



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Jul/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Jul/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	89.479	2711.865	1) Madhya Pradesh	46.914	1291.917
2) Hydro	9.538	195.582	2) Gujrat	27.461	560.806
3) Gas	14.909	372.548	3) Goa	-5.680	-159.030
Total MSGENCO	113.926	3279.995	4) TAPS 1&2 (Inj.)	6.239	123.701
B) OTHERS			5) Pench (Excess)	-0.658	-8.097
1) RGPPL Gas	22.447	644.264	# Total Cent. Sector	74.276	1809.297
2) Wind Generation	18.768	489.977	F) Other Exchanges		
3) PENCH (MS)	0.658	9.755	1) With TPCL	-8.717	-135.224
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	23.350	779.504	1) MSEDCL Bilateral	0.616	60.465
2) TPCL Hydro	6.594	112.435	Include PX	0.000	2.020
TOTAL TPCL	29.944	891.939	2) MUMBAI Bilateral	8.236	124.795
3) REL Thermal	12.643	352.381	Include PX	2.411	47.504
D) STATE			3) MUMBAI Schedule	8.236	135.625
1) Thermal (A1+C1+C3)	125.472	3843.750	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	16.790	317.772	1) MSEDCL	221.358	6107.819
3) Gas (A3+B1)	37.356	1016.812	2) TPCL	34.049	911.594
4) Wind (B2)	18.768	489.977	3) REL	17.256	467.940
TOTAL STATE	198.386	5668.311	TOTAL STATE	272.663	7487.353

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	3622	4009	3528
MSGENCO Hydro	428	624	123
MSGENCO Gas	640	644	529
MSGENCO Total Generation	4690	5277	4180
Central Sector Receipt	3128	3978	2596
RGPPL	934	936	939
WIND	925	618	841
Exchange with TPCL	-709	-517	-73
MSEDCL DEMAND MET	9019	10292	8533
Load Shedding	1871	1944	0
MSEDCL DEMAND (INCL. LS)	10890	12236	8533
TPCL GENERATION	1377	1405	820
REL GENERATION	528	523	528
TPCL+REL DEMAND	2614	2445	1421
STATE DEMAND MET	11633	12737	9954
STATE DEMAND (INCL. LS)	13504	14681	9954
Frequency (Hz)	49.71	49.49	50.01
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2843 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			36.48 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.4 Hz at 14.02 Hrs	49.1 Hz at 21.17 Hrs	49.73	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 29/Jul/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	24.93	0	0	0
Unit 2	1.61	18.83	72	59	65
Unit 3	1.38	31.40	72	0	70
Unit 4	1.71	6.03	78	60	65
Unit 5	0.00	67.63	0	0	0
Unit 6	4.30	96.06	187	160	160
Unit 7	0.00	47.54	0	0	0
	8.99	292.42			360
Bhusawal					
Unit 1	0.96	22.31	53	31	30
Unit 2	3.13	72.86	156	92	140
Unit 3	3.66	100.92	176	128	140
	7.75	196.10			310
Parli					
Unit 1	0.56	13.72	24	22	20
Unit 2	0.59	15.93	26	22	20
Unit 3	1.80	56.38	172	0	0
Unit 4	0.00	79.64	0	0	0
Unit 5	4.17	107.37	183	160	160
Unit 6	0.00	0.00	0	0	0
	7.12	273.04			200
Chandrapur					
Unit 1	3.85	104.59	167	155	160
Unit 2	3.56	101.45	151	143	150
Unit 3	4.57	114.73	207	159	180
Unit 4	4.27	113.55	200	159	180
Unit 5	9.82	254.23	435	369	425
Unit 6	9.45	235.88	429	354	400
Unit 7	0.00	141.54	0	0	0
	35.52	1065.97			1495
Paras					
Unit 2	0.64	23.06	29	23	25
Unit 3	3.24	104.49	148	116	125
	3.88	127.55			150
Khaparkheda					
Unit 1	3.39	103.78	180	55	110
Unit 2	3.99	111.53	177	136	170
Unit 3	4.26	118.39	206	168	175
Unit 4	4.10	117.32	192	144	190
	15.74	451.01			645
Nasik					
Unit 1	0.00	8.17	0	0	0
Unit 2	1.27	34.82	80	39	50
Unit 3	3.70	40.82	185	132	150
Unit 4	3.70	119.00	172	134	160
Unit 5	1.81	102.96	184	52	50
	10.48	305.77			410
Uran					
All Units	14.91	372.55	650	529	610
	14.91	372.55			610
Koyna					
Stage 1-2	1.38	43.75	125	35	600
Stage 4	2.98	48.36	1091	0	250
Koyna 12&4 Total	4.36	92.11			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.17	39.17	240	0	240
	6.52	131.28			1090
Hydro					
KDPH	0.93	6.69	39	38	38
VTRNA	0.00	6.16	0	0	0
TILLARI	0.36	19.64	59	0	60
BHTGR/VEER	0.29	2.22	12	12	10
BHIRA T.R.	0.52	9.86	41	0	80
RNGR+BHTSA	0.10	4.34	4	4	0
BHANDARDRA	0.82	9.76	34	34	32
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.00	5.63	0	0	0
	3.01	64.30			220
PENCH (MS)					
Pench (MS)	0.66	9.76	54	0	
	0.66	9.76			
Wind					
MalharPeth	0.99	23.97			
Vankuswadi	2.30	54.15			
ATIT	0.52	10.96			
Kale	0.21	9.03			
Satara	1.84	35.50			
Shirala	0.69	20.42			
K Mahankal	0.09	10.57			
Supa	0.31	10.28			
Vita	3.00	103.65			
Dondaicha	5.11	126.81			
Sakri	1.09	21.40			
Nandurbar	0.41	13.73			
Khadakale	1.58	29.47			
Khaparale	0.64	20.05			
	18.77	489.98			
Dabhol					
RGPP L II	22.45	644.26	939	929	881
RGPP L III	0.00	0.00	0	0	
	22.45	644.26			881
Tata					
Trombay 4	0.00	0.04	0	0	0
Trombay 5	11.93	319.20	500	470	500
Trombay 6	11.42	295.13	510	320	500
Trombay 7A	0.00	64.90	0	0	0
Trombay 7B	0.00	6.13	0	0	0
Trombay 8	0.00	94.10	0	0	0
TATA Hydro	6.59	112.44	469	0	447
	29.94	891.94			1447
REL					
1&2	12.64	352.38	531	523	500
	12.64	352.38			500
Cent Sect					
Share					2898
					2898

MS PG CL	Thermal	89.48	2711.86		3570
	Thml+Gas	104.39	3084.41		4180
	Hydro	9.54	195.58		1310
	Total	113.93	3280.00		5490
State Total		198.39	5668.31		11216

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/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	3406	363	546	4315	934	819	2539	2838	-62	-76	8856	349	9205	1702	10907	49.59
2	3448	196	547	4191	938	910	2460	2535	-62	-76	8548	231	8779	1581	10360	49.87
3	3466	123	541	4130	937	872	2448	2732	-62	-74	8647	0	8647	1453	10100	49.90
4	3528	123	529	4180	939	841	2476	2596	-62	-73	8533	0	8533	1421	9954	50.01
5	3547	134	544	4225	935	860	2488	2604	-62	-75	8599	0	8599	1454	10053	49.82
6	3541	214	608	4363	938	834	2472	3073	-62	-77	9185	771	9956	1506	11462	49.78
7	3573	284	642	4499	938	849	2463	3009	-62	-78	9270	1209	10479	1657	12136	49.79
8	3627	347	646	4620	937	738	2471	2990	-62	-79	9260	1253	10513	1806	12319	49.91
9	3698	399	640	4737	937	771	2542	2946	-211	-228	9216	1277	10493	2053	12546	49.94
10	3691	492	645	4828	935	832	2729	3226	-506	-531	9344	1524	10868	2399	13267	49.82
11	3622	428	640	4690	934	925	2939	3128	-694	-709	9019	1871	10890	2614	13504	49.71
12	3579	398	636	4613	929	874	3044	3122	-717	-722	8867	1692	10559	2672	13231	49.62
13	3615	289	642	4546	934	843	3054	3081	-717	-743	8712	1716	10428	2674	13102	49.84
14	3695	170	649	4514	932	875	3006	3172	-604	-632	8872	1696	10568	2552	13120	49.83
15	3820	134	647	4601	930	900	3005	3149	-628	-652	8928	1520	10448	2580	13028	49.43
16	3882	139	645	4666	933	833	3081	3305	-628	-650	9087	1305	10392	2571	12963	49.52
17	3842	157	643	4642	934	823	3138	3531	-632	-655	9275	1344	10619	2571	13190	49.74
18	3887	175	646	4708	935	795	3118	3496	-586	-614	9320	1401	10721	2530	13251	49.79
19	3983	175	646	4804	935	635	3042	3673	-516	-538	9509	1519	11028	2435	13463	49.69
20	4009	624	644	5277	936	618	3073	3978	-492	-517	10292	1944	12236	2445	14681	49.49
21	4041	1467	641	6149	939	618	3005	3162	-331	-356	10512	1753	12265	2313	14578	49.36
22	4049	1228	646	5923	938	592	2855	2858	-190	-215	10096	1680	11776	2220	13996	49.49
23	3979	897	650	5526	934	536	2779	3106	-160	-187	9915	1150	11065	2122	13187	49.67
24	3951	582	646	5179	936	575	2772	2966	-134	-160	9496	760	10256	1973	12229	49.85
MUs	89.48	9.54	14.91	113.93	22.45	18.77	67.00	74.28	-8.24	-8.72	221.36	27.96	249.32	51.30	300.63	49.73

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 29/Jul/2009

Position as on 6.30 Hrs of 30/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	05/08/2009
Tata Trombay 7B	60	04/07/2009	21.12		Continued.	GT.Bucholz Operated.	10/08/2009
Nasik Unit 1	125	05/07/2009	6:15		Continued.	Annual Overhaul.	09/08/2009
Chandrapur Unit 7	500	16/07/2009	04:53		Continued.	A/OH.	16/08/2009
Cent_Sect NTPC(V-7)	500	18/07/2009	23.27		Continued.	Annual Overhaul.	20/08/2009
Koradi Unit 7	210	20/07/2009	09.57		Continued.	Annual Overhaul	
Koradi Unit 1	105	24/07/2009	01:20		Continued.	ANNUAL OVERHAUL	04/09/2009
Tata Trombay 7A	120	25/07/2009	00.21	30/07/2009	00:32	Gas path inspection.	
Parli Unit 4	210	25/07/2009	00.58		Continued.	AOH.	20/08/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	20/12/2009
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	15/02/2010
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	25/10/2009
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	01/07/2009	00:46		Continued.	W/dn	
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Cent_Sect Kawas GT1A	106	24/07/2009	09.42		Continued.	Low demand.	
Khaparkheda Unit 1	210	26/07/2009	11.01	29/07/2009	00.18	Boiler Tube Leakage.	
Tata Trombay 8	250	26/07/2009	12.20		Continued.	H P Bypass Problem.	14/08/2009
Koradi Unit 5	200	26/07/2009	22.22		Continued.	Boiler Tube Leakage.	30/07/2009
Parli Unit 3	210	28/07/2009	01.39	29/07/2009	09:55	Air Heater Problem.	
Cent_Sect NTPC(K-6)	500	28/07/2009	14.04	29/07/2009	12:55	Boiler Tube Leakage	
Koradi Unit 3	105	28/07/2009	21.34	29/07/2009	02.48	UAT Problem	
Parli Unit 3	210	29/07/2009	10:27	29/07/2009	12:03	Drum Level High.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jul/2009

Position as on 6.30 Hrs of 30/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		
Kolhapur-Phonda Ckt. I	26/07/2009	09.10		Continued.	Outage.
Tillary-Phonda	26/07/2009	09.52		Continued.	Outage.
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
Chandrapur-Bhadravati-II	23/07/2009	13.46		Continued.	H/T For O/V.
Kolhapur-Mapusa Ckt I	29/07/2009	01.15	29/07/2009	09:09	H/T for O/V
Voltage Level : 220KV			Outage Type HAND TRIPPED		
TARAPUR-BORIVALI	29/07/2009	12:30		Continued.	CT Replacement work.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-II	19/06/2009	16:13		Continued.	3 Tower Colloped.
Dhule-Sar'Sarovar II	23/07/2009	00:18		Continued.	H/T For O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Main Bus-II at Karad	28/07/2009	12.35	29/07/2009	21:00	Insulator replacement in Bus coupler bay
Padgha-Lonikhand	29/07/2009	09:39	29/07/2009	20:48	Replacement of R ph CVT.
400/220 KV 315 MVA ICT - II @ Koradi.	29/07/2009	09:47	29/07/2009	17:12	Q/M.
Karad-Kolhapur CKT II	29/07/2009	11:42	29/07/2009	21:13	Attending Sparking @ main I PG Isolator B phase.
400/220KV,315MVA ICT-I at Karad	29/07/2009	12:00	29/07/2009	21:06	Replacement of PG Isolator.
400 KV N'koyna-Bus Coupler	29/07/2009	14:22	29/07/2009	17:36	Q/M.
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 on TBC
220/132 KV 63MVA T/F I at Lonand	23/07/2009	11.50		Continued.	Errection of New T/F
C'pur-Sicom-I	26/07/2009	09.50		Continued.	C.B.Replacement Work.Line on TBC.
Parbhani-Pusad	27/07/2009	11.58	29/07/2009	02.34	Retrofitting Work.
Parli-Osmanabad	29/07/2009	09:31	29/07/2009	16:25	R ph mid span joint work.
Khapakheda - Koulawada - II	29/07/2009	10:10	29/07/2009	14:52	R.M. Work.
Lamboti-Bale-I	29/07/2009	11:17	29/07/2009	13:20	Scada work.
KALWA-SALSETE-III	30/07/2009	04.44	30/07/2009	06.55	Detorited of 'B' Phase C T String replacement.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
N.Koyna-Lote(p)	29/07/2009	12:35	29/07/2009	14:14	Hot spot on R ph @ Lote end.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	24/07/2009	06.25		Continued.	H/T To increase Akola ICT Load
Wardha--Dhamangaon	24/07/2009	06.26		Continued.	H/T To increase Akola ICT load.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jul/2009

Position as on 6.30 Hrs of 30/Jul/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type TRIPPED		
BBLSR-RANJANGAON	28/07/2009	19.49	29/07/2009	02:41	Distance protection R to E
Miraj -Ichalkarajni	28/07/2009	19.55	29/07/2009	13:25	Distance protection Y to E
Bblswr-Anagar Ckt.II	30/07/2009	02.06	30/07/2009	02.38	R Ph to Neutral Fault.
Voltage Level : 132KV			Outage Type TRIPPED		
Madgi-Kawlewada-II	29/07/2009	16.35	29/07/2009	23.25	Distance protection 'Y' phase to earth.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Jul/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	50
Unit 4	105	50
Unit 5	200	0
Unit 6	210	170
Unit 7	210	0
	1040	340
Bhusawal		
Unit 1	58	30
Unit 2	210	140
Unit 3	210	150
	478	320
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	160
Unit 4	210	0
Unit 5	210	160
Unit 6	250	0
	940	360
Chandrapur		
Unit 1	210	160
Unit 2	210	145
Unit 3	210	200
Unit 4	210	180
Unit 5	500	425
Unit 6	500	400
Unit 7	500	0
	2340	1510
Paras		
Unit 2	55	20
Unit 3	250	130
	305	150
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	180
Unit 4	210	180
	840	700
Nasik		
Unit 1	120	0
Unit 2	120	50
Unit 3	210	160
Unit 4	210	170
Unit 5	210	160
	870	540
Uran		
All Units	852	625
	852	625
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	38
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	32
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	220
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	960	890
RGPL III	740	
	1700	890
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	0
Trombay 8	250	0
TATA Hydro	444	447
	2024	1567
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3052
	3143	3052