



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Jan/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Jan/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.670	2506.916	1) Madhya Pradesh	71.586	1391.750
2) Hydro	13.658	196.228	2) Gujrat	18.380	323.174
3) Gas	11.919	235.456	3) Goa	-5.687	-113.659
Total MSGENCO	142.247	2938.600	4) TAPS 1&2 (Inj.)	6.459	89.815
B) OTHERS			5) Pench (Excess)	0.073	0.077
1) RGPPL Gas	12.511	302.687	# Total Cent. Sector	90.811	1691.157
2) Wind Generation	2.604	58.711	F) Other Exchanges		
3) PENCH (MS)	0.000	0.403	1) With TPCL	-9.469	-62.878
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	17.807	479.293	1) MSEDCL Bilateral	10.226	227.792
2) TPCL Hydro	5.174	79.316	Include PX	3.101	67.538
TOTAL TPCL	22.981	558.609	2) MUMBAI Bilateral	9.619	75.493
3) REL Thermal	12.665	245.648	Include PX	3.354	24.425
D) STATE			3) MUMBAI Schedule	9.619	75.493
1) Thermal (A1+C1+C3)	147.142	3231.857	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	18.832	275.947	1) MSEDCL	238.704	4929.083
3) Gas (A3+B1)	24.430	538.143	2) TPCL	30.188	581.515
4) Wind (B2)	2.604	58.711	3) REL	14.928	285.607
TOTAL STATE	193.008	4104.658	TOTAL STATE	283.820	5796.205

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4892	5033	4467
MSGENCO Hydro	645	1206	219
MSGENCO Gas	503	494	474
MSGENCO Total Generation	6040	6733	5160
Central Sector Receipt	3997	3969	3415
RGPPL	560	526	566
WIND	108	96	119
Exchange with TPCL	-415	-487	-91
MSEDCL DEMAND MET	10290	10837	9169
Load Shedding	4007	3579	0
MSEDCL DEMAND (INCL. LS)	14297	14416	9169
TPCL GENERATION	1121	1197	650
REL GENERATION	527	522	530
TPCL+REL DEMAND	2063	2206	1271
STATE DEMAND MET	12353	13043	10440
STATE DEMAND (INCL. LS)	16360	16622	10440
Frequency (Hz)	49.28	49.48	49.90
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4867 MW At 10.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			79.80 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.31 Hz at 18.02 Hrs	48.9 Hz at 08.46 Hrs	49.49	1.12 % 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 21/Jan/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.59	18.46	79	44	75
Unit 2	1.77	35.66	80	56	70
Unit 3	0.00	23.85	0	0	0
Unit 4	1.74	26.40	80	47	80
Unit 5	3.91	65.60	186	124	150
Unit 6	3.71	74.93	172	133	160
Unit 7	3.95	79.29	184	134	150
	16.67	324.20			685
Bhusawal					
Unit 1	0.48	24.59	25	12	25
Unit 2	3.49	75.72	160	126	150
Unit 3	0.06	88.93	56	0	0
	4.03	189.24			175
Parli					
Unit 1	0.55	12.30	25	21	20
Unit 2	0.56	12.28	26	22	20
Unit 3	0.15	67.79	114	0	0
Unit 4	3.45	71.19	180	93	135
Unit 5	2.29	12.67	127	62	95
Unit 6	4.93	104.33	232	179	230
	11.94	280.55			500
Chandrapur					
Unit 1	3.72	85.05	176	122	170
Unit 2	3.77	81.49	164	144	160
Unit 3	5.09	106.69	214	210	210
Unit 4	4.73	100.96	210	168	180
Unit 5	10.31	207.86	484	349	450
Unit 6	10.20	207.99	450	380	450
Unit 7	10.51	193.79	473	371	425
	48.32	983.83			2045
Paras					
Unit 2	0.58	18.71	27	22	25
Unit 3	4.50	80.74	210	165	175
	5.08	99.45			200
Khaparkheda					
Unit 1	4.74	93.04	210	182	200
Unit 2	4.70	94.16	206	183	200
Unit 3	4.53	94.08	204	170	200
Unit 4	3.95	9.17	178	121	180
	17.92	290.46			780
Nasik					
Unit 1	2.14	46.49	94	82	95
Unit 2	2.15	35.30	97	83	95
Unit 3	0.00	91.63	0	0	0
Unit 4	4.45	91.94	202	159	180
Unit 5	3.97	73.83	178	154	160
	12.70	339.19			530
Uran					
All Units	11.92	235.46	530	472	470
	11.92	235.46			470
Koyna					
Stage 1-2	1.81	35.12	215	40	600
Stage 4	5.68	52.84	762	0	250
Koyna 12&4 Total	7.49	87.96			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.44	18.59	190	0	240
	8.93	106.55			1090
Hydro					
KDPH	0.00	5.53	0	0	0
VTRNA	1.14	19.35	61	0	60
TILLARI	0.37	7.78	61	0	60
BHTGR/VEER	1.18	24.06	49	49	49
BHIRA T.R.	0.18	3.71	45	0	80
RNGR+BHTSA	0.43	8.26	18	18	18
BHANDARDRA	0.86	11.27	36	36	36
ELDARY	0.24	2.47	11	1	0
PAITHAN	0.06	1.01	12	0	0
GHATGHAR	0.25	6.24	120	0	0
	4.72	89.68			303
PENCH (MS)					
Pench (MS)	0.00	0.40	0	0	
	0.00	0.40			
Wind					
MalharPeth	0.16	3.58			
Vankuswadi	0.40	8.56			
ATIT	0.03	0.85			
Kale	0.08	2.97			
Satara	0.13	3.14			
Shirala	0.08	2.43			
K Mahankal	0.01	0.52			
Supa	0.05	1.66			
Vita	0.51	12.26			
Dondaicha	0.73	11.94			
Sakri	0.11	2.15			
Nandurbar	0.08	1.50			
Khadakale	0.14	5.50			
Khaparale	0.09	1.65			
	2.60	58.71			
Dabhol					
RGPP L II	12.51	302.69	567	28	300
RGPP L III		0.00	0	0	
	12.51	302.69			300
Tata					
Trombay 4	3.02	40.82	132	110	100
Trombay 5	11.62	253.08	505	350	500
Trombay 6	0.00	116.83	0	0	0
Trombay 7A	1.83	42.27	123	72	100
Trombay 7B	1.33	26.30	69	54	65
TATA Hydro	5.17	79.32	473	2	447
	22.98	558.61			1212
REL					
1&2	12.66	245.65	530	522	500
	12.66	245.65			500
Cent Sect					
Share					3832
					3832

MS	Thermal+Gas	128.59	2742.37		5385
PG	Hydro	13.66	196.23		1393
CL	Total	142.25	2938.60		6778
State Total		193.01	4104.66		12622

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/Jan/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	4697	219	477	5393	567	109	3050	3381	-114	-113	9337	0	9337	1371	10708	49.71
2	4541	214	475	5230	566	129	3050	3507	-114	-112	9320	0	9320	1246	10566	49.85
3	4467	219	474	5160	566	119	3050	3415	-114	-91	9169	0	9169	1271	10440	49.90
4	4515	229	473	5217	564	131	3050	3622	-114	-83	9451	196	9647	1313	10960	49.81
5	4639	214	472	5325	557	156	3046	3431	-110	-79	9390	1779	11169	1317	12486	49.84
6	4775	294	510	5579	557	178	3112	3398	-105	-75	9637	2422	12059	1340	13399	49.37
7	4947	269	530	5746	559	167	3100	3122	-129	-99	9495	3456	12951	1492	14443	49.33
8	5006	219	529	5754	561	183	3525	3386	-179	-147	9737	3725	13462	1598	15060	49.24
9	4933	252	525	5710	560	158	3620	3742	-297	-266	9904	3893	13797	1780	15577	49.25
10	4892	645	503	6040	560	108	3617	3997	-435	-415	10290	4007	14297	2063	16360	49.28
11	4905	709	502	6116	547	84	3659	4021	-561	-541	10227	3801	14028	2268	16296	49.34
12	4866	686	495	6047	533	76	4005	4237	-608	-588	10305	4076	14381	2315	16696	49.34
13	4876	812	489	6177	532	49	4051	4243	-679	-661	10340	4046	14386	2302	16688	49.28
14	4875	952	487	6314	528	37	4027	4224	-656	-675	10428	4029	14457	2225	16682	49.43
15	4951	828	486	6265	521	35	4026	4125	-658	-677	10269	3961	14230	2285	16515	49.50
16	4989	785	485	6259	522	33	4026	4041	-658	-677	10178	3902	14080	2283	16363	49.48
17	4955	864	488	6307	524	37	4044	4010	-658	-677	10201	3769	13970	2270	16240	49.44
18	4995	1081	492	6568	526	62	4017	3975	-646	-664	10467	3525	13992	2225	16217	49.52
19	5033	1206	494	6733	526	96	3862	3969	-475	-487	10837	3579	14416	2206	16622	49.48
20	5033	1053	498	6584	28	97	3507	4014	-473	-485	10238	3802	14040	2234	16274	49.44
21	5055	712	504	6271	527	120	3510	4037	-473	-487	10468	3433	13901	2158	16059	49.47
22	4963	607	505	6075	528	129	3549	3904	-510	-522	10114	3427	13541	2033	15574	49.42
23	4862	369	510	5741	526	129	3526	3655	-482	-495	9556	3111	12667	1817	14484	49.56
24	4900	220	516	5636	526	181	3325	3355	-372	-353	9345	1312	10657	1703	12360	49.59
MUs	116.67	13.66	11.92	142.25	12.51	2.60	85.35	90.81	-9.62	-9.47	238.70	69.25	307.95	45.12	353.07	49.49

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 21/Jan/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		Continued.	Capital overhaul	17/02/2009
Koradi Unit 3	105	18/01/2009	04.39		Continued.	Annual Overhaul	13/02/2009
Koyna Unit 12	80	20/01/2009	00.00		Continued.	Maintenance work	05/02/2009
Koyna ST-IV 1	250	20/01/2009	22:00		Continued.	Annual Overhaul	20/02/2009
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	15/02/2009
Dabhol 3X	290	19/11/2008	19.58		Continued.	W/dn	15/02/2009
Uran Unit 5	108	15/01/2009	13:25	21/01/2009	23.50	Gas Restriction	
Nasik Unit 3	210	20/01/2009	11.10		Continued.	Boiler Tube Leakage	22/01/2009
Bhusawal Unit 3	210	21/01/2009	00.25		Continued.	Heavy Bonnet Leakage.	24/01/2009
Parli Unit 3	210	21/01/2009	01.40		Continued.	Boiler Tube Leakage	24/01/2009
Cent_Sect TARAPUR-4	540	21/01/2009	17.10		Continued.	Reactor Problem	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jan/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur-Bhadravati-II	20/01/2009	07.42	21/01/2009	02.53	ANNUAL MAINT. WORK
Padgha-Tarapur CKT I	21/01/2009	08.19	21/01/2009	20.35	Maintenance work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudshingi-Ponda	21/01/2009	08.58	21/01/2009	11.15	Q.M. WORK
Voltage Level : 400KV			Outage Type HAND TRIPPED		
DHULE-SAR'SAROVAR-I	17/01/2009	22.16		Continued.	H/T FOR O/V
Kolhapur-Mapusa Ckt I	19/01/2009	22.48	21/01/2009	09.46	H/T FOR O/V
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV B.C.at Kalwa	19/01/2009	09.25		Continued.	Breaker Replacement
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 150MVA ICT-II at Dhule	01/01/2009	11.10		Continued.	O/H (1 month outage)
M.B. II at Talangde S/S.	19/01/2009	10:55	21/01/2009	14:58	Isolator Maintaince Work.
Lamboti-Bale-I	21/01/2009	10.45	21/01/2009	13.28	R.M. Work
Karad-M'peth	21/01/2009	11.30	21/01/2009	19.49	Replacement of Isotator
Lamboti-Bale-II	21/01/2009	15.05	21/01/2009	16.55	R.M. Work

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Jan/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	0
Unit 4	105	80
Unit 5	200	160
Unit 6	210	160
Unit 7	210	160
	1040	700
Bhusawal		
Unit 1	58	50
Unit 2	210	170
Unit 3	210	0
	478	220
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	0
Unit 4	210	190
Unit 5	210	135
Unit 6	250	175
	940	540
Chandrapur		
Unit 1	210	170
Unit 2	210	160
Unit 3	210	210
Unit 4	210	170
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2060
Paras		
Unit 2	55	20
Unit 3	250	200
	305	220
Khaparkheda		
Unit 1	210	180
Unit 2	210	185
Unit 3	210	165
Unit 4	210	175
	840	705
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	0
Unit 4	210	200
Unit 5	210	200
	870	590
Uran		
All Units	852	550
	852	550
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	49
BHIRA T.R.	80	40
RNGR+BHTSA	20	18
BHANDARDRA	45	36
ELDARY	23	15
PAITHAN	12	12
GHATGHAR	250	0
	611	290
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	140
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	100
Trombay 7B	60	60
TATA Hydro	444	447
	1774	1247
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3489
	3143	3489

	17146	12501
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