



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Apr/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Apr/2009 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.086	2355.855	1) Madhya Pradesh	54.270	1091.147
2) Hydro	20.539	427.254	2) Gujrat	21.739	413.401
3) Gas	9.393	262.766	3) Goa	-5.184	-115.817
Total MSGENCO	152.018	3045.875	4) TAPS 1&2 (Inj.)	7.092	136.533
B) OTHERS			5) Pench (Excess)	-0.043	-3.017
1) RGPPL Gas	15.360	199.038	# Total Cent. Sector	77.874	1522.247
2) Wind Generation	7.157	101.772	F) Other Exchanges		
3) PENCH (MS)	0.043	3.289	1) With TPCL	-2.991	-87.070
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.835	592.651	1) MSEDCL Bilateral	5.263	144.955
2) TPCL Hydro	1.476	74.301	Include PX	0.138	13.128
TOTAL TPCL	29.311	666.952	2) MUMBAI Bilateral	4.079	106.216
3) REL Thermal	12.617	240.422	Include PX	-0.557	16.028
D) STATE			3) MUMBAI Schedule	4.079	107.766
1) Thermal (A1+C1+C3)	162.538	3188.928	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	22.058	504.844	1) MSEDCL	249.461	4788.272
3) Gas (A3+B1)	24.753	461.804	2) TPCL	29.332	660.801
4) Wind (B2)	7.157	101.772	3) REL	15.586	333.616
TOTAL STATE	216.506	4257.348	TOTAL STATE	294.379	5782.689

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	5226	5356	4765
MSGENCO Hydro	426	961	1491
MSGENCO Gas	477	335	474
MSGENCO Total Generation	6129	6652	6730
Central Sector Receipt	3531	3463	2666
RGPPL	639	641	642
WIND	222	541	197
Exchange with TPCL	-92	-257	-48
MSEDCL DEMAND MET	10429	11062	10187
Load Shedding	4132	3182	1600
MSEDCL DEMAND (INCL. LS)	14561	14244	11787
TPCL GENERATION	1175	1303	1176
REL GENERATION	527	525	527
TPCL+REL DEMAND	1794	2085	1751
STATE DEMAND MET	12223	13147	11938
STATE DEMAND (INCL. LS)	16355	16329	13538
Frequency (Hz)	49.68	49.54	49.28
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4573 MW AT 10.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			82.07 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.3 Hz at 13.50 Hrs	48.8 Hz at 00.09 Hrs	49.54	3 % 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 19/Apr/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.18	30.67	71	30	50
Unit 2	1.44	20.53	79	47	50
Unit 3	0.00	23.29	0	0	0
Unit 4	0.45	17.08	55	0	50
Unit 5	3.91	71.16	189	140	150
Unit 6	4.00	72.24	187	146	150
Unit 7	3.95	70.74	182	143	150
	14.92	305.71			600
Bhusawal					
Unit 1	1.30	15.54	58	50	50
Unit 2	4.06	79.23	176	156	180
Unit 3	4.12	80.25	183	165	175
	9.48	175.02			405
Parli					
Unit 1	0.55	10.60	25	21	20
Unit 2	0.57	11.14	25	22	20
Unit 3	3.46	61.41	160	134	140
Unit 4	3.56	66.16	158	142	140
Unit 5	3.54	63.91	157	141	140
Unit 6	5.25	101.34	236	203	220
	16.92	314.57			680
Chandrapur					
Unit 1	4.11	76.39	178	156	170
Unit 2	4.06	76.41	172	162	170
Unit 3	4.71	87.12	208	155	200
Unit 4	4.18	87.19	193	162	200
Unit 5	7.82	171.98	418	160	300
Unit 6	7.64	169.01	370	269	300
Unit 7	8.26	170.88	429	300	350
	40.78	838.98			1690
Paras					
Unit 2	1.16	18.54	51	43	50
Unit 3	4.26	71.10	210	135	145
	5.42	89.64			195
Khaparkheda					
Unit 1	4.30	86.18	186	165	175
Unit 2	4.23	84.35	181	170	175
Unit 3	4.25	70.42	186	170	175
Unit 4	4.31	86.76	186	174	175
	17.09	327.72			700
Nasik					
Unit 1	2.24	24.65	99	85	90
Unit 2	2.07	34.10	98	66	90
Unit 3	4.46	85.52	196	181	180
Unit 4	4.38	84.47	195	175	180
Unit 5	4.32	75.48	188	175	180
	17.47	304.22			720
Uran					
All Units	9.39	262.77	494	0	480
	9.39	262.77			480
Koyna					
Stage 1-2	3.52	73.51	510	40	600
Stage 4	9.51	225.89	1005	0	250
Koyna 12&4 Total	13.03	299.40			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.36	62.84	284	0	320
	15.39	362.24			1170
Hydro					
KDPH	0.92	9.16	39	38	36
VTRNA	1.31	3.13	61	0	60
TILLARI	0.40	7.52	60	0	60
BHTGR/VEER	0.96	14.96	40	40	40
BHIRA T.R.	0.17	4.17	82	0	80
RNGR+BHTSA	0.38	6.42	16	16	15
BHANDARDRA	0.67	12.34	28	28	30
ELDARY	0.00	0.30	0	0	0
PAITHAN	0.06	0.79	10	0	10
GHATGHAR	0.27	6.22	125	0	0
	5.15	65.01			331
PENCH (MS)					
Pench (MS)	0.04	3.29	22	0	0
	0.04	3.29			0
Wind					
MalharPeth	0.31	4.34			
Vankuswadi	0.62	10.54			
ATIT	0.14	1.93			
Kale	0.17	2.74			
Satara	0.32	4.29			
Shirala	0.58	4.24			
K Mahankal	0.08	1.67			
Supa	0.25	4.17			
Vita	1.86	15.72			
Dondaicha	1.56	30.28			
Sakri	0.26	5.34			
Nandurbar	0.28	4.29			
Khadakale	0.54	9.23			
Khaparale	0.17	3.02			
	7.16	101.77			
Dabhol					
RGPP L II	15.36	199.04	642	635	580
RGPP L III		0.00	0	0	0
	15.36	199.04			580
Tata					
Trombay 4	0.00	6.65	0	0	0
Trombay 5	12.12	224.48	505	505	500
Trombay 6	12.07	219.18	510	430	500
Trombay 7A	2.23	47.18	101	72	100
Trombay 7B	1.41	28.56	61	54	60
Trombay 8	0.00	66.60	0	0	0
TATA Hydro	1.48	74.30	268	0	447
	29.31	666.95			1607
REL					
1&2	12.62	240.42	527	523	500
	12.62	240.42			500
Cent Sect					
Share					3256
					3256

MS PG CL	Thermal	122.09	2355.86		4990
	Thml+Gas	131.48	2618.62		5470
	Hydro	20.54	427.25		1501
	Total	152.02	3045.88		6971
State Total		216.51	4257.35		12914

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	4804	1536	469	6809	642	221	2853	2630	-126	-92	10210	1624	11834	2063	13897	49.06
2	4738	1401	474	6613	641	211	2914	2701	-186	-144	10022	1628	11650	1894	13544	49.27
3	4765	1491	474	6730	642	197	2814	2666	-89	-48	10187	1600	11787	1751	13538	49.28
4	4848	1618	470	6936	642	205	2710	2670	17	59	10512	1645	12157	1644	13801	49.14
5	4856	1520	488	6864	642	272	2684	2683	48	92	10553	1747	12300	1609	13909	49.27
6	4957	1592	489	7038	642	240	2739	2734	-5	42	10696	2361	13057	1660	14717	49.19
7	5138	618	494	6250	640	223	2749	2787	-4	28	9928	3474	13402	1665	15067	49.39
8	5218	434	494	6146	640	154	2757	2705	32	67	9712	3913	13625	1614	15239	49.56
9	5234	337	489	6060	640	207	2812	3155	-21	15	10077	3998	14075	1689	15764	49.52
10	5226	426	477	6129	639	222	2920	3531	-127	-92	10429	4132	14561	1794	16355	49.68
11	5069	639	447	6155	640	244	2975	3537	-206	-170	10406	3641	14047	1873	15920	49.72
12	5058	587	386	6031	640	189	2998	3778	-233	-200	10438	3670	14108	1901	16009	49.75
13	5104	491	358	5953	640	96	3013	3931	-206	-163	10457	3597	14054	1884	15938	49.86
14	5081	355	363	5799	635	92	3006	3910	-206	-157	10279	3352	13631	1892	15523	50.14
15	5038	343	355	5736	635	181	3003	3771	-206	-154	10169	3304	13473	1906	15379	49.95
16	5063	394	334	5791	637	245	3000	3677	-206	-150	10200	3432	13632	1913	15545	49.90
17	5072	321	324	5717	637	330	3005	3437	-208	-158	9963	3737	13700	1902	15602	49.87
18	5113	312	324	5749	638	370	3221	3566	-295	-238	10085	3446	13531	1870	15401	49.80
19	5269	444	324	6037	640	464	3153	3454	-318	-265	10351	2962	13313	1870	15183	49.70
20	5356	961	335	6652	641	541	3255	3463	-301	-257	11062	3182	14244	2085	16329	49.54
21	5334	1139	366	6839	641	557	3262	3408	-301	-241	11204	2957	14161	2096	16257	49.59
22	5331	1064	400	6795	642	614	3259	3205	-289	-244	11012	2673	13685	2097	15782	49.23
23	5223	1137	259	6619	642	516	3282	3317	-320	-261	10833	2415	13248	2121	15369	49.20
24	5191	1379	0	6570	642	565	3196	3158	-319	-260	10675	2119	12794	2126	14920	49.39
MUs	122.09	20.54	9.39	152.02	15.36	7.16	71.58	77.87	-4.08	-2.99	249.46	70.61	320.07	44.92	364.99	49.54

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 19/Apr/2009

Position as on 6.30 Hrs of 20/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	20/04/2009	03.40	Bearing Vibration Problem.	
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.	22/04/2009
Uran Unit 7	108	17/04/2009	11.24	19/04/2009	22:18	Gas Restriction	
Tata Trombay 8	250	18/04/2009	01.51		Continued.	Boiler Tube Leakage	21/04/2009
Koradi Unit 4	115	19/04/2009	09:32		Continued.	Coal Shortage	21/04/2009
Uran Unit 5	108	19/04/2009	15:23	19/04/2009	19:08	Low Pressure Feed Water Pump Leakage.	
Uran Unit 6	108	19/04/2009	22.45	20/04/2009	01:57	U7 BPh.P.T.Burst.	
Uran Unit 7	108	19/04/2009	22.45		Continued.	U7 BPh.P.T.Burst.	
Uran Unit A0	120	19/04/2009	22.45	20/04/2009	04:58	U7 BPh.P.T.Burst.	
Uran Unit B0	120	19/04/2009	22.45		Continued.	U7 BPh.P.T.Burst.	
Uran Unit 8	108	19/04/2009	22.45	20/04/2009	01:24	U7 BPh.P.T.Burst.	
Uran Unit 5	108	19/04/2009	22:45	20/04/2009	03:35	U7 BPh.P.T.Burst.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Apr/2009

Position as on 6.30 Hrs of 20/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	19/04/2009	14:40	H/T FOR O/V
DHULE-SAR'SAROVAR-I	19/04/2009	15:41		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.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
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 : 500KV			Outage Type FORCED OUTAGE		
HVDC POLE II - CHDPR	18/04/2009	23.25	19/04/2009	04.06	Neutral Isolator work
HVDC POLE I -CHDPR	18/04/2009	23.27	19/04/2009	03.07	Neutral Isolator work
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Kandalgaon-Bus section-II.	19/04/2009	13:13	19/04/2009	19:40	Bus Jumpering work.
K'gaon-ONGC	19/04/2009	18:00	19/04/2009	19:55	Bus Jumpering work.
Kandalgaon-Bhira	19/04/2009	18:01	19/04/2009	19:56	Bus Jumpering work.
K'gaon-Dasturi	19/04/2009	18:02	19/04/2009	19:57	Bus Jumpering work.
K'gaon-Lonand	19/04/2009	18:04	19/04/2009	19:58	Bus Jumpering work.
220/22kv 50MVA T/F-I @K'gaon	19/04/2009	18:10	19/04/2009	19:50	Bus Jumpering work.
220/100KV 100MVA T/F at K'gaon	19/04/2009	18:11	19/04/2009	20:08	Bus Jumpering work.
220/100 KV,50 MVA T/F Kandalgaon	19/04/2009	18:12	19/04/2009	20:05	Bus Jumpering work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
600 MVA ICT I AT KALWA	15/04/2009	16.31		Continued.	Buchholz Alarm.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 315MVA ICT at Akola.	19/04/2009	01:06	19/04/2009	19:41	Kept on humming
Voltage Level : 220KV			Outage Type TRIPPED		
Khaparkhedha-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
220/66KV,50MVA T/F-II at Wardha	19/04/2009	00.25	19/04/2009	17:22	B phase L.V.C.T.Burst
220/132 KV 200 MVA ICT-IV at NSK OCR	19/04/2009	03.45	19/04/2009	05.15	Tripped on over current,E/F
Apta-Uran-IV	19/04/2009	22.45	19/04/2009	23.57	U7 B Ph P.T. Burst.Bus fault.
Uran - Khargar - I	19/04/2009	22.45	20/04/2009	00:40	U7 B Ph P.T. Burst.Bus fault.
220/22 KV 25 MVA T/F I @ Uran	19/04/2009	22.45	20/04/2009	03:58	Bus Fault
Uran-ONGC	19/04/2009	22.45	20/04/2009	00.03	Bus Fault
Uran - JNPT	19/04/2009	22.45	20/04/2009	00.02	Bus Fault
220/22 25 MVA T/F-II @	19/04/2009	22.45	20/04/2009	00.05	Bus Fault

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Apr/2009

Position as on 6.30 Hrs of 20/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Uran					
Uran-Kharghar-CKT.II	19/04/2009	22.45	19/04/2009	23.44	U7 B Ph P.T. Burst.Bus fault.
URAN_HOCL	19/04/2009	22.45	20/04/2009	02:15	U7 B Ph P.T. Burst.Bus fault.
220 KV Bus @ Uran.	19/04/2009	22:45	19/04/2009	23.36	U7 B Ph P.T. Burst.Bus fault.
Uran-Apta-II	19/04/2009	22:45	20/04/2009	02:04	U7 B Ph P.T. Burst.Bus fault.
Uran -Apta-III	19/04/2009	22:45	19/04/2009	23.36	U7 B Ph P.T. Burst.Bus fault.
BBLSWR-CHLSGN	20/04/2009	03.10		Continued.	B Phase CT Burst
Chalisgaon-BSL-I	20/04/2009	03:10	20/04/2009	04:22	BPh C.T. Burst. Bus fault.
Bhusawal-Chalisgaon-II	20/04/2009	03:10	20/04/2009	04:09	BPh C.T. Burst. Bus fault.
Chalisgaon - Malegaon	20/04/2009	03:10	20/04/2009	04:30	BPh C.T. Burst. Bus fault.
220/132KV 100MVA ICT-I at Chalisgaon	20/04/2009	03:10	20/04/2009	04:09	BPh C.T. Burst. Bus fault.
220/132KV 100MVA ICT-II at Chalisgaon	20/04/2009	03:10	20/04/2009	04:14	BPh C.T. Burst. Bus fault.
Dhule-Chalisgaon	20/04/2009	03:10	20/04/2009	04:52	BPh C.T. Burst. Bus fault.
Voltage Level : 132KV			Outage Type TRIPPED		
132/33KV 25MVA T/F at Yawal	18/04/2009	18.09	19/04/2009	15.00	B phase H/V C.B.pole burst
Satpur-Nasik OCR	19/04/2009	03.45	19/04/2009	21.44	R Ph CT Burst at Satpur
Chalisgaon-Pimperkhed	20/04/2009	03:10	20/04/2009	03:15	Shifted on Nasik.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/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	0
Unit 5	200	180
Unit 6	210	180
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	140
Unit 5	210	140
Unit 6	250	220
	940	680
Chandrapur		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	210
Unit 4	210	200
Unit 5	500	375
Unit 6	500	350
Unit 7	500	400
	2340	1875
Paras		
Unit 2	55	45
Unit 3	250	230
	305	275
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	180
Unit 4	210	180
Unit 5	210	180
	870	720
Uran		
All Units	852	360
	852	360
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	38
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	0
GHATGHAR	250	0
	611	322
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		
RGPL II	740	580
RGPL III	740	
	1480	580
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3262
	3143	3262