



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Jul/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Jul/2009 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	92.715	1457.931	1) Madhya Pradesh	42.204	649.072
2) Hydro	4.839	74.207	2) Gujrat	21.723	264.996
3) Gas	14.401	166.823	3) Goa	-5.039	-73.470
Total MSGENCO	111.955	1698.961	4) TAPS 1&2 (Inj.)	3.588	51.398
B) OTHERS			5) Pench (Excess)	-0.143	-2.131
1) RGPPL Gas	22.315	309.485	# Total Cent. Sector	62.333	889.865
2) Wind Generation	17.609	179.031	F) Other Exchanges		
3) PENCH (MS)	0.143	2.131	1) With TPCL	-4.781	-70.192
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.210	391.175	1) MSEDCL Bilateral	-0.390	45.351
2) TPCL Hydro	2.531	33.670	Include PX	0.000	1.086
TOTAL TPCL	29.741	424.845	2) MUMBAI Bilateral	5.098	61.970
3) REL Thermal	12.681	162.203	Include PX	2.916	23.835
D) STATE			3) MUMBAI Schedule	5.098	71.400
1) Thermal (A1+C1+C3)	132.606	2011.309	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	7.513	110.008	1) MSEDCL	209.574	3011.412
3) Gas (A3+B1)	36.716	476.308	2) TPCL	31.347	434.067
4) Wind (B2)	17.609	179.031	3) REL	15.855	223.181
TOTAL STATE	194.444	2776.656	TOTAL STATE	256.776	3668.660

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3732	3985	3715
MSGENCO Hydro	218	581	55
MSGENCO Gas	603	623	604
MSGENCO Total Generation	4553	5189	4374
Central Sector Receipt	2659	2562	2286
RGPPL	928	930	933
WIND	711	1092	660
Exchange with TPCL	-290	-141	29
MSEDCL DEMAND MET	8561	9655	8282
Load Shedding	1393	1642	0
MSEDCL DEMAND (INCL. LS)	9954	11297	8282
TPCL GENERATION	1645	1502	846
REL GENERATION	527	527	530
TPCL+REL DEMAND	2462	2170	1347
STATE DEMAND MET	11023	11825	9629
STATE DEMAND (INCL. LS)	12416	13467	9629
Frequency (Hz)	49.44	49.42	50.11
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			1494 MW At 09.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			16.99 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.29 Hz at 03.12 Hrs	48.89 Hz at 14.21 Hrs	49.63	.5 % 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 14/Jul/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.22	13.91	80	14	30
Unit 2	0.03	1.47	20	0	0
Unit 3	0.03	16.30	28	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.29	34.74	162	105	130
Unit 6	3.21	47.85	162	104	120
Unit 7	3.22	32.43	160	102	130
	10.99	146.69			410
Bhusawal					
Unit 1	0.92	14.43	53	26	45
Unit 2	3.37	47.45	159	112	160
Unit 3	3.51	53.50	166	119	160
	7.80	115.38			365
Parli					
Unit 1	0.49	6.74	22	18	20
Unit 2	0.59	7.92	26	23	20
Unit 3	0.00	32.00	0	0	0
Unit 4	3.69	49.21	166	142	150
Unit 5	4.03	54.24	180	155	160
Unit 6	0.00	0.00	0	0	0
	8.81	150.10			350
Chandrapur					
Unit 1	3.90	52.92	168	148	160
Unit 2	3.65	51.21	155	148	150
Unit 3	4.30	59.86	196	155	180
Unit 4	4.28	58.89	197	158	180
Unit 5	8.60	131.29	405	320	400
Unit 6	0.00	114.04	0	0	0
Unit 7	9.24	130.56	442	336	430
	33.97	598.77			1500
Paras					
Unit 2	0.95	12.43	44	32	40
Unit 3	4.67	63.04	217	152	200
	5.62	75.47			240
Khaparkheda					
Unit 1	3.90	58.82	170	146	160
Unit 2	3.90	54.42	177	154	160
Unit 3	4.00	59.47	178	156	160
Unit 4	4.01	59.23	174	159	160
	15.82	231.94			640
Nasik					
Unit 1	0.00	8.17	0	0	0
Unit 2	1.50	16.22	86	44	60
Unit 3	0.26	0.26	57	0	0
Unit 4	4.09	60.68	178	162	180
Unit 5	3.86	54.24	176	149	160
	9.71	139.58			400
Uran					
All Units	14.40	166.82	634	518	600
	14.40	166.82			600
Koyna					
Stage 1-2	1.48	20.20	160	35	600
Stage 4	0.11	16.72	87	0	250
Kovna 12&4 Total	1.58	36.92			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.30	15.43	272	0	320
	2.88	52.35			1170
Hydro					
KDPH	0.00	1.21	0	0	0
VTRNA	0.00	3.70	0	0	60
TILLARI	0.89	6.86	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.53	3.18	82	0	40
RNGR+BHTSA	0.24	3.01	10	10	10
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.30	3.90	125	0	0
	1.96	21.86			170
PENCH (MS)					
Pench (MS)	0.14	2.13	24	0	
	0.14	2.13			
Wind					
MalharPeth	1.00	9.31			
Vankuswadi	2.25	20.84			
ATIT	0.43	4.72			
Kale	0.26	4.28			
Satara	2.00	12.94			
Shirala	0.88	8.00			
K Mahankal	0.14	4.52			
Supa	0.49	3.28			
Vita	4.14	46.66			
Dondaicha	3.32	37.89			
Sakri	0.52	5.97			
Nandurbar	0.34	5.05			
Khadakale	1.10	9.61			
Khaparale	0.74	5.95			
	17.61	179.03			
Dabhol					
RGPP L II	22.32	309.48	933	926	887
RGPP L III		0.00	0	0	
	22.32	309.48			887
Tata					
Trombay 4	0.00	0.04	0	0	0
Trombay 5	11.54	150.80	505	425	500
Trombay 6	9.22	143.52	510	150	500
Trombay 7A	2.61	40.36	129	90	120
Trombay 7B	0.00	6.13	0	0	0
Trombay 8	3.85	50.32	200	122	200
TATA Hydro	2.53	33.67	364	4	375
	29.74	424.84			1695
REL					
1&2	12.68	162.20	531	526	500
	12.68	162.20			500
Cent Sect					
Share					2714
					2714

MS PG CL	Thermal	92.72	1457.93		3905
	Thml+Gas	107.12	1624.75		4505
	Hydro	4.84	74.21		1340
	Total	111.96	1698.96		5845
State Total		194.44	2776.66		11641

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/Jul/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	3697	50	581	4328	932	687	2456	2531	9	28	8506	0	8506	1599	10105	50.00
2	3689	50	572	4311	933	733	2456	2473	9	29	8479	0	8479	1454	9933	49.96
3	3713	50	573	4336	932	715	2458	2268	9	31	8282	0	8282	1407	9689	50.01
4	3715	55	604	4374	933	660	2458	2286	9	29	8282	0	8282	1347	9629	50.11
5	3704	60	608	4372	931	658	2458	2419	9	31	8411	0	8411	1368	9779	49.82
6	3822	90	612	4524	929	666	2452	2597	9	27	8743	471	9214	1414	10628	49.45
7	3896	55	627	4578	930	621	2418	2688	9	21	8838	983	9821	1574	11395	49.72
8	3919	87	630	4636	930	617	2401	2600	9	20	8803	1021	9824	1732	11556	49.74
9	3861	122	629	4612	928	658	2528	2687	-169	-158	8727	1330	10057	1945	12002	49.55
10	3812	193	618	4623	929	729	2645	2587	-254	-289	8579	1452	10031	2257	12288	49.59
11	3732	218	603	4553	928	711	2647	2659	-254	-290	8561	1393	9954	2462	12416	49.44
12	3814	303	542	4659	928	596	2688	2713	-301	-340	8556	1225	9781	2550	12331	49.31
13	3878	247	518	4643	926	602	2869	2762	-489	-522	8426	1225	9651	2473	12124	49.56
14	3957	117	596	4670	929	664	2890	2531	-489	-524	8293	1200	9493	2385	11878	49.73
15	3969	213	558	4740	927	639	2942	2641	-536	-519	8452	803	9255	2307	11562	49.36
16	3974	227	557	4758	931	687	2931	2644	-524	-477	8543	614	9157	2226	11383	49.53
17	3949	113	585	4647	929	738	2896	2740	-489	-502	8552	348	8900	2225	11125	49.60
18	3948	148	634	4730	930	840	2925	2981	-517	-471	9010	157	9167	2148	11315	49.59
19	3951	308	631	4890	929	982	2629	2778	-189	-170	9419	562	9981	2157	12138	49.60
20	3985	670	624	5279	929	964	2615	2587	-189	-145	9638	1654	11292	2167	13459	49.49
21	3985	581	623	5189	930	1092	2614	2562	-189	-141	9655	1642	11297	2170	13467	49.42
22	3970	454	627	5051	931	780	2604	2596	-189	-141	9241	1582	10823	2050	12873	49.54
23	3916	259	625	4800	930	805	2728	2602	-292	-247	8890	968	9858	2014	11872	49.49
24	3859	169	624	4652	931	765	2542	2401	-105	-61	8688	776	9464	1772	11236	49.52
MUs	92.72	4.84	14.40	111.96	22.32	17.61	63.25	62.33	-5.10	-4.78	209.57	19.41	228.98	47.20	276.18	49.63

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 14/Jul/2009

Position as on 6.30 Hrs of 15/Jul/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.	Stator Earth Fault	31/03/2010
Parli Unit 6	250	03/06/2009	06.35		Continued.	Stator Earth Fault	20/07/2009
Nasik Unit 3	210	07/06/2009	21.37	14/07/2009	17.40	Stator Earth Fault	
Cent_Sect Tarapur 2	80	16/06/2009	22:10		Continued.	Stator Earth Fault	30/07/2009
Koyna ST - IV 4	250	10/07/2009	06.09		Continued.	Stator Earth Fault	18/07/2009
Parli Unit 3	210	10/07/2009	13.43		Continued.	Stator Earth Fault	18/07/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Stator Earth Fault	
Uran Unit 2	60	04/10/2008	19.00		Continued.	Stator Earth Fault	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Stator Earth Fault	25/07/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	Stator Earth Fault	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Stator Earth Fault	
Cent_Sect Kawas ST1C	116	03/06/2009	16:33		Continued.	Stator Earth Fault	27/07/2009
Koradi Unit 4	115	28/06/2009	14.18		Continued.	Stator Earth Fault	18/07/2009
Tata Trombay 4	150	01/07/2009	00:46		Continued.	Stator Earth Fault	
Tata Trombay 7B	60	04/07/2009	21.12		Continued.	Stator Earth Fault	10/08/2009
Nasik Unit 1	125	05/07/2009	06.15		Continued.	Stator Earth Fault	16/07/2009
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Koradi Unit 2	105	08/07/2009	14:14	14/07/2009	22.45	Stator Earth Fault	
Chandrapur Unit 6	500	13/07/2009	23.09	15/07/2009	06.02	Stator Earth Fault	
Koradi Unit 3	105	14/07/2009	01.06		Continued.	Stator Earth Fault	18/07/2009
Cent_Sect NTPC(V-2)	210	14/07/2009	07.48		Continued.	Stator Earth Fault	17/07/2009
Nasik Unit 3	210	15/07/2009	00.30	15/07/2009	02.20	Stator Earth Fault	
Uran Unit 7	108	15/07/2009	02.16		Continued.	Stator Earth Fault	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jul/2009

Position as on 6.30 Hrs of 15/Jul/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	01/07/2009	09.12		Continued.	H/T FOR O/V
AKOLA-WARDHA--I	09/07/2009	06:32		Continued.	H/T FOR O/V
DHULE-SAR'SAROVAR-I	13/07/2009	23.05	14/07/2009	13.48	Hand Tripped to Control O/V.
Kolhapur-Mapusa Ckt I	13/07/2009	23.45	14/07/2009	08.30	Hand Tripped to Control O/V.
Dhule-Sar'Sarovar II	14/07/2009	23.44		Continued.	H/T FOR O/V
Kolhapur-Mapusa-II	15/07/2009	03.00		Continued.	H/T FOR O/V
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.
Voltage Level : 220KV			Outage Type TRIPPED		
TILLARY-PHONDA	14/07/2009	05.45	14/07/2009	08.10	Distance Protection
Ponda - Mudshingi	14/07/2009	05.45		Continued.	Dist.Prot.B phase decaping at loc.no.418
MUDSHINGI-CHIKODI	14/07/2009	21.25	14/07/2009	22.17	Tripped on Distance protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
C'pur-Parli II	10/07/2009	14.50		Continued.	Main Breaker Prob.Line on TBC at Parli
Koradi-Chandrapur	13/07/2009	22.37		Continued.	Main Breaker prob.Line on TBC at C'Pur
400/220KV 315MVA ICT-I at Kharghar	14/07/2009	09.40	14/07/2009	16.38	Q.M. WORK
400/132KV,200 MVA ICT-II at Bhusawal	14/07/2009	11.05	14/07/2009	18.10	Q.M. WORK
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Nasik-Bablsr Ckt I	09/07/2009	09:45		Continued.	CKT on TBC,for Main Breaker Replacement.
220/132 KV,63 MVA,ICT-2 at Lonand.	10/07/2009	12.10		Continued.	HV C.B.Repl.(ICT is on TBC)
Jejuri I-Jejuri II	13/07/2009	09.47	14/07/2009	14.10	Retrofitting of Distance Protection Relay.
Lonand - Baramati	14/07/2009	15.00	14/07/2009	16.20	Retrofitting work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Akola - Paras-II	13/07/2009	09.15	14/07/2009	16.30	Relay Retrofitting Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV,315MVA ICT-II at Kalwa	14/07/2009	14.12	14/07/2009	16.35	Main Buchholz alarm
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 315 MVA ICT at Akola	09/07/2009	11:28		Continued.	LV CB H/T.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Talangade - Mudshingi - I	15/07/2009	03.05		Continued.	Air Compressor Prob.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 315MVA ICT-I at Kharghar	15/07/2009	05.16	15/07/2009	06.11	Winding temp.trip
Voltage Level : 220KV			Outage Type TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jul/2009

Position as on 6.30 Hrs of 15/Jul/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Kalwa - Khargar	14/07/2009	13.50	14/07/2009	13.51	Tripped at Khargar end
Kalwa - Khargar	14/07/2009	19.00		Continued.	Main Breaker Prob.Ckt on TBC at Khargar
Jejuri-Phursungi	15/07/2009	04.27	15/07/2009	05.35	Tripped on Distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
Ambazari - Hingna - I	15/07/2009	02.16	15/07/2009	02.51	Tripped on Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Jul/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	150
Unit 6	210	150
Unit 7	210	150
	1040	590
Bhusawal		
Unit 1	58	45
Unit 2	210	160
Unit 3	210	165
	478	370
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	0
Unit 4	210	150
Unit 5	210	160
Unit 6	250	0
	940	350
Chandrapur		
Unit 1	210	170
Unit 2	210	150
Unit 3	210	190
Unit 4	210	200
Unit 5	500	400
Unit 6	500	200
Unit 7	500	430
	2340	1740
Paras		
Unit 2	55	40
Unit 3	250	200
	305	240
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
	840	640
Nasik		
Unit 1	120	0
Unit 2	120	55
Unit 3	210	70
Unit 4	210	170
Unit 5	210	160
	870	455
Uran		
All Units	852	450
	852	450
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	0
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	210
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	875
RGPPPL III	740	
	1700	875
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	0
Trombay 8	250	200
TATA Hydro	444	447
	2024	1747
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2574
	3143	2574