



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Feb/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.202	2371.490	1) Madhya Pradesh	59.996	1249.418
2) Hydro	15.621	257.430	2) Gujrat	21.499	347.007
3) Gas	13.153	279.711	3) Goa	-5.939	-107.099
Total MSGENCO	153.976	2908.631	4) TAPS 1&2 (Inj.)	7.388	140.373
B) OTHERS			5) Pench (Excess)	0.000	0.023
1) RGPPL Gas	12.471	142.035	# Total Cent. Sector	82.944	1629.722
2) Wind Generation	1.740	48.813	F) Other Exchanges		
3) PENCH (MS)	0.000	0.000	1) With TPCL	-4.994	-112.142
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	23.787	353.900	1) MSEDCL Bilateral	10.309	197.433
2) TPCL Hydro	3.200	85.217	Include PX	1.583	51.918
TOTAL TPCL	26.987	439.117	2) MUMBAI Bilateral	6.385	128.790
3) REL Thermal	12.704	241.353	Include PX	1.044	25.686
D) STATE			3) MUMBAI Schedule	6.385	129.540
1) Thermal (A1+C1+C3)	161.693	2966.743	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	18.821	342.647	1) MSEDCL	246.137	4617.059
3) Gas (A3+B1)	25.624	421.746	2) TPCL	29.739	525.711
4) Wind (B2)	1.740	48.813	3) REL	14.944	266.955
TOTAL STATE	207.878	3779.949	TOTAL STATE	290.820	5409.725

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 1 Hrs
MSGENCO Thermal	5324	5268	4822
MSGENCO Hydro	482	1350	261
MSGENCO Gas	642	472	611
MSGENCO Total Generation	6448	7090	5694
Central Sector Receipt	3682	3622	2898
RGPPL	488	620	330
WIND	88	47	86
Exchange with TPCL	-296	-369	-95
MSEDCL DEMAND MET	10410	11010	8913
Load Shedding	4605	4262	1955
MSEDCL DEMAND (INCL. LS)	15015	15272	10868
TPCL GENERATION	1215	1337	814
REL GENERATION	529	529	531
TPCL+REL DEMAND	2040	2235	1440
STATE DEMAND MET	12450	13245	10353
STATE DEMAND (INCL. LS)	17055	17507	12308
Frequency (Hz)	49.29	49.47	49.60
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4889 AT 13:00 HRS.
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			92.99 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.2 Hz at 18:02 Hrs	48.92 Hz at 23:19 Hrs	49.43	.73 % 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/Feb/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.46	30.43	72	41	45
Unit 2	1.74	32.82	79	56	70
Unit 3	0.00	0.00	0	0	0
Unit 4	1.47	30.21	77	20	35
Unit 5	4.01	75.76	173	157	170
Unit 6	0.00	25.94	0	0	0
Unit 7	4.18	79.02	190	155	180
	12.85	274.18			500
Bhusawal					
Unit 1	0.64	11.52	28	24	25
Unit 2	0.00	50.64	0	0	0
Unit 3	4.66	78.74	199	186	190
	5.30	140.89			215
Parli					
Unit 1	0.48	9.93	22	18	20
Unit 2	0.56	10.94	25	22	20
Unit 3	3.91	72.27	192	122	160
Unit 4	4.07	76.03	182	138	170
Unit 5	0.00	59.57	0	0	0
Unit 6	5.31	96.42	241	208	220
	14.34	325.17			590
Chandrapur					
Unit 1	3.94	66.33	172	150	165
Unit 2	4.07	78.40	176	162	175
Unit 3	5.10	78.16	219	210	210
Unit 4	4.14	86.46	196	0	180
Unit 5	10.42	178.83	472	395	425
Unit 6	10.00	182.41	444	386	400
Unit 7	10.65	160.74	479	419	425
	48.32	831.32			1980
Paras					
Unit 2	1.10	17.26	48	37	45
Unit 3	5.23	96.59	246	122	230
	6.32	113.85			275
Khaparkheda					
Unit 1	4.74	90.73	208	169	200
Unit 2	4.56	87.90	198	180	200
Unit 3	4.87	89.68	214	188	200
Unit 4	4.95	90.23	210	196	200
	19.12	358.53			800
Nasik					
Unit 1	2.23	36.62	97	84	95
Unit 2	2.26	32.96	102	85	95
Unit 3	4.80	91.06	209	183	200
Unit 4	4.87	91.41	208	196	200
Unit 5	4.80	75.49	210	167	200
	18.96	327.55			790
Uran					
All Units	13.15	279.71	648	458	600
	13.15	279.71			600
Koyna					
Stage 1-2	2.36	44.22	230	25	600
Stage 4	6.04	99.73	804	0	250
Koyna 12&4 Total	8.40	143.95			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.16	30.95	160	0	240
	10.57	174.90			1090
Hydro					
KDPH	0.67	10.33	38	0	36
VTRNA	1.46	23.34	61	60	60
TILLARI	0.39	7.50	60	0	60
BHTGR/VEER	1.32	23.54	55	55	50
BHIRA T.R.	0.25	4.83	79	0	80
RNGR+BHTSA	0.32	6.65	15	12	15
BHANDARDRA	0.00	0.00	5	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	1.03	11	0	11
GHATGHAR	0.58	5.32	125	0	0
	5.05	82.53			312
PENCH (MS)					
Pench (MS)	0.00	0.00	0	0	
	0.00	0.00			
Wind					
MalharPeth	0.11	2.45			
Vankuswadi	0.24	5.59			
ATIT	0.02	0.63			
Kale	0.05	2.15			
Satara	0.11	2.26			
Shirala	0.08	1.69			
K Mahankal	0.02	0.29			
Supa	0.11	1.33			
Vita	0.44	10.37			
Dondaicha	0.24	13.24			
Sakri	0.06	2.51			
Nandurbar	0.04	1.94			
Khadakale	0.22	3.49			
Khaparale	0.02	0.86			
	1.74	48.81			
Dabhol					
RGPP L II	12.47	142.04	622	330	300
RGPP L III	0.00	0.00	0	0	
	12.47	142.04			300
Tata					
Trombay 4	2.70	51.70	137	97	150
Trombay 5	12.12	228.73	505	505	500
Trombay 6	5.40	5.40	390	0	150
Trombay 7A	2.14	45.56	106	72	120
Trombay 7B	1.42	22.50	64	54	60
TATA Hydro	3.20	85.22	328	2	447
	26.99	439.12			1427
REL					
1&2	12.70	241.35	531	527	500
	12.70	241.35			500
Cent Sect					
Share					3431
					3431

MS PG CL	Thermal	125.20	2371.49		5150
	Thml+Gas	138.36	2651.20		5750
	Hydro	15.62	257.43		1402
	Total	153.98	2908.63		7152
State Total		207.88	3779.95		12810

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/Feb/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	4822	261	611	5694	330	86	3091	2898	-151	-95	8913	1955	10868	1440	12308	49.60
2	4884	191	612	5687	335	94	2998	2978	-57	-1	9093	1894	10987	1332	12319	49.85
3	5053	226	611	5890	338	133	2951	2948	-7	50	9359	2037	11396	1278	12674	49.88
4	5122	211	614	5947	445	129	2927	3066	18	76	9663	1725	11388	1350	12738	49.79
5	5168	221	617	6006	460	112	2926	3109	20	75	9762	2513	12275	1380	13655	49.48
6	5218	436	615	6269	462	106	2959	3028	-28	27	9892	2969	12861	1439	14300	49.32
7	5228	449	612	6289	463	119	2979	3018	-53	2	9891	4029	13920	1466	15386	49.36
8	5287	306	641	6234	463	100	3304	3242	-63	-5	10034	4280	14314	1526	15840	49.30
9	5310	359	648	6317	464	107	3218	3364	-119	-66	10186	4549	14735	1719	16454	49.39
10	5324	482	642	6448	488	88	3448	3682	-352	-296	10410	4605	15015	2040	17055	49.29
11	5346	567	632	6545	505	68	3539	3795	-446	-387	10526	4181	14707	2240	16947	49.20
12	5300	598	624	6522	510	43	3498	4060	-446	-389	10746	3979	14725	2247	16972	49.30
13	5288	964	525	6777	576	60	3512	3981	-446	-388	11006	3923	14929	2219	17148	49.26
14	5271	945	464	6680	613	32	3481	3943	-399	-342	10926	3929	14855	2183	17038	49.53
15	5259	993	460	6712	609	33	3432	3731	-352	-299	10786	3823	14609	2180	16789	49.37
16	5246	969	458	6673	608	38	3428	3577	-352	-302	10594	3933	14527	2218	16745	49.31
17	5225	964	465	6654	608	49	3427	3579	-352	-300	10590	3824	14414	2195	16609	49.23
18	5246	1001	470	6717	614	74	3557	3673	-426	-370	10708	3680	14388	2171	16559	49.41
19	5211	1087	474	6772	618	52	3583	3800	-369	-311	10931	4041	14972	2165	17137	49.53
20	5268	1350	472	7090	620	47	3287	3622	-427	-369	11010	4262	15272	2235	17507	49.47
21	5299	1452	472	7223	622	42	3340	3448	-423	-354	10981	3809	14790	2133	16923	49.46
22	5348	939	472	6759	620	45	3321	3444	-422	-353	10515	3837	14352	1986	16338	49.36
23	5281	392	471	6144	619	32	3331	3568	-426	-359	10004	3552	13556	1882	15438	49.42
24	5190	258	471	5919	481	27	3168	3390	-308	-238	9579	2779	12358	1661	14019	49.31
MUs	125.19	15.62	13.15	153.97	12.47	1.72	78.70	82.94	-6.38	-4.99	246.10	84.11	330.21	44.68	374.90	49.43

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/Feb/2009

Position as on 6.30 Hrs of 20/Feb/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
Tata Trombay 6	500	13/01/2009	00.11	19/02/2009	03.15	Capital overhaul	
Koyna ST-IV 1	250	20/01/2009	22:00		Continued.	Annual Overhaul	24/02/2009
Cent_Sect KARPR2	220	03/02/2009	00.24		Continued.	Bi-Annual overhaul work	10/03/2009
Koradi Unit 6	210	08/02/2009	02.11		Continued.	ANNUAL MAINT. WORK	15/03/2009
Koyna Unit 9	80	12/02/2009	00.00		Continued.	Annual Overhaul	24/02/2009
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 3B	230	19/11/2008	19.55		Continued.	W/dn	31/03/2009
Dabhol 3X	290	19/11/2008	19.58		Continued.	W/dn	31/03/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	10/03/2009
Parli Unit 5	210	15/02/2009	12.02	20/02/2009	08:57	Boiler Tube Leakage	
Bhusawal Unit 2	210	16/02/2009	19.37	20/02/2009	15:43	Boiler Tube Leakage	
Dabhol 1A	230	18/02/2009	19.02	19/02/2009	00.07	Tripped	
Dabhol 1X	290	18/02/2009	19.04	19/02/2009	02.51	Tripped	
Chandrapur Unit 4	210	18/02/2009	22.47	19/02/2009	01.45	Control Supply Failed.	
Cent_Sect NTPC(V) 9	500	19/02/2009	08.25	20/02/2009	01.30	Turbine Problem	
Uran Unit 6	108	19/02/2009	14.58	20/02/2009	03.24	Gas Restriction	
Dabhol 1A	230	20/02/2009	00.19	20/02/2009	03.47	Gas line strainer removal	
Dabhol 1X	290	20/02/2009	00.20	20/02/2009	05.42	Gas line strainer removal	
Dabhol 1A	230	20/02/2009	10:52	20/02/2009	12:14	Purge valve mal function.	
Dabhol 1X	290	20/02/2009	10:55		Continued.	Hand Tripped	21/02/2009
Dabhol 1A	230	20/02/2009	12:22		Continued.	Water leakages in HR S G.	21/02/2009
Paras Unit 3	250	20/02/2009	23:35		Continued.	Pressure Part Leakages	23/02/2009

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

Position as on 6.30 Hrs of 20/Feb/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Momewadi -Halkarni	19/02/2009	08.22	19/02/2009	13.45	Insulator Replacement
Nasik-Navsari-I	19/02/2009	09.10	19/02/2009	18.06	Line Maintenance work.
Nasik-Navsari -II	20/02/2009	09:00	20/02/2009	21:05	Insulator Replacement
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Spare ICT @ Karad	02/02/2009	10.43		Continued.	O/H Work.
500 MVA 400/220 KV ICT at Jejuri	19/02/2009	00.48	19/02/2009	10.09	Replacement of Isolator
400/220KV ICT-II at New Koyana	19/02/2009	08.22	19/02/2009	17.38	Tan Delta Measurment.
400/220KV ICT-II at Padgha	19/02/2009	22:40	20/02/2009	21:35	P.R.V repl.
400/220KV ICT-II at New Koyana	20/02/2009	08:28	20/02/2009	18:03	Tan Delta Measurment.
400/220kv 315MVA ICT-II at Kolhapur	20/02/2009	11:38	20/02/2009	17:28	SMS Work.
400/220KV ICT-II @ Kalwa	20/02/2009	14:45	20/02/2009	17:22	Testing of LV side New Breaker.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
ICT - III at Harangul	20/12/2008	14.53		Continued.	New ICT commissioning work
L.V.Breaker 400/220 KV ICT-II at Klw.	10/02/2009	13.28	20/02/2009	14:45	ICT-II on TBC.Br.Repl.
APTA-TAMBATI	18/02/2009	10.46	19/02/2009	19.40	C.T.Replacement.
LONIKAND-KATHAPUR	19/02/2009	10.43	19/02/2009	18.22	Isolator Replacement.
Lamboti-Bale-I	19/02/2009	10.47	19/02/2009	13.30	Breaker testing work
220/33 KV,50 MVA T/F-II at Yavatmal	19/02/2009	10.52	19/02/2009	13.35	O.L.T.C. Maint.Work
Baramati - Lonand	19/02/2009	11.13	19/02/2009	18.00	Fixing of Bird Guards
220KV Main Half Bus Section at Bhugaon	19/02/2009	11.30	19/02/2009	15.05	Jumpering work of 220/33KV T/F with 220KV Main Bus
220KV BHADLI RLY- I at Bhusawal-II	19/02/2009	13.22	19/02/2009	18.52	Repl.of Faulty Trip Coil for Y phase pole
220/132,100 MVA ICT-2 @ Malegaon.	20/02/2009	09:33	20/02/2009	11:35	Attending C.T. oil leakage.
Kalyani-Bhigwan	20/02/2009	10:15	20/02/2009	17:20	Fixing of Bird Guards
220/132 kv, 50 MVA ICT.@ Chitegaon	20/02/2009	11:15	20/02/2009	18:30	Tan Delta Measurment.
Aurangabad-BBLSWR-II	20/02/2009	11:38	20/02/2009	16:38	E/W Restraining
Aurangabad - Bhenda	20/02/2009	11:56	20/02/2009	18:03	E/W Restraining
Tifil-Trombay	20/02/2009	12:03	20/02/2009	14:43	RED HOT.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Ambazari-Hingna-II	17/02/2009	12:45	20/02/2009	17:50	RETROFITTING
Paras-Malegaon	20/02/2009	08:54	20/02/2009	18:02	400 KV Stringing work of PGCIL.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
PADGHA-JINDAL	20/02/2009	19:35	20/02/2009	21:59	RED HOT.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV ICT @ Jejuri	20/02/2009	14:53	20/02/2009	15:10	Heavy Sparking on Line Isol.
Voltage Level : 220KV			Outage Type HAND TRIPPED		

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

Position as on 6.30 Hrs of 20/Feb/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
220/100 KV ICT-3 at Borivali	15/02/2009	02:17		Continued.	H/T Attending Sparking LV Side.
Khaparkheda - Kanhan - II	18/02/2009	21.13	19/02/2009	02.00	Heavy Sparking on Line Isol.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Lonikhand	20/02/2009	15:20	20/02/2009	15:50	Tripped on dist.prot.R Ph.
Voltage Level : 220KV			Outage Type TRIPPED		
Padghe - Jindal	18/02/2009	19.33	19/02/2009	01.40	Loc.No.99,Y ph Insul.Decaping
Nasik-Raymond	20/02/2009	03.00	20/02/2009	04.05	Trip CKT Faulty (taken on TBC)
K'gaon-Lonand	20/02/2009	14:53	20/02/2009	15:11	Tripped on dist.prot.R Ph.
Voltage Level : 132KV			Outage Type TRIPPED		
Chalisgaon - Kannad	17/02/2009	22.05	19/02/2009	18.30	R ph C T Burst,132KV Bus Bar Protection Operated & all 132KV Feeders &100MVA,220/132KV I & II Tipped.
null					
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Malkapur-Motala	18/02/2009	11:45	20/02/2009	16:04	Breaker Replacement

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Feb/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	0
Unit 4	105	75
Unit 5	200	160
Unit 6	210	0
Unit 7	210	170
	1040	545
Bhusawal		
Unit 1	58	25
Unit 2	210	0
Unit 3	210	190
	478	215
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	180
Unit 4	210	130
Unit 5	210	0
Unit 6	250	230
	940	580
Chandrapur		
Unit 1	210	165
Unit 2	210	175
Unit 3	210	210
Unit 4	210	195
Unit 5	500	425
Unit 6	500	460
Unit 7	500	450
	2340	2080
Paras		
Unit 2	55	25
Unit 3	250	250
	305	275
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	200
Unit 4	210	200
	840	800
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	200
Unit 4	210	200
Unit 5	210	200
	870	790
Uran		
All Units	852	650
	852	650
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	40
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	15
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	265
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	300
RGPL III	740	
	1480	300
Tata		
Trombay 4	150	100
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	80
Trombay 7B	60	80
TATA Hydro	444	447
	1774	1707
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3149
	3143	3149