



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Apr/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 18/Apr/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	120.261	2233.769	1) Madhya Pradesh	58.360	1036.877
2) Hydro	27.340	406.715	2) Gujrat	19.299	391.662
3) Gas	11.391	253.373	3) Goa	-5.700	-110.633
Total MSGENCO	158.992	2893.857	4) TAPS 1&2 (Inj.)	7.120	129.441
B) OTHERS			5) Pench (Excess)	-0.035	-2.974
1) RGPPL Gas	15.387	183.678	# Total Cent. Sector	79.044	1444.373
2) Wind Generation	5.674	94.615	F) Other Exchanges		
3) PENCH (MS)	0.035	3.246	1) With TPCL	-5.648	-84.079
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	28.771	564.816	1) MSEDCL Bilateral	7.009	139.692
2) TPCL Hydro	4.352	72.825	Include PX	0.000	12.991
TOTAL TPCL	33.123	637.641	2) MUMBAI Bilateral	4.767	102.137
3) REL Thermal	12.617	227.805	Include PX	0.294	16.584
D) STATE			3) MUMBAI Schedule	4.767	103.687
1) Thermal (A1+C1+C3)	161.649	3026.390	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	31.727	482.786	1) MSEDCL	253.484	4538.768
3) Gas (A3+B1)	26.778	437.051	2) TPCL	34.069	631.469
4) Wind (B2)	5.674	94.615	3) REL	17.318	318.030
TOTAL STATE	225.828	4040.842	TOTAL STATE	304.871	5488.267

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5162	4970	4760
MSGENCO Hydro	746	2053	942
MSGENCO Gas	472	477	480
MSGENCO Total Generation	6380	7500	6182
Central Sector Receipt	3877	3169	2823
RGPPL	639	642	640
WIND	168	204	390
Exchange with TPCL	-427	-294	-1
MSEDCL DEMAND MET	10637	11233	10034
Load Shedding	3461	3354	1480
MSEDCL DEMAND (INCL. LS)	14098	14587	11514
TPCL GENERATION	1446	1588	1181
REL GENERATION	525	524	525
TPCL+REL DEMAND	2398	2406	1707
STATE DEMAND MET	13035	13639	11741
STATE DEMAND (INCL. LS)	16496	16993	13221
Frequency (Hz)	49.80	49.48	49.35
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4474 MW AT 13.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			82.47 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.35 Hz at 13.34 Hrs	48.88 Hz at 22.24 Hrs	49.62	1.25 % 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 18/Apr/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.67	29.49	76	47	70
Unit 2	1.73	19.09	83	55	70
Unit 3	0.00	23.29	0	0	0
Unit 4	1.65	16.63	79	58	70
Unit 5	4.06	67.26	186	142	140
Unit 6	4.10	68.25	199	150	150
Unit 7	3.79	66.78	178	128	150
	17.00	290.79			650
Bhusawal					
Unit 1	1.28	14.24	56	44	50
Unit 2	4.10	75.17	175	161	180
Unit 3	4.12	76.13	183	167	175
	9.50	165.54			405
Parli					
Unit 1	0.55	10.05	25	22	20
Unit 2	0.58	10.57	25	23	20
Unit 3	3.44	57.95	158	136	140
Unit 4	3.53	62.60	158	142	130
Unit 5	3.45	60.38	158	138	130
Unit 6	5.44	96.09	241	200	220
	16.98	297.64			660
Chandrapur					
Unit 1	3.94	72.28	175	153	170
Unit 2	3.99	72.34	171	150	165
Unit 3	4.15	82.41	201	102	150
Unit 4	4.58	83.02	204	169	180
Unit 5	5.29	164.16	360	124	300
Unit 6	7.13	161.37	330	250	300
Unit 7	8.14	162.62	400	303	350
	37.21	798.20			1615
Paras					
Unit 2	1.11	17.37	51	38	39
Unit 3	3.39	66.84	241	0	125
	4.51	84.22			164
Khaparkheda					
Unit 1	4.32	81.88	185	171	175
Unit 2	4.25	80.12	185	166	175
Unit 3	4.38	66.17	190	176	175
Unit 4	4.42	82.45	192	180	175
	17.38	310.62			700
Nasik					
Unit 1	2.23	22.41	96	85	90
Unit 2	2.21	32.03	99	82	90
Unit 3	4.48	81.06	194	183	190
Unit 4	4.40	80.10	195	176	180
Unit 5	4.37	71.16	192	170	180
	17.69	286.76			730
Uran					
All Units	11.39	253.37	498	450	450
	11.39	253.37			450
Koyna					
Stage 1-2	3.58	69.99	400	40	600
Stage 4	14.42	216.38	1119	0	250
Koyna 12&4 Total	18.00	286.37			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	3.80	60.48	320	0	320
	21.80	346.85			1170
Hydro					
KDPH	0.92	8.24	39	38	36
VTRNA	1.27	1.82	61	0	60
TILLARI	0.39	7.11	60	0	60
BHTGR/VEER	0.96	14.00	40	40	40
BHIRA T.R.	0.31	4.00	82	0	80
RNGR+BHTSA	0.38	6.04	16	16	16
BHANDARDRA	0.70	11.67	30	20	28
ELDARY	0.00	0.30	0	0	0
PAITHAN	0.06	0.73	12	0	10
GHATGHAR	0.55	5.95	125	0	0
	5.54	59.86			330
PENCH (MS)					
Pench (MS)	0.04	3.25	23	0	
	0.04	3.25			
Wind					
MalharPeth	0.18	4.02			
Vankuswadi	0.55	9.91			
ATIT	0.08	1.78			
Kale	0.16	2.57			
Satara	0.19	3.96			
Shirala	0.16	3.65			
K Mahankal	0.04	1.59			
Supa	0.23	3.92			
Vita	0.88	13.86			
Dondaicha	1.94	28.71			
Sakri	0.30	5.08			
Nandurbar	0.32	4.01			
Khadakale	0.53	8.69			
Khaparale	0.11	2.85			
	5.67	94.62			
Dabhol					
RGPP L II	15.39	183.68	649	636	580
RGPP L III		0.00	0	0	
	15.39	183.68			580
Tata					
Trombay 4	0.00	6.65	0	0	0
Trombay 5	12.12	212.36	505	500	500
Trombay 6	12.01	207.12	510	450	500
Trombay 7A	2.80	44.95	126	100	100
Trombay 7B	1.59	27.14	69	61	60
Trombay 8	0.26	66.60	168	0	0
TATA Hydro	4.35	72.82	412	0	447
	33.12	637.64			1607
REL					
1&2	12.62	227.80	529	523	500
	12.62	227.80			500
Cent Sect					
Share					3241
					3241

MS PG CL	Thermal	120.26	2233.77		4924
	Thml+Gas	131.65	2487.14		5374
	Hydro	27.34	406.72		1500
	Total	158.99	2893.86		6874
State Total		225.83	4040.84		12802

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/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	4710	1186	474	6370	640	312	2930	2886	-119	-107	10101	1527	11628	2040	13668	49.21
2	4693	1104	478	6275	640	383	2926	2903	-113	-101	10100	1533	11633	1920	13553	49.33
3	4760	942	480	6182	640	390	2825	2823	-13	-1	10034	1480	11514	1707	13221	49.35
4	4774	1174	481	6429	641	397	2743	2880	72	83	10430	1600	12030	1630	13660	49.37
5	4835	1308	482	6625	641	404	2723	2797	92	105	10572	1768	12340	1597	13937	49.51
6	4955	1296	480	6731	641	373	2766	2815	96	60	10620	2379	12999	1644	14643	49.42
7	5123	476	484	6083	637	321	2801	3064	64	31	10136	3643	13779	1704	15483	49.70
8	5241	360	498	6099	638	176	2896	2990	-32	-61	9842	4067	13909	1747	15656	49.72
9	5314	284	492	6090	637	170	2965	3164	-108	-137	9924	4288	14212	1843	16055	49.80
10	5389	359	491	6239	638	171	3280	3540	-413	-450	10138	4062	14200	2241	16441	49.84
11	5162	746	472	6380	639	168	3263	3877	-391	-427	10637	3461	14098	2398	16496	49.80
12	5062	1059	450	6571	642	137	3328	3895	-467	-502	10743	3325	14068	2508	16576	49.78
13	5036	1269	458	6763	636	92	3319	3994	-467	-521	10964	3303	14267	2517	16784	49.98
14	5045	1118	468	6631	641	102	3241	3787	-391	-441	10720	3451	14171	2421	16592	50.26
15	5109	975	466	6550	642	138	3238	3786	-453	-445	10671	3414	14085	2475	16560	49.95
16	5043	880	465	6388	642	153	3253	3655	-437	-445	10393	3641	14034	2506	16540	49.92
17	5059	657	462	6178	642	206	3254	3576	-437	-444	10158	4047	14205	2479	16684	49.72
18	5040	867	474	6381	648	247	3135	3451	-279	-329	10398	3720	14118	2367	16485	49.75
19	4992	1352	479	6823	649	203	3100	3214	-185	-294	10618	3115	13733	2300	16033	49.66
20	4970	2053	477	7500	642	204	3271	3169	-188	-294	11233	3354	14587	2406	16993	49.48
21	4991	2076	471	7538	642	236	3307	3370	-188	-284	11502	3139	14641	2352	16993	49.53
22	5035	2066	470	7571	643	218	3263	3295	-140	-234	11493	2864	14357	2256	16613	49.35
23	4993	1924	469	7386	643	180	3226	3178	-136	-204	11183	2438	13621	2178	15799	49.16
24	4930	1809	470	7209	643	294	3078	2935	-137	-206	10875	2112	12987	2152	15139	49.18
MUs	120.26	27.34	11.39	158.99	15.39	5.68	74.13	79.04	-4.77	-5.65	253.48	71.73	325.22	51.39	376.60	49.62

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 18/Apr/2009

Position as on 6.30 Hrs of 19/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.	
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
Paras Unit 3	250	15/04/2009	21.15	18/04/2009	05.05	Economiser T/L.	
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 7	108	19/04/2009	22.45		Continued.	U7 BPh.P.T.Burst.	
Uran Unit B0	120	19/04/2009	22.45		Continued.	U7 BPh.P.T.Burst.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 18/Apr/2009

Position as on 6.30 Hrs of 19/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	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
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari -II	18/04/2009	16.00	18/04/2009	17.12	Testing Work
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.
Chandrapur-parli - III	17/04/2009	11.36	18/04/2009	15.55	On TBC-Hot spot on B phase line isolator at C'Pur
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Theur-Phursungi-I	16/04/2009	10.30		Continued.	Relay Retrofitting Work.
Apta-HOC	17/04/2009	10.01	18/04/2009	18.30	C.T.Replacement.
Pedambe - Karad	18/04/2009	08.50	18/04/2009	15.25	Bay Maintenance work.
Pedambe-Newkoyna	18/04/2009	11.06	18/04/2009	12.20	Taken on TBC
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 : 400KV			Outage Type FORCED OUTAGE		
Chandrapur-parli - III	18/04/2009	11.43	18/04/2009	15.55	Hot Spot
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, 500MVA ICT at Lamboti	18/04/2009	15.42	18/04/2009	20.20	Trip on PRV
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		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 18/Apr/2009

Position as on 6.30 Hrs of 19/Apr/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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
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-Kharghar-CKT.II	19/04/2009	22.45	19/04/2009	23.44	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-III	19/04/2009	22:45	19/04/2009	23.36	U7 B Ph P.T. Burst.Bus fault.
Voltage Level : 132KV			Outage Type TRIPPED		
Yawal-Deepnagar	18/04/2009	18.09	18/04/2009	19.03	Tripped.
Yawal-chopda	18/04/2009	18.09	18/04/2009	19.03	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
Voltage Level : 100KV			Outage Type TRIPPED		
Tambati-Uttam Galva	18/04/2009	14.20	18/04/2009	16.35	Tripped on Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 19/Apr/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	50
Unit 2	105	50
Unit 3	105	0
Unit 4	105	50
Unit 5	200	150
Unit 6	210	150
Unit 7	210	150
	1040	600
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	200
Unit 4	210	200
Unit 5	500	300
Unit 6	500	300
Unit 7	500	350
	2340	1690
Paras		
Unit 2	55	50
Unit 3	250	145
	305	195
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	480
	852	480
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	36
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	40
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	30
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	331
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	580
RGPPPL III	740	0
	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	3256
	3143	3256