



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Jun/2009

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.833	2359.188	1) Madhya Pradesh	45.687	1355.551
2) Hydro	4.310	252.998	2) Gujrat	21.889	297.539
3) Gas	14.627	303.407	3) Goa	-5.596	-123.975
Total MSGENCO	133.770	2915.593	4) TAPS 1&2 (Inj.)	3.643	124.852
B) OTHERS			5) Pench (Excess)	-0.133	-2.575
1) RGPPL Gas	22.189	460.458	# Total Cent. Sector	65.490	1651.392
2) Wind Generation	6.199	284.801	F) Other Exchanges		
3) PENCH (MS)	0.133	2.575	1) With TPCL	-2.950	-162.942
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	28.225	641.964	1) MSEDCL Bilateral	11.543	194.625
2) TPCL Hydro	1.363	83.789	Include PX	0.000	4.633
TOTAL TPCL	29.588	725.753	2) MUMBAI Bilateral	3.107	167.592
3) REL Thermal	12.619	264.120	Include PX	0.739	52.916
D) STATE			3) MUMBAI Schedule	3.107	168.992
1) Thermal (A1+C1+C3)	155.677	3265.272	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	5.806	339.362	1) MSEDCL	224.831	5154.452
3) Gas (A3+B1)	36.816	763.865	2) TPCL	29.111	761.188
4) Wind (B2)	6.199	284.801	3) REL	16.045	391.601
TOTAL STATE	204.498	4653.300	TOTAL STATE	269.987	6307.241

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 22 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4797	4727	4755
MSGENCO Hydro	110	762	81
MSGENCO Gas	635	550	645
MSGENCO Total Generation	5542	6039	5481
Central Sector Receipt	2940	3044	2298
RGPPL	921	925	928
WIND	232	312	84
Exchange with TPCL	-29	-231	-44
MSEDCL DEMAND MET	9606	10113	8747
Load Shedding	173	1617	360
MSEDCL DEMAND (INCL. LS)	9779	11730	9107
TPCL GENERATION	1316	1361	1154
REL GENERATION	525	526	526
TPCL+REL DEMAND	1870	2118	1724
STATE DEMAND MET	11476	12231	10471
STATE DEMAND (INCL. LS)	11649	13848	10831
Frequency (Hz)	49.41	49.22	49.25
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			1923 MW AT 22.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			13.27 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.26 Hz at 18.05 Hrs	48.94 Hz at 21.22 Hrs	49.46	.15 % 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/Jun/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.85	22.43	78	76	75
Unit 2	0.00	8.73	0	0	0
Unit 3	0.00	19.45	0	0	0
Unit 4	1.55	15.84	77	45	70
Unit 5	3.92	79.33	178	145	170
Unit 6	3.64	49.64	168	130	130
Unit 7	4.06	83.30	196	139	170
	15.01	278.73			615
Bhusawal					
Unit 1	1.22	24.32	54	47	50
Unit 2	3.98	80.87	174	151	170
Unit 3	4.15	87.44	175	170	175
	9.35	192.63			395
Parli					
Unit 1	0.51	11.26	22	20	20
Unit 2	0.60	11.05	28	23	20
Unit 3	3.44	68.84	155	132	150
Unit 4	3.75	78.98	163	150	150
Unit 5	4.08	85.28	180	158	175
Unit 6	0.00	0.58	0	0	0
	12.38	256.00			515
Chandrapur					
Unit 1	4.21	85.06	179	172	170
Unit 2	3.91	81.73	165	159	165
Unit 3	4.54	91.12	206	179	210
Unit 4	1.61	69.27	75	64	80
Unit 5	10.36	195.73	457	382	450
Unit 6	9.64	179.48	430	370	440
Unit 7	10.04	211.31	455	394	450
	44.31	913.70			1965
Paras					
Unit 2	1.00	11.62	48	20	45
Unit 3	4.30	93.79	189	171	180
	5.30	105.40			225
Khaparkheda					
Unit 1	3.95	88.22	175	161	160
Unit 2	3.92	82.58	168	158	160
Unit 3	4.14	82.47	181	162	160
Unit 4	3.94	89.08	170	160	160
	15.94	342.34			640
Nasik					
Unit 1	2.00	35.46	92	60	90
Unit 2	1.39	20.32	76	40	90
Unit 3	0.00	30.08	0	0	0
Unit 4	4.67	93.97	203	190	200
Unit 5	4.50	90.54	193	178	190
	12.55	270.39			570
Uran					
All Units	14.63	303.41	649	466	650
	14.63	303.41			650
Koyna					
Stage 1-2	1.52	55.18	220	40	600
Stage 4	0.34	120.25	296	0	250
Kovna 12&4 Total	1.86	175.44			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.64	38.31	240	0	320
	2.50	213.75			1170
Hydro					
KDPH	0.38	5.72	16	15	36
VTRNA	0.43	7.37	61	0	60
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.15	5.58	7	6	12
BHIRA T.R.	0.16	4.35	61	0	80
RNGR+BHTSA	0.24	5.47	10	10	10
BHANDARDRA	0.21	3.84	10	8	12
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.89	0	0	0
GHATGHAR	0.25	6.02	120	0	0
	1.81	39.25			210
PENCH (MS)					
Pench (MS)	0.13	2.58	24	0	
	0.13	2.58			
Wind					
MalharPeth	0.13	8.20			
Vankuswadi	0.40	19.61			
ATIT	0.12	3.92			
Kale	0.05	2.08			
Satara	0.36	12.57			
Shirala	0.17	6.25			
K Mahankal	0.05	5.00			
Supa	0.06	4.14			
Vita	1.30	34.50			
Dondaicha	2.12	122.03			
Sakri	0.37	22.00			
Nandurbar	0.73	18.92			
Khadakale	0.25	13.11			
Khaparale	0.10	12.48			
	6.20	284.80			
Dabhol					
RGPP L II	22.19	460.46	929	913	880
RGPP L III		0.00	0	0	
	22.19	460.46			880
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.98	254.14	505	460	500
Trombay 6	8.24	234.56	490	0	500
Trombay 7A	2.94	60.46	124	121	120
Trombay 7B	1.61	33.59	68	67	60
Trombay 8	3.44	59.22	147	132	150
TATA Hydro	1.36	83.79	384	0	447
	29.59	725.75			1777
REL					
1&2	12.62	264.12	528	524	500
	12.62	264.12			500
Cent Sect					
Share					3123
					3123

MS PG CL	Thermal	114.83	2359.19		4925
	Thml+Gas	129.46	2662.60		5575
	Hydro	4.31	253.00		1380
	Total	133.77	2915.59		6955
State Total		204.50	4653.30		13235

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/Jun/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	MUMBAI		MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	MUMBAI DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS						SCH.	EXCH.						
1	4719	91	607	5417	928	121	3349	2863	-438	-411	8918	297	9215	2102	11317	49.32
2	4732	106	607	5445	928	81	3076	2929	-297	-266	9117	297	9414	1865	11279	49.40
3	4750	83	621	5454	929	83	2877	2621	-156	-118	8969	297	9266	1777	11043	49.42
4	4736	96	649	5481	929	87	2808	2393	-85	-42	8848	350	9198	1707	10905	49.37
5	4755	81	645	5481	928	84	2800	2298	-77	-44	8747	360	9107	1724	10831	49.25
6	4821	81	649	5551	927	96	2809	2539	-85	-45	9068	363	9431	1705	11136	49.34
7	4913	116	638	5667	929	157	2703	2226	22	66	9045	319	9364	1613	10977	49.47
8	4931	147	643	5721	926	257	2736	2196	95	138	9238	0	9238	1620	10858	49.50
9	4920	144	646	5710	925	341	2733	2359	95	138	9473	0	9473	1630	11103	49.59
10	4865	174	643	5682	924	265	2863	2638	61	97	9606	0	9606	1708	11314	49.52
11	4817	130	645	5592	922	250	2941	2871	-19	13	9648	0	9648	1831	11479	49.56
12	4797	110	635	5542	921	232	2706	2940	-61	-29	9606	173	9779	1870	11649	49.41
13	4776	81	635	5492	913	283	2731	2793	-99	-68	9413	1215	10628	1908	12536	49.49
14	4772	90	623	5485	922	314	2690	2640	-77	-64	9321	1383	10704	1886	12590	49.42
15	4742	90	624	5456	920	279	2704	2569	-149	-126	9107	1585	10692	1946	12638	49.32
16	4739	79	633	5451	924	284	2697	2678	-149	-133	9204	1472	10676	1979	12655	49.57
17	4722	84	628	5434	923	331	2690	2678	-149	-143	9223	1474	10697	1939	12636	49.59
18	4733	83	560	5376	924	499	2816	2828	-102	-305	9322	1381	10703	1812	12515	49.78
19	4813	160	588	5561	924	504	2843	2591	-78	-272	9319	1554	10873	1942	12815	49.80
20	4839	175	599	5613	923	459	2975	3180	-178	-269	9930	1772	11702	2095	13797	49.68
21	4742	395	606	5743	923	342	3086	3206	-277	-235	10003	1647	11650	2146	13796	49.35
22	4727	762	550	6039	925	312	3031	3044	-271	-231	10113	1617	11730	2118	13848	49.22
23	4750	520	483	5753	925	303	3201	3232	-306	-313	9917	1173	11090	2120	13210	49.26
24	4709	432	466	5607	927	239	3237	3168	-329	-288	9653	907	10560	2114	12674	49.33
MUs	114.82	4.31	14.62	133.75	22.19	6.20	69.10	65.48	-3.11	-2.95	224.81	19.64	244.44	45.16	289.60	49.46

NOTE : ALL VALUES IN MW

MUMBAI Sch./Net Exch is shown with reference to MSETCL System. (+) indicates MUMBAI to MSETCL and (-) indicates MSETCL to MUMBAI. MUMBAI Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 21/Jun/2009

Position as on 6.30 Hrs of 22/Jun/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-10)	500	25/05/2009	08.50		Continued.	Capital overhaul	26/06/2009
Cent_Sect NTPC(K-3)	210	01/06/2009	00.00		Continued.	Annual Overhaul	06/07/2009
Nasik Unit 3	210	07/06/2009	21.37		Continued.	Capital overhaul	18/07/2009
Cent_Sect Tarapur 2	80	16/06/2009	22:10		Continued.	Refueling Outage.	30/07/2009
Koyna Unit 10	80	20/06/2009	08.00		Continued.	Water Leakage.	
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	01/07/2009
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	25/06/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	09/04/2009	02.10		Continued.	W/dn	
Parli Unit 6	250	03/06/2009	06.35		Continued.	Bearing Vibration.	30/06/2009
Cent_Sect Kawas ST1C	116	03/06/2009	16:33		Continued.	Bearing Temp. High	30/06/2009
Koradi Unit 2	105	07/06/2009	08:19		Continued.	ID Fan Problem	26/06/2009
Koradi Unit 3	105	17/06/2009	20:36		Continued.	Boiler Tube Leakage	22/06/2009
Uran Unit 3	60	20/06/2009	11.15		Continued.	Gas Restriction	
Cent_Sect NTPC(K-1)	210	20/06/2009	13:07	21/06/2009	19.58	Boiler Tube Leakage	
Tata Trombay 6	500	21/06/2009	17.21	21/06/2009	19.36	External Fault.	

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

Position as on 6.30 Hrs of 22/Jun/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	20/06/2009	18:12		Continued.	H/T to Control H/V at Dhule.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-I	19/06/2009	16:13		Continued.	3 Tower Collapsed.
Dhule-Khandwa-II	19/06/2009	16:13		Continued.	3 Tower Collapsed.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 Kv Spare ICT at BBLR	18/06/2009	11.02		Continued.	Fitting of Baloon.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
125MV ICT 3 @TROMBAY	21/06/2009	09.10	21/06/2009	16.36	Shifting of 11 KV Control from Control Room.
Aurangabad-Padegaon CKT-II	21/06/2009	09.30	21/06/2009	12.00	To attend hot spot
220 KV TBC @ Aurangabad	21/06/2009	12.30	21/06/2009	17.30	To Attended B Ph C.T.as Noise Observed.
220/100 125 MVA ICT - II @ Trombay	21/06/2009	16.41	21/06/2009	18.40	Shifting of 11 KV Control from Control Room.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhusawal - Muktainagar	18/06/2009	11.41		Continued.	Breaker Replacement
Bhandara-Madgi CKT.II	18/06/2009	13.40		Continued.	Breaker Replacement
Malegaon-Mehekar Ckt.	18/06/2009	15.30		Continued.	Relay Retrofitting Work.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha--Dhamangaon	19/06/2009	11.44		Continued.	H/T to control voltage at Akola.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 315MVA ICT-I at Kharghar	21/06/2009	14.02	21/06/2009	16.30	Tripped on NDR
Voltage Level : 220KV			Outage Type TRIPPED		
Parbhani-Parli	20/06/2009	16.19	21/06/2009	01.26	Distance Protection
Uran-Kharghar-II	20/06/2009	18.18	21/06/2009	15.16	Distance Protection
Nasik-Bablsr Ckt II	20/06/2009	21.07	21/06/2009	04.25	Distance Protection
BBLSR-RANJANGAON	20/06/2009	22.02	21/06/2009	14.20	Distance Protection
220/132 KV 150 MVA ICT-I at Dhule	20/06/2009	23:50	21/06/2009	13.45	Tripped on OLTC Buchhloz.
220/132 KV 100 MVA ICT - I @ Amalner	21/06/2009	07.05	21/06/2009	07.45	Tripped on Differential on Jerk.
Kandalgaon-Khargar	21/06/2009	12.19	21/06/2009	12.45	Distance Protection
BBLSWR-AIEPHATA	21/06/2009	12.38	21/06/2009	13.57	Distance Protection
Trombay - Salsett - I	21/06/2009	17.21	22/06/2009	01.10	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Boiser - Palghar - II	20/06/2009	17.55	21/06/2009	10.09	Tripped on Bus Fault
Giravli-Latur	21/06/2009	20.31	21/06/2009	20.45	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Jun/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	0
Unit 3	105	0
Unit 4	105	75
Unit 5	200	150
Unit 6	210	160
Unit 7	210	130
	1040	595
Bhusawal		
Unit 1	58	50
Unit 2	210	170
Unit 3	210	170
	478	390
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	150
Unit 4	210	150
Unit 5	210	175
Unit 6	250	0
	940	515
Chandrapur		
Unit 1	210	170
Unit 2	210	165
Unit 3	210	210
Unit 4	210	70
Unit 5	500	450
Unit 6	500	440
Unit 7	500	430
	2340	1935
Paras		
Unit 2	55	45
Unit 3	250	165
	305	210
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
	840	640
Nasik		
Unit 1	120	90
Unit 2	120	70
Unit 3	210	0
Unit 4	210	200
Unit 5	210	190
	870	550
Uran		
All Units	852	620
	852	620
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	18
VTRNA	60	60
TILLARI	60	0
BHTGR/VEER	21	8
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	12
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	188
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		
RGPPPL II	960	877
RGPPPL III	740	
	1700	877
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	150
TATA Hydro	444	447
	2024	1777
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3180
	3143	3180

	17616	13067
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