



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Jul/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Jul/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	94.020	1551.951	1) Madhya Pradesh	39.173	688.245
2) Hydro	5.057	79.264	2) Gujrat	21.822	286.818
3) Gas	13.962	180.785	3) Goa	-6.050	-79.520
Total MSGENCO	113.039	1812.000	4) TAPS 1&2 (Inj.)	3.285	54.683
B) OTHERS			5) Pench (Excess)	-0.061	-2.192
1) RGPPL Gas	22.285	331.770	# Total Cent. Sector	58.169	948.034
2) Wind Generation	15.103	194.134	F) Other Exchanges		
3) PENCH (MS)	0.061	2.192	1) With TPCL	-4.427	-74.619
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	26.935	418.110	1) MSEDCL Bilateral	-0.386	44.965
2) TPCL Hydro	4.046	37.716	Include PX	0.000	1.086
TOTAL TPCL	30.981	455.826	2) MUMBAI Bilateral	4.650	66.620
3) REL Thermal	12.718	174.921	Include PX	2.443	26.278
D) STATE			3) MUMBAI Schedule	4.650	76.050
1) Thermal (A1+C1+C3)	133.673	2144.982	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	9.164	119.172	1) MSEDCL	204.230	3215.703
3) Gas (A3+B1)	36.247	512.555	2) TPCL	32.057	466.124
4) Wind (B2)	15.103	194.134	3) REL	16.070	239.251
TOTAL STATE	194.187	2970.843	TOTAL STATE	252.357	3921.078

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3862	3982	3860
MSGENCO Hydro	312	730	55
MSGENCO Gas	600	630	473
MSGENCO Total Generation	4774	5342	4388
Central Sector Receipt	2419	2605	2289
RGPPL	928	928	932
WIND	509	628	561
Exchange with TPCL	-337	-141	26
MSEDCL DEMAND MET	8293	9382	8196
Load Shedding	692	1821	0
MSEDCL DEMAND (INCL. LS)	8985	11203	8196
TPCL GENERATION	1571	1654	789
REL GENERATION	530	529	529
TPCL+REL DEMAND	2438	2324	1292
STATE DEMAND MET	10731	11706	9488
STATE DEMAND (INCL. LS)	11423	13527	9488
Frequency (Hz)	49.65	49.53	49.92
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			1705 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			7.70 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.13 Hz at 23.57 Hrs	49 Hz at 21.08 Hrs	49.68	0 % 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 15/Jul/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.54	15.44	78	44	70
Unit 2	1.55	3.02	76	29	70
Unit 3	0.00	16.30	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.23	37.97	146	118	150
Unit 6	3.32	51.16	155	125	150
Unit 7	3.42	35.85	156	105	150
	13.06	159.75			590
Bhusawal					
Unit 1	0.75	15.18	44	28	45
Unit 2	2.96	50.41	140	110	160
Unit 3	3.14	56.64	165	45	165
	6.85	122.23			370
Parli					
Unit 1	0.51	7.24	22	20	20
Unit 2	0.59	8.50	26	20	20
Unit 3	0.00	32.00	0	0	0
Unit 4	3.75	52.96	165	149	150
Unit 5	3.76	58.00	175	132	160
Unit 6	0.00	0.00	0	0	0
	8.60	158.70			350
Chandrapur					
Unit 1	3.17	56.09	167	98	170
Unit 2	3.07	54.27	155	102	150
Unit 3	2.40	62.26	166	42	190
Unit 4	1.52	60.41	160	0	200
Unit 5	9.22	140.51	402	359	400
Unit 6	5.75	119.79	410	0	200
Unit 7	9.38	139.94	439	365	430
	34.50	633.27			1740
Paras					
Unit 2	0.87	13.30	41	30	40
Unit 3	4.46	67.50	213	164	200
	5.33	80.80			240
Khaparkheda					
Unit 1	3.94	62.76	170	154	160
Unit 2	3.83	58.25	170	143	160
Unit 3	4.06	63.53	175	162	160
Unit 4	3.93	63.15	174	155	160
	15.75	247.69			640
Nasik					
Unit 1	0.00	8.17	0	0	0
Unit 2	1.53	17.76	84	46	55
Unit 3	0.77	1.03	80	0	70
Unit 4	3.96	64.65	175	150	170
Unit 5	3.67	57.91	166	127	160
	9.94	149.51			455
Uran					
All Units	13.96	180.78	641	473	450
	13.96	180.78			450
Koyna					
Stage 1-2	1.14	21.34	125	30	600
Stage 4	0.55	17.27	259	0	250
Kovna 12&4 Total	1.69	38.62			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.64	17.06	240	0	320
	3.33	55.68			1170
Hydro					
KDPH	0.00	1.21	0	0	0
VTRNA	0.18	3.88	61	0	60
TILLARI	0.63	7.48	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.53	3.70	44	0	80
RNGR+BHTSA	0.24	3.25	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	0.15	4.05	125	0	0
	1.73	23.58			210
PENCH (MS)					
Pench (MS)	0.06	2.19	20	0	
	0.06	2.19			
Wind					
MalharPeth	0.98	10.29			
Vankuswadi	1.87	22.70			
ATIT	0.44	5.16			
Kale	0.25	4.54			
Satara	1.97	14.92			
Shirala	0.78	8.78			
K Mahankal	0.11	4.63			
Supa	0.42	3.71			
Vita	3.68	50.34			
Dondaicha	2.63	40.52			
Sakri	0.28	6.25			
Nandurbar	0.15	5.20			
Khadakale	0.94	10.55			
Khaparale	0.60	6.55			
	15.10	194.13			
Dabhol					
RGPP L II	22.28	331.77	932	915	875
RGPP L III		0.00	0	0	
	22.28	331.77			875
Tata					
Trombay 4	0.00	0.04	0	0	0
Trombay 5	10.43	161.24	505	315	500
Trombay 6	9.36	152.88	510	150	500
Trombay 7A	2.75	43.11	128	90	100
Trombay 7B	0.00	6.13	0	0	0
Trombay 8	4.40	54.71	201	140	200
TATA Hydro	4.05	37.72	385	58	447
	30.98	455.83			1747
REL					
1&2	12.72	174.92	531	529	500
	12.72	174.92			500
Cent Sect					
Share					2574
					2574

MS PG CL	Thermal	94.02	1551.95		4385
	Thml+Gas	107.98	1732.74		4835
	Hydro	5.06	79.26		1380
	Total	113.04	1812.00		6215
State Total		194.19	2970.84		11911

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	3831	50	567	4448	931	666	2366	2173	8	27	8245	0	8245	1599	9844	49.65
2	3786	50	566	4402	930	661	2366	2088	8	29	8110	0	8110	1430	9540	49.64
3	3795	55	550	4400	932	631	2366	2229	8	30	8222	0	8222	1362	9584	49.80
4	3860	55	473	4388	932	561	2351	2289	8	26	8196	0	8196	1292	9488	49.92
5	3873	50	554	4477	931	592	2351	2344	8	26	8370	0	8370	1342	9712	49.77
6	3969	137	549	4655	930	563	2345	2387	8	23	8558	202	8760	1409	10169	49.46
7	4042	195	544	4781	931	518	2345	2379	8	22	8631	949	9580	1569	11149	49.51
8	3955	252	560	4767	930	488	2345	2513	8	21	8719	680	9399	1713	11112	49.72
9	4038	305	617	4960	930	444	2407	2392	-39	-26	8700	741	9441	1945	11386	49.85
10	3920	303	616	4839	929	516	2685	2375	-255	-293	8366	694	9060	2283	11343	49.67
11	3862	312	600	4774	928	509	2727	2419	-301	-337	8293	692	8985	2438	11423	49.65
12	3935	308	562	4805	930	513	2759	2304	-315	-353	8199	464	8663	2496	11159	49.82
13	4002	160	554	4716	915	518	2890	2275	-432	-458	7966	106	8072	2425	10497	49.82
14	3997	89	549	4635	928	493	2893	2327	-432	-457	7926	106	8032	2340	10372	49.62
15	4016	55	544	4615	927	560	2791	2301	-479	-497	7906	106	8012	2365	10377	49.59
16	3940	45	560	4545	927	649	2791	2570	-479	-497	8194	106	8300	2383	10683	49.78
17	3920	40	641	4601	928	814	2791	2633	-479	-493	8483	106	8589	2425	11014	49.84
18	3970	67	620	4657	927	681	2789	2784	-478	-450	8599	342	8941	2383	11324	49.70
19	3916	176	618	4710	926	598	2519	2649	-234	-194	8699	1253	9952	2325	12277	49.56
20	3982	730	630	5342	928	628	2605	2605	-177	-141	9382	1821	11203	2324	13527	49.53
21	3939	812	636	5387	929	818	2614	2488	-177	-132	9510	1674	11184	2300	13484	49.56
22	3808	386	626	4820	928	923	2643	2528	-187	-141	9069	1616	10685	2152	12837	49.44
23	3829	275	621	4725	929	866	2613	2672	-144	-102	9090	1202	10292	2015	12307	49.68
24	3835	150	605	4590	929	892	2593	2445	-108	-60	8796	0	8796	1811	10607	49.70
MUs	94.02	5.06	13.96	113.04	22.28	15.10	61.94	58.17	-4.65	-4.43	204.23	12.86	217.09	48.13	265.22	49.68

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 15/Jul/2009

Position as on 6.30 Hrs of 16/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.	COH(En-Mass Coolant Clanel Replacement)	31/03/2010
Parli Unit 6	250	03/06/2009	06.35		Continued.	Annual Overhaul	20/07/2009
Cent_Sect Tarapur 2	80	16/06/2009	22:10		Continued.	Refueling Outage.	30/07/2009
Nasik Unit 1	125	05/07/2009	6:15		Continued.	Annual Overhaul.	09/08/2009
Koyna ST - IV 4	250	10/07/2009	06.09		Continued.	Maintenance work.	18/07/2009
Parli Unit 3	210	10/07/2009	13.43		Continued.	P.A. Fan Tripped.	18/07/2009
Chandrapur Unit 7	500	16/07/2009	04:53		Continued.	A/OH.	16/08/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	
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	25/07/2009
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Cent_Sect Kawas ST1C	116	03/06/2009	16:33		Continued.	Bearing Temp. High	27/07/2009
Koradi Unit 4	115	28/06/2009	14.18		Continued.	Coal Bunkering problem.	18/07/2009
Tata Trombay 4	150	01/07/2009	00:46		Continued.	W/dn	
Tata Trombay 7B	60	04/07/2009	21.12		Continued.	GT.Bucholz Operated.	10/08/2009
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Chandrapur Unit 6	500	13/07/2009	23.09	15/07/2009	06.02	Boiler Feed Pump Problem	
Koradi Unit 3	105	14/07/2009	01.06		Continued.	Boiler Tube Leakage	18/07/2009
Cent_Sect NTPC(V-2)	210	14/07/2009	07.48	15/07/2009	10.38	Boiler Tube Leakage	
Nasik Unit 3	210	15/07/2009	00.30	15/07/2009	02.20	Main steam temp.low.	
Uran Unit 7	108	15/07/2009	02.16	15/07/2009	07:27	Excitation Problem.	
Chandrapur Unit 4	210	15/07/2009	07:10	15/07/2009	11:30	Drum Level Low.	
Nasik Unit 3	210	15/07/2009	13:09	16/07/2009	07.10	Super Heater Tube Leakage.	
Nasik Unit 5	210	16/07/2009	06.45	16/07/2009	08.30	Main Steam Temp.Low	
Nasik Unit 2	125	16/07/2009	13.25		Continued.	BLR T/L.	19/07/2009

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jul/2009

Position as on 6.30 Hrs of 16/Jul/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
TILLARY-PHONDA	15/07/2009	13:30	15/07/2009	18:30	To Attend Fault of Mudshingi-Ponda CKT.
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 II	14/07/2009	23.44	15/07/2009	07:15	H/T FOR O/V
Kolhapur-Mapusa Ckt I	15/07/2009	00:10		Continued.	H/T for O/V.
Kolhapur-Mapusa-II	15/07/2009	03.00	15/07/2009	10:23	H/T FOR O/V
DHULE-SAR'SAROVAR-I	15/07/2009	23:13	16/07/2009	09.30	H/T for O/V.
Dhule-Sar'Sarovar II	16/07/2009	12.15	16/07/2009	14.05	H/T For O/V.
DHULE-SAR'SAROVAR-I	16/07/2009	12.15	16/07/2009	17.28	H/T For O/v.
Dhule-Sar'Sarovar II	16/07/2009	20.48		Continued.	H/T For O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-I	19/06/2009	16:13	16/07/2009	21.39	3 Tower Collopsed.
Dhule-Khandwa-II	19/06/2009	16:13		Continued.	3 Tower Collopsed.
Voltage Level : 220KV			Outage Type TRIPPED		
Ponda - Mudshingi	14/07/2009	05.45	15/07/2009	18:07	Dist.Prot.B phase decapping at loc.no.418
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
Karad-Lonikhand	16/07/2009	09.55		Continued.	Retrofitting Work.
Padgha-Nagothane-II	16/07/2009	09.59	16/07/2009	18.29	Line Maintaince 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-Bablswr 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)
Bale-Osmanbad	15/07/2009	10:15	15/07/2009	13:10	Q.M. Work.
220/110KV 100 MVA ICT-II @ Miraj.	15/07/2009	12:00	15/07/2009	15:10	Testing Work.
Alephata-Kathapur	16/07/2009	10.05	16/07/2009	15.50	Q.M.Work
Bus Coupler at Khaparkheda	16/07/2009	11.57		Continued.	C.B.O/H Work.
Aurangabad-Chitegaon-I	16/07/2009	12.35	16/07/2009	15.33	Q.M.Work
Borivali-Tarapur	16/07/2009	15.58	16/07/2009	16.40	To Pass on Container.
Borivali-Boisar	16/07/2009	16.13	16/07/2009	16.30	To Pass on Container.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Ambazari - Hingna - I	15/07/2009	15:15	15/07/2009	17:25	R Ph LA Replacement work at Hingna S/Stn.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV,315 MVA ICT-	16/07/2009	10.40	16/07/2009	16.05	To attend Oil leakage of Y-Ph.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jul/2009

Position as on 6.30 Hrs of 16/Jul/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
II at Chandrapur					
Koradi - Akola	16/07/2009	11.55	16/07/2009	14.35	E/W broken.
400/220KV 315 MVA ICT-I at padgha	16/07/2009	12.27	16/07/2009	16.17	Bucholz Testing Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 315 MVA ICT at Akola	09/07/2009	11.28	16/07/2009	12.01	LV CB H/T
400/220 KV 315 MVA ICT at Akola	16/07/2009	14.37		Continued.	LV CB H/T
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Talangade - Mudshingi - I	15/07/2009	03.05	15/07/2009	09:02	CKT on TBC.
Wardha-Badnera	16/07/2009	12.04	16/07/2009	12.08	CKT H/T To Load Akola ICT.
Aurangabad-Chitegaon-I	16/07/2009	17.00	16/07/2009	18.01	CKT H/T As Trip Ckt Faulty Indication Received at Chitegaon S/S.
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		
Kalwa - Khargar	14/07/2009	19.00		Continued.	Main Breaker Prob.Ckt on TBC at Kharghar
Jejuri-Phursungi	15/07/2009	04.27	15/07/2009	05.35	Tripped on Distance protection
Gadchiroli - Virur	15/07/2009	19:24	15/07/2009	19:40	Tripped on Dist. Prot.
N'Thane-SPCL	16/07/2009	16.56		Continued.	Y-Ph.Conductor Snapped.
Apta-Nagothane	16/07/2009	16.56	16/07/2009	20.22	Tripped.
Nagothane-Mahad	16/07/2009	16.56	16/07/2009	20.17	Tripped.
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 16/Jul/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	50
Unit 2	105	70
Unit 3	105	0
Unit 4	105	0
Unit 5	200	140
Unit 6	210	130
Unit 7	210	130
	1040	520
Bhusawal		
Unit 1	58	30
Unit 2	210	150
Unit 3	210	150
	478	330
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	105
Unit 3	210	85
Unit 4	210	100
Unit 5	500	425
Unit 6	500	400
Unit 7	500	0
	2340	1285
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	50
Unit 3	210	0
Unit 4	210	170
Unit 5	210	160
	870	380
Uran		
All Units	852	600
	852	600
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	882
RGPPPL III	740	
	1700	882
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	0
Trombay 8	250	160
TATA Hydro	444	447
	2024	1727
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2493
	3143	2493