Maharashtra State Electricity Transmission Company Ltd.

State Load Dispatch Center, Airoli

Daily system Report

for

17/Apr/2009

State Load Dispatch Center,Airoli (MSETCL)
Daily system Report for 17/Apr/2009 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	**Daily**	**Monthly**	**E) Central Sector**	**Daily**	**Monthly**
1) Thermal	120.559	2113.508	1) Madhya Pradesh	52.400	978.517
2) Hydro	25.276	379.375	2) Gujrat	18.393	372.363
3) Gas	13.226	241.982	3) Goa	-5.828	-104.933
Total MSGENCO	**159.061**	**2734.865**	4)TAPS 1&2 (Inj.)	7.150	122.321
B) OTHERS			5)Pench (Excess)	-0.209	-2.939
1) RGPPL Gas	10.182	168.291	**# Total Cent. Sector**	**71.906**	**1365.329**
2) Wind Generation	6.525	88.941	**F) Other Exchanges**		
3) PENCH (MS)	0.209	3.211	1) With TPCL	-3.108	-78.431
C) TPCL & REL			**G) Bilateral Power ***		
1) TPCL Thermal	32.848	536.045	1) MSEDCL Bilateral	7.262	132.683
2) TPCL Hydro	5.480	68.473	Include PX	0.033	12.991
TOTAL TPCL	**38.328**	**604.518**	2) MUMBAI Bilateral	3.666	97.370
3) REL Thermal	12.632	215.188	Include PX	-1.242	16.290
D) STATE			3) MUMBAI Schedule	3.816	98.920
1) Thermal (A1+C1+C3)	166.039	2864.741	**H) ENERGY CATERED (MUs)**		
2) Hydro (A2+B3+C2)	30.965	451.059	1) MSEDCL	244.775	4285.249
3) Gas (A3+B1)	23.408	410.273	2) TPCL	36.575	597.400
4) Wind (B2)	6.525	88.941	3) REL	17.491	300.712
TOTAL STATE	**226.937**	**3815.014**	**TOTAL STATE**	**298.841**	**5183.361**

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	5306	5116	4624
MSGENCO Hydro	451	1530	916
MSGENCO Gas	644	481	640
MSGENCO Total Generation	**6401**	**7127**	**6180**
Central Sector Receipt	3200	3207	2624
RGPPL	332	609	324
WIND	229	218	471
Exchange with TPCL	-315	-181	30
MSEDCL DEMAND MET	9847	11026	9629
Load Shedding	4373	3916	1690
MSEDCL DEMAND (INCL. LS)	**14220**	**14942**	**11319**
TPCL GENERATION	1605	1842	1314
REL GENERATION	528	524	526
TPCL+REL DEMAND	**2448**	**2547**	**1810**
STATE DEMAND MET	**12295**	**13573**	**11439**
STATE DEMAND (INCL. LS)	**16668**	**17489**	**13129**
Frequency (Hz)	49.48	49.37	49.06
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			**4306 MW At 09.00 HRs**
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			**86.73 MUs**

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.11 Hz at 06.03 Hrs	**48.76 Hz at 04.43 Hrs**	**49.38**	**9.51 % of Time**

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer **Shift Incharge**

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 17/Apr/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.66	27.82	74	43	60
Unit 2	1.80	17.36	82	49	50
Unit 3	0.00	23.29	0	0	0
Unit 4	1.68	14.98	80	52	60
Unit 5	4.10	63.20	186	145	150
Unit 6	4.15	64.14	194	144	150
Unit 7	4.05	63.00	194	140	150
	17.44	**273.79**			**620**
Bhusawal					
Unit 1	1.29	12.96	55	48	50
Unit 2	4.18	71.07	186	164	180
Unit 3	4.12	72.01	182	162	175
	9.59	**156.04**			**405**
Parli					
Unit 1	0.55	9.50	24	22	20
Unit 2	0.54	10.00	25	20	20
Unit 3	3.19	54.51	147	110	130
Unit 4	3.48	59.07	152	141	130
Unit 5	3.23	56.93	156	115	130
Unit 6	5.17	90.65	224	198	220
	16.17	**280.66**			**650**
Chandrapur					
Unit 1	3.77	68.34	176	133	170
Unit 2	3.70	68.36	174	110	170
Unit 3	4.76	78.26	209	187	210
Unit 4	4.79	78.44	210	184	200
Unit 5	7.64	158.87	400	242	400
Unit 6	8.11	154.25	410	275	400
Unit 7	8.05	154.48	420	240	400
	40.82	**760.99**			**1950**
Paras					
Unit 2	1.14	16.26	50	44	45
Unit 3	0.00	63.45	0	0	0
	1.14	**79.71**			**45**
Khaparkheda					
Unit 1	4.33	77.56	204	168	175
Unit 2	4.30	75.87	192	170	175
Unit 3	4.44	61.79	202	180	175
Unit 4	4.40	78.03	205	172	175
	17.47	**293.25**			**700**
Nasik					
Unit 1	2.24	20.18	102	80	90
Unit 2	2.23	29.82	100	84	90
Unit 3	4.60	76.59	211	180	190
Unit 4	4.45	75.70	196	176	180
Unit 5	4.40	66.78	194	175	190
	17.93	**269.07**			**740**
Uran					
All Units	13.23	241.98	664	456	600
	13.23	**241.98**			**600**
Koyna					
Stage 1-2	2.27	66.41	315	40	600
Stage 4	14.44	201.96	1059	0	250
Koyna 12&4 Total	**16.71**	**268.37**			**850**

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	4.18	56.68	312	78	320
	20.88	**325.05**			**1170**
Hydro					
KDPH	0.91	7.33	39	38	36
VTRNA	0.55	0.55	60	0	0
TILLARI	0.41	6.72	61	0	60
BHTGR/VEER	0.96	13.04	40	40	39
BHIRA T.R.	0.30	3.69	84	0	80
RNGR+BHTSA	0.35	5.66	16	13	11
BHANDARDRA	0.67	10.97	28	28	28
ELDARY	0.00	0.30	0	0	0
PAITHAN	0.06	0.66	12	0	0
GHATGHAR	0.17	5.40	125	0	0
	4.39	**54.33**			**254**
PENCH (MS)					
Pench (MS)	0.21	3.21	47	0	
	0.21	**3.21**			
Wind					
MalharPeth	0.18	3.84			
Vankuswadi	0.34	9.37			
ATIT	0.07	1.70			
Kale	0.12	2.42			
Satara	0.14	3.77			
Shirala	0.12	3.49			
K Mahankal	0.04	1.55			
Supa	0.31	3.69			
Vita	1.00	12.98			
Dondaicha	2.46	26.77			
Sakri	0.41	4.78			
Nandurbar	0.48	3.69			
Khadakale	0.69	8.16			
Khaparale	0.17	2.74			
	6.52	**88.94**			
Dabhol					
RGPPL II	10.18	168.29	631	324	290
RGPPL III		0.00	0	0	
	10.18	**168.29**			**290**
Tata					
Trombay 4	0.00	6.65	0	0	0
Trombay 5	12.12	200.24	505	505	500
Trombay 6	12.23	195.10	510	500	500
Trombay 7A	2.35	42.15	124	89	120
Trombay 7B	1.46	25.55	69	57	60
Trombay 8	4.69	66.35	257	98	250
TATA Hydro	5.48	68.47	464	0	447
	38.33	**604.52**			**1877**
REL					
1&2	12.63	215.19	529	522	500
	12.63	**215.19**			**500**
Cent Sect					
Share					3240
					3240

MS PG CL	**Thermal**	**120.56**	**2113.51**			**5110**
	Thml+Gas	**133.78**	**2355.49**			**5710**
	Hydro	**25.28**	**379.38**			**1424**
	Total	**159.06**	**2734.86**			**7134**
State Total		**226.94**	**3815.01**			**13041**

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/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	4688	1232	641	6561	324	457	2879	2720	-65	-54	10008	1684	11692	1952	13644	49.15
2	4624	916	640	6180	324	471	2800	2624	15	30	9629	1690	11319	1810	13129	49.06
3	4700	1135	643	6478	339	469	2701	2474	114	126	9886	1685	11571	1690	13261	49.11
4	4765	947	642	6354	339	452	2573	2481	242	256	9882	1691	11573	1607	13180	49.06
5	4772	1267	639	6678	338	447	2549	2585	225	237	10285	1799	12084	1609	13693	48.93
6	4905	1479	646	7030	337	516	2516	2582	271	282	10747	2413	13160	1641	14801	49.20
7	5115	585	653	6353	335	287	2596	2566	207	241	9782	4102	13884	1709	15593	49.61
8	5152	397	664	6213	333	257	2620	2582	213	252	9637	4443	14080	1745	15825	49.72
9	5208	448	664	6320	333	272	2778	2821	21	48	9794	4504	14298	2054	16352	49.63
10	5306	451	644	6401	332	229	3145	3200	-333	-315	9847	4373	14220	2448	16668	49.48
11	5269	629	639	6537	339	221	3223	3178	-405	-402	9873	3872	13745	2624	16369	49.38
12	5268	1016	498	6782	357	197	3221	3302	-408	-390	10248	3729	13977	2723	16700	49.44
13	5196	1220	456	6872	349	141	3232	3250	-408	-400	10212	3707	13919	2768	16687	49.57
14	5210	1095	461	6766	356	109	3293	3300	-408	-390	10141	3715	13856	2660	16516	49.54
15	5219	1160	457	6836	377	129	3306	3214	-470	-425	10131	3650	13781	2687	16468	49.43
16	5101	1163	457	6721	383	135	3306	3270	-529	-496	10037	3887	13924	2779	16703	49.42
17	4936	843	462	6241	509	194	3305	3183	-529	-498	9653	4359	14012	2752	16764	49.47
18	4960	851	469	6280	549	189	3183	3173	-293	-259	9956	4075	14031	2604	16635	49.48
19	5071	1071	471	6613	600	193	3180	3238	-265	-225	10453	3482	13935	2505	16440	49.46
20	5116	1530	481	7127	609	218	3247	3207	-221	-181	11026	3916	14942	2547	17489	49.37
21	5117	1393	474	6984	624	261	3285	3237	-221	-161	10992	3686	14678	2448	17126	49.41
22	5028	1338	476	6842	631	269	3286	3361	-220	-155	10958	3444	14402	2311	16713	49.50
23	4939	1614	473	7026	570	272	3215	3250	-175	-115	11003	2626	13629	2207	15836	49.31
24	4894	1496	476	6866	595	278	3133	3108	-176	-114	10733	2295	13028	2188	15216	49.32
MUs	**120.56**	**25.28**	**13.23**	**159.06**	**10.18**	**6.66**	**72.57**	**71.91**	**-3.82**	**-3.11**	**244.91**	**78.83**	**323.74**	**54.07**	**377.81**	**49.38**

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 17/Apr/2009

Position as on 6.30 Hrs of 18/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 CIanel 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.	20/04/2009
Dabhol 2X	290	05/04/2009	22:26	17/04/2009	10.31	Combulsion Inspection.	
Dabhol 2B	230	06/04/2009	00:25	17/04/2009	01.59	Combulsion Inspection.	
Tata Trombay 4	150	09/04/2009	02.10		Continued.	W/dn	
Koradi Unit 3	105	14/04/2009	22.07		Continued.	Wind Box& Boiler House Casing Leakages.	19/04/2009
Paras Unit 3	250	15/04/2009	21.15	18/04/2009	05.05	Economiser T/L.	
Cent_Sect NTPC(V-2)	210	17/04/2009	03.58	17/04/2009	12.20	Tripped,Electrical fault.	
Uran Unit 7	108	17/04/2009	11.24		Continued.	Gas Restriction	
Tata Trombay 8	250	18/04/2009	01.51		Continued.	Boiler Tube Leakage	21/04/2009

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Apr/2009

Position as on 6.30 Hrs of 18/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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 : 500KV				**Outage Type**	PLANNED OUTAGE
HVDC Pole I Padgha	17/04/2009	22.21	18/04/2009	06.15	Y phase Conv.T/F oil leakage
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	17/04/2009	07.43	17/04/2009	21.26	Testing Work
Akola-Bhusawal	17/04/2009	07.43	17/04/2009	21.17	Testing Work
Chandrapur-parli - III	17/04/2009	11.36		Continued.	On TBC-Hot spot on B phase line isolator at C'Pur
Voltage Level : 220KV				**Outage Type**	PLANNED OUTAGE
Wardha-K'Kheda	13/04/2009	10:36	17/04/2009	21.49	Relay Retrofitting Work.
100MVA,220/132kv, ICT at Bale	15/04/2009	10.05	17/04/2009	20.15	HV side CB air leakage.
Theur-Phursungi-I	16/04/2009	10.30		Continued.	Relay Retrofitting Work.
Ghodbandar-Versova-I	17/04/2009	07.32	17/04/2009	10.06	Hot Spot
220/100KV 125 MVA ICT-I at Kalwa	17/04/2009	08.37	17/04/2009	17.37	R.M.Work.
Apta-HOC	17/04/2009	10.01		Continued.	C.T.Replacement.
K'gaon-ONGC	17/04/2009	10.01	17/04/2009	17.32	Hot Spot
Kharghar-Nerul	17/04/2009	10.05	17/04/2009	16.35	R.M.Work.
Ghodbandar-Versova-II	17/04/2009	10.15	17/04/2009	12.21	Hot Spot
Voltage Level : 132KV				**Outage Type**	PLANNED OUTAGE
Madgi-Kawlewada-II	10/02/2009	16.20		Continued.	C.B. replacement work.
Voltage Level : 100KV				**Outage Type**	PLANNED OUTAGE
Kalwa-Washi	17/04/2009	10.23	17/04/2009	21.05	R.M.Work.
Voltage Level : 400KV				**Outage Type**	HAND TRIPPED
600 MVA ICT I AT KALWA	15/04/2009	16.31		Continued.	Buchholz Alarm.
BBLSR-BHUSAWAL	17/04/2009	09.24	17/04/2009	23.34	H/T to control Koradi-Bhusawal loading
Voltage Level : 220KV				**Outage Type**	TRIPPED
Khaparkheda-Kawlewada-II	14/04/2009	21.57		Continued.	Tripped on Distance protection
TILLARY-PHONDA	16/04/2009	13.05		Continued.	Trip. dist. prot. B ph
Voltage Level : 100KV				**Outage Type**	TRIPPED
Kalwa-Salshet ckt-II	17/04/2009	16.09	17/04/2009	16.49	Tripped.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Apr/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	0
Unit 4	105	70
Unit 5	200	140
Unit 6	210	150
Unit 7	210	150
	1040	**650**
Bhusawal		
Unit 1	58	50
Unit 2	210	180
Unit 3	210	175
	478	**405**
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	140
Unit 4	210	130
Unit 5	210	130
Unit 6	250	220
	940	**660**
Chandrapur		
Unit 1	210	170
Unit 2	210	165
Unit 3	210	150
Unit 4	210	180
Unit 5	500	300
Unit 6	500	300
Unit 7	500	350
	2340	**1615**
Paras		
Unit 2	55	39
Unit 3	250	125
	305	**164**
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	180
	870	**730**
Uran		
All Units	852	450
	852	**450**
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	**1170**
Hydro		
KDPH	40	36
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	40
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	28
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	**330**
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		
RGPPL II	740	580
RGPPL III	740	
	1480	**580**
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	**1607**
REL		
1&2	500	500
	500	**500**
Cent_Sect		
Share	3143	3241
	3143	**3241**

	17396	**12802**