.80	63.45	240	0	240
	5.94	77.44			285
Khaparkheda					
Unit 1	4.48	68.97	204	176	180
Unit 2	4.42	67.34	195	165	180
Unit 3	4.48	53.02	200	182	180
Unit 4	4.46	69.26	206	172	180
	17.82	258.59			720
Nasik					
Unit 1	1.72	15.89	82	58	90
Unit 2	2.21	25.35	98	82	90
Unit 3	4.58	67.62	204	175	190
Unit 4	4.49	66.90	203	173	180
Unit 5	4.31	58.06	187	171	190
	17.31	233.81			740
Uran					
All Units	15.15	217.13	658	514	600
	15.15	217.13			600
Koyna					
Stage 1-2	4.46	61.14	485	45	600
Stage 4	13.07	170.93	1136	0	250
Koyna 12&4 Total	17.53	232.07			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	3.74	48.71	316	8	320
	21.27	280.78			1170
Hydro					
KDPH	0.00	5.80	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.38	5.89	60	0	60
BHTGR/VEER	0.94	11.14	39	39	39
BHIRA T.R.	0.21	3.19	82	0	80
RNGR+BHTSA	0.32	5.03	14	13	13
BHANDARDRA	0.74	9.63	31	31	31
ELDARY	0.00	0.30	0	0	0
PAITHAN	0.00	0.55	0	0	0
GHATGHAR	0.00	5.23	0	0	0
	2.59	46.75			223
PENCH (MS)					
Pench (MS)	0.35	2.72	49	0	
	0.35	2.72			
Wind					
MalharPeth	0.33	3.45			
Vankuswadi	1.43	8.49			
ATIT	0.22	1.51			
Kale	0.07	2.25			
Satara	0.38	3.40			
Shirala	0.38	3.10			
K Mahankal	0.03	1.47			
Supa	0.28	2.72			
Vita	1.07	10.70			
Dondaicha	4.53	20.02			
Sakri	0.60	3.70			
Nandurbar	0.68	2.69			
Khadakale	0.71	6.64			
Khaparale	0.40	2.24			
	11.12	72.38			
Dabhol					
RGPP L II	7.03	150.37	295	291	300
RGPP L III		0.00	0	0	
	7.03	150.37			300
Tata					
Trombay 4	0.00	6.65	0	0	0
Trombay 5	12.12	176.06	505	505	500
Trombay 6	11.72	171.14	510	400	500
Trombay 7A	2.81	37.64	125	90	120
Trombay 7B	1.60	22.70	69	56	60
Trombay 8	6.02	55.78	254	247	250
TATA Hydro	3.72	58.73	374	0	447
	38.00	528.70			1877
REL					
1&2	12.64	189.97	532	523	500
	12.64	189.97			500
Cent Sect					
Share					3201
					3201

MS PG CL	Thermal	125.04	1871.53		5305
	Thml+Gas	140.19	2088.66		5905
	Hydro	23.85	327.53		1393
	Total	164.04	2416.18		7298
State Total		233.19	3360.33		13176

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/Apr/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	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	5259	526	643	6428	294	621	2999	2826	-164	-107	10062	1556	11618	2067	13685	48.98
2	5246	388	647	6281	294	643	2865	2709	-28	30	9957	1559	11516	1918	13434	49.06
3	5263	348	646	6257	294	643	2760	2698	77	135	10027	1520	11547	1779	13326	49.23
4	5206	730	650	6586	294	635	2656	2631	183	240	10386	1502	11888	1654	13542	49.00
5	5177	853	652	6682	294	629	2654	2553	183	241	10399	1721	12120	1651	13771	49.02
6	5260	873	658	6791	293	582	2708	2638	130	186	10490	2251	12741	1689	14430	49.13
7	5271	491	655	6417	293	500	2713	2713	130	184	10107	3438	13545	1730	15275	49.43
8	5332	510	654	6496	293	373	2758	2688	87	147	9997	3906	13903	1807	15710	49.38
9	5322	274	649	6245	294	332	2830	2963	11	68	9902	4133	14035	2028	16063	49.43
10	5299	786	638	6723	295	305	3250	3360	-400	-350	10333	3873	14206	2395	16601	49.32
11	4918	1560	626	7104	293	221	3283	3329	-400	-349	10598	3368	13966	2589	16555	49.25
12	4865	1899	624	7388	291	181	3352	3635	-475	-427	11068	3348	14416	2760	17176	49.35
13	5034	1999	618	7651	292	156	3362	3416	-480	-438	11077	3365	14442	2735	17177	49.31
14	5162	1581	625	7368	293	196	3357	3464	-480	-438	10883	3377	14260	2661	16921	49.33
15	5127	1437	620	7184	293	280	3351	3350	-480	-440	10667	3324	13991	2690	16681	49.14
16	5207	1075	624	6906	292	426	3389	3369	-480	-433	10609	3500	14109	2724	16833	49.22
17	5237	755	630	6622	293	514	3402	3267	-480	-435	10309	3917	14226	2705	16931	49.31
18	5268	503	637	6408	292	539	3281	3306	-365	-316	10254	3722	13976	2565	16541	49.37
19	5335	671	643	6649	293	665	3194	3365	-264	-202	10794	3276	14070	2451	16521	49.42
20	5476	1216	644	7336	293	587	3225	3283	-224	-165	11381	3407	14788	2523	17311	49.31
21	5444	1125	643	7212	294	600	3237	3266	-221	-158	11261	3129	14390	2440	16830	49.18
22	5170	1359	648	7177	292	497	3238	3394	-217	-155	11252	2839	14091	2331	16422	49.33
23	5052	1533	566	7151	292	480	3285	3371	-288	-224	11111	2471	13582	2220	15802	49.29
24	5006	1358	514	6878	292	507	3226	3246	-289	-226	10722	2140	12862	2172	15034	49.31
MUs	124.94	23.85	15.15	163.94	7.03	11.11	74.38	74.84	-4.93	-3.63	253.65	70.64	324.29	54.28	378.57	49.25

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 15/Apr/2009

Position as on 6.30 Hrs of 16/Apr/2009

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)	31/03/2010
Cent_Sect NTPC (V-1)	210	08/04/2009	21.13		Continued.	Annual Overhaul	28/04/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	01/07/2009
Uran Unit 4	60	01/04/2008	00:00		Continued.	Gas Restriction	
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 3	60	23/10/2008	06.40		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	01/06/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	
Dabhol 1X	290	16/03/2009	17.01		Continued.	No insurance.	
Dabhol 1A	230	16/03/2009	17.05		Continued.	No insurance.	
Cent_Sect sipat-5	500	03/04/2009	23.46		Continued.	Bearing Vibration Problem.	18/04/2009
Dabhol 2X	290	05/04/2009	22:26		Continued.	Combulsion Inspection.	20/04/2009
Tata Trombay 4	150	09/04/2009	02.10		Continued.	W/dn	
Koyna Unit 8	80	14/04/2009	18.25	15/04/2009	01.20	Excitation Problem.	
Koradi Unit 3	105	14/04/2009	22.07		Continued.	Wind Box& Boiler House Casing Leakages.	17/04/2009
Chandrapur Unit 6	500	15/04/2009	09.52	15/04/2009	12.19	Tripped on Flame failure	
Koradi Unit 4	115	15/04/2009	13.47	16/04/2009	05.37	Coal Bunkering problem.	
Koyna ST-IV 1	250	15/04/2009	15.05	15/04/2009	22:00	D/C E/F.	
Paras Unit 3	250	15/04/2009	21.15		Continued.	Economiser T/L.	18/04/2009
Uran Unit 8	108	16/04/2009	00.19	16/04/2009	17.07	Gas Restriction	
Nasik Unit 1	125	16/04/2009	16.45	16/04/2009	18.40	Boiler Feed Pump Problem	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Apr/2009

Position as on 6.30 Hrs of 16/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar II	12/04/2009	02.36		Continued.	H/T FOR O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Single Ph.105 MVA Spare ICT-II at Karad	02/03/2009	10:45		Continued.	Repl. of existing single phase ICT of 400KV ICT-I, B Ph. by Spare ICT-II
400 KV TBC at Bhusawal	05/04/2009	22.30		Continued.	Y Pole Oil Leakage.
Koradi - Akola	15/04/2009	08.52	15/04/2009	15.43	Taken on TBC for replacement of pressure switch of breaker.(koradi end).
400/220kv Kharghar Spare ICT	15/04/2009	10.15	15/04/2009	18.21	R.M. Work
400 KV N'koyana-Bus Coupler	15/04/2009	11.08	15/04/2009	11.28	SF6 Gas filling.
Karad-Kolhapur CKT I	15/04/2009	14.27	15/04/2009	17.18	Testing Work
400/220 KV,315 MVA ICT-II at Lonikand	16/04/2009	07.22	16/04/2009	19.05	CTR Fire Prot.work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Wardha-K'Kheda	13/04/2009	10:36		Continued.	Relay Retrofitting Work.
Padgha-Kalwa-II	15/04/2009	09.47	15/04/2009	17.15	Bay Maint.works
100MVA,220/132kv, ICT at Bale	15/04/2009	10.05		Continued.	HV side CB air leakage.
LAMBOTI-PANDHARPUR	15/04/2009	11.07	15/04/2009	18.08	Scada work and breaker maint.
Kandalgaon-Bhira	15/04/2009	11.50	15/04/2009	17.22	Line Maint.work.
220/132KV, 100MVA ICT-I at Padegaon	16/04/2009	09.45	16/04/2009	16.55	CT replacement.
Jejuri-Phursungi	16/04/2009	10.00	16/04/2009	14.30	CB work,Line on TBC
Theur-Phursungi-I	16/04/2009	10.30		Continued.	Relay Retrofitting Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Madgi-Kawlewada-II	10/02/2009	16.20		Continued.	C.B. replacement work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
600 MVA ICT I AT KALWA	15/04/2009	16.31		Continued.	Buchholz Alarm.
Voltage Level : 220KV			Outage Type TRIPPED		
K'gaon-Lonand	14/04/2009	13.10	15/04/2009	10.31	Tripped on Dist.Prot.
Khaparkheda-Kawlewada-II	14/04/2009	21.57		Continued.	Tripped on Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Bhoom-Kherda	14/04/2009	14.04	15/04/2009	14.05	Tripped on Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Apr/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	75
Unit 3	105	0
Unit 4	105	0
Unit 5	200	150
Unit 6	210	150
Unit 7	210	150
	1040	600
Bhusawal		
Unit 1	58	50
Unit 2	210	170
Unit 3	210	180
	478	400
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	120
Unit 4	210	125
Unit 5	210	110
Unit 6	250	200
	940	595
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	200
Unit 4	210	200
Unit 5	500	400
Unit 6	500	400
Unit 7	500	400
	2340	1940
Paras		
Unit 2	55	45
Unit 3	250	0
	305	45
Khaparkheda		
Unit 1	210	175
Unit 2	210	175
Unit 3	210	175
Unit 4	210	175
	840	700
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	190
Unit 4	210	180
Unit 5	210	190
	870	740
Uran		
All Units	852	450
	852	450
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	39
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	31
ELDARY	23	0
PAITHAN	12	11
GHATGHAR	250	0
	611	234
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	
Dabhol		
RGPPPL II	740	300
RGPPPL III	740	
	1480	300
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	444
	2024	1874
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3116
	3143	3116

	17396	12664
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