



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Jul/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 23/Jul/2011 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	71.966	1923.424	1) Madhya Pradesh	54.096	1063.109
2) Hydro	12.358	285.555	2) Gujrat	32.718	594.960
3) Gas	6.859	190.352	3) Goa	-5.800	-130.952
Total MSGENCO	91.183	2399.331	4) TAPS 1&2 (Inj.)	7.861	175.687
B) OTHERS			5) Pench (Excess)	0.000	-1.826
1) RGPPL Gas	38.424	884.110	# Total Cent. Sector	88.875	1700.978
2) Wind Generation	24.336	445.080	F) Other Exchanges		
3) CPP	20.342	644.566	1) With TPCL (Excess)	-16.575	-274.284
4) PENCH (MS)	0.000	1.826	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	6.802	276.388
1) TPCL Thermal	14.189	513.431	Include PX	0.000	2.833
2) TPCL Hydro	9.166	140.705	2) MUMBAI Bilateral	16.325	286.981
TOTAL TPCL	23.355	654.136	Include PX	1.441	-37.152
3) REL Thermal	12.576	273.918	3) MUMBAI Schedule	17.295	296.513
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	98.731	2710.773	1) MSEDCL	246.585	5801.607
2) Hydro (A2+B3+C2)	21.524	428.086	2) TPCL	34.693	804.218
3) Gas (A3+B1)	45.283	1074.462	3) REL	17.811	398.350
4) Wind (B2)	24.336	445.080	TOTAL STATE	299.089	7004.175
5) CPP (B3)	20.342	644.566			
TOTAL STATE	210.216	5302.967			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	2930	2987	3077
MSGENCO Hydro	454	1259	144
MSGENCO Gas	287	290	290
MSGENCO Total Generation	3671	4536	3511
Central Sector Receipt	4471	4251	2500
RGPPL	1587	1616	1602
WIND	1193	987	1078
CPP	807	965	807
Exchange with Mumbai	-1190	-879	-255
MSEDCL DEMAND MET	10539	11476	9243
Load Shedding (LS)	44	40	44
MSEDCL DEMAND (INCL. LS)	10583	11516	9287
TPCL GENERATION	969	1071	782
REL GENERATION	521	524	525
TPCL+REL DEMAND	2680	2474	1562
STATE DEMAND MET	13219	13950	10805
Load Management (LM)	1105	2146	1009
Total Load Relief (LS+LM)	1149	2186	1053
UNRESTRICTED STATE DEMAND	14368	16136	11858
Frequency (Hz)	49.86	49.77	49.78

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.25 Hz at 14.04 Hrs	49.36 Hz at 19.47 Hrs	49.84	0 % of Time(min)

* 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 23/Jul/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.02	78.12	131	50	80
Unit 6	3.14	80.32	150	105	125
Unit 7	2.66	78.76	150	90	100
	7.82	237.20			305
Bhusawal					
Unit 2	1.56	62.84	170	0	160
Unit 3	3.70	58.70	175	125	160
Unit 4	0.00	0.00	0	0	
	5.26	121.54			320
Parli					
Unit 3	2.78	39.81	140	60	120
Unit 4	2.56	38.38	120	95	115
Unit 5	2.63	55.01	126	95	125
Unit 6	1.31	1.31	130	0	60
Unit 7	2.93	60.00	176	63	140
	12.20	194.50			560
Chandrapur					
Unit 1	2.71	70.58	131	101	110
Unit 2	2.26	61.16	126	75	80
Unit 3	3.55	88.03	161	125	150
Unit 4	3.56	87.29	168	106	150
Unit 5	7.65	198.50	355	300	300
Unit 6	0.00	95.70	0	0	0
Unit 7	0.00	0.00	0	0	0
	19.73	601.26			790
Paras					
Unit 3	3.42	81.27	170	113	150
Unit 4	3.31	86.25	146	127	150
	6.73	167.52			300
Khaparkheda					
Unit 1	4.12	97.89	195	145	190
Unit 2	0.00	83.12	0	0	0
Unit 3	4.45	105.96	213	148	200
Unit 4	5.12	110.80	221	200	210
Unit 5	0.00	0.00	0	0	
	13.69	397.76			600
Nasik					
Unit 1	0.00	0.00	0	0	
Unit 2	0.00	0.00	0	0	
Unit 3	0.09	66.26	50	0	0
Unit 4	3.30	64.12	160	99	160
Unit 5	3.15	73.27	162	105	150
	6.54	203.64			310
Uran					
All Units	6.86	190.35	296	235	280
	6.86	190.35			280
Dabhol					
RGPPL	38.42	884.11	1616	1581	1560
	38.42	884.11			1560
Koyna					
Stage 1-2	2.77	68.36	385	35	600
Stage 4	2.14	74.26	812	0	250
Stage 3	1.90	51.77	320	0	320
	6.81	194.39			1170
Kovna 12&4 Total	4.91	142.62			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.46	1.42	19	18	19
VTRNA	0.00	12.24	0	0	60
TILLARI	0.90	11.25	60	0	60
BHTGR/VEER	0.12	0.36	5	5	5
BHIRA T.R.	0.52	11.03	81	0	80
RNGR+BHTSA	0.05	2.67	2	2	2
BHANDARDRA	0.72	12.18	30	30	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.22	20.04	58	48	10
GHATGHAR	1.56	19.97	250	0	0
	5.54	91.17			266
PENCH (MS)					
Pench (MS)	0.00	1.83	0	0	
	0.00	1.83			
Wind					
MalharPeth	1.07	17.45			
Vankuswadi	2.16	39.53			
ATIT	1.50	12.82			
Kale	0.70	13.24			
Satara	1.90	38.82			
Shirala	0.73	15.95			
K Mahankal	0.52	24.55			
Supa	0.16	5.34			
Vita	3.12	71.42			
Dondaicha	7.98	126.86			
Sakri	1.27	19.64			
Nandurbar	0.78	13.17			
Khandke	1.23	26.33			
Khaparale	1.22	19.98			
	24.34	445.08			
CPP					
JSW JAIGAD	11.53	384.72	638	419	635
WARDHA	5.53	155.03	268	218	260
Other CPPs	3.28	104.82			
	20.34	644.57			895
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	188.32	0	0	0
Trombay 6	9.78	159.94	505	200	500
Trombay 7A	2.83	65.29	120	117	120
Trombay 7B	1.58	36.13	66	65	60
Trombay 8	0.00	63.76	0	0	0
TATA Hydro	9.17	140.70	387	345	447
	23.36	654.14			1127
REL					
1&2	12.58	273.92	526	521	500
	12.58	273.92			500
Cent Sect					
Share					3640
					3640

MS PG CL	Thermal	71.97	1923.42			3185
	Thml+Gas	78.82	2113.78			3465
	Hydro	12.36	285.56			1436
	Total	91.18	2399.33			4901
State Total		210.22	5302.97			12623

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/Jul/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	3033	177	235	3445	1600	1239	794	3169	2864	-621	-426	9516	1513	9560	1873	12902	49.72
2	3042	144	251	3437	1605	1120	796	3000	2754	-465	-401	9311	1436	9355	1698	12445	49.85
3	3085	149	275	3509	1604	998	814	2853	2918	-362	-313	9530	1103	9574	1609	12242	49.79
4	3113	149	290	3552	1610	1094	816	2847	2491	-341	-276	9287	1057	9331	1572	11916	49.92
5	3077	144	290	3511	1602	1078	807	2868	2500	-314	-255	9243	1053	9287	1562	11858	49.78
6	3077	298	290	3665	1604	899	809	2954	3030	-325	-262	9745	1150	9789	1640	12535	49.80
7	2980	680	291	3951	1612	725	802	2968	3406	-352	-297	10199	1146	10243	1714	13059	49.91
8	2878	425	291	3594	1612	698	777	3002	4112	-394	-363	10430	1146	10474	1836	13412	49.91
9	2928	464	291	3683	1602	994	801	3147	4488	-543	-495	11073	1146	11117	2079	14298	49.92
10	2858	629	296	3783	1603	1147	808	3578	3990	-900	-855	10476	1163	10520	2408	14047	50.04
11	2948	453	290	3691	1599	1164	788	3757	4364	-1135	-1111	10495	1175	10539	2633	14303	49.97
12	2930	454	287	3671	1587	1193	807	3796	4471	-1216	-1190	10539	1149	10583	2680	14368	49.86
13	2872	449	289	3610	1584	1338	810	3791	4213	-1170	-1146	10409	1148	10453	2659	14216	49.83
14	2936	389	289	3614	1615	1020	801	3749	4135	-987	-1019	10166	1148	10210	2571	13885	49.91
15	2997	414	290	3701	1606	1155	805	3823	3896	-965	-977	10186	1148	10230	2575	13909	49.83
16	2890	803	286	3979	1581	1126	782	3679	3819	-919	-926	10361	1157	10405	2523	14041	49.72
17	2840	613	290	3743	1591	1032	800	3648	4192	-887	-882	10476	1189	10516	2480	14145	49.83
18	2819	308	289	3416	1591	1110	796	3578	4209	-839	-840	10282	1335	10322	2440	14057	49.87
19	2898	348	295	3541	1599	1074	885	3591	4125	-834	-816	10408	1982	10448	2413	14803	49.87
20	2987	1259	290	4536	1616	987	965	3610	4251	-899	-879	11476	2186	11516	2474	16136	49.77
21	3069	1815	289	5173	1601	889	1023	3664	3619	-908	-878	11427	2195	11467	2441	16063	49.70
22	3174	829	291	4294	1604	853	1026	3496	4062	-737	-767	11072	2195	11112	2336	15603	49.87
23	3237	594	296	4127	1599	714	994	3303	3635	-612	-646	10423	2195	10463	2216	14834	49.75
24	3298	371	288	3957	1597	689	1036	3149	3333	-571	-555	10057	1950	10097	2074	14081	49.73
MUs	71.97	12.36	6.86	91.18	38.42	24.34	20.34	81.02	88.88	-17.30	-16.58	246.59	34.06	247.61	52.51	333.16	49.84

NOTE : ALL VALUES IN MW

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

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 23/Jul/2011

Position as on 6.30 Hrs of 24/Jul/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Dabhol 1A	230	20/05/2011	13.22		Continued.	Rotor replacement.	23/07/2011
Parli Unit 6	250	16/06/2011	05.50	23/07/2011	01.06	Annual Overhaul	
Chandrapur Unit 7	500	29/06/2011	21.40		Continued.	COH	16/08/2011
Chandrapur Unit 6	500	12/07/2011	17.24		Continued.	Stator Earth Fault(Mini overhaul)	31/07/2011
CPP WPCL U-2	135	14/07/2011	18:40	24/07/2011	03.22	Maintenance work.	
Tata Trombay 8	250	15/07/2011	01:45		Continued.	AOH	08/08/2011
Cent_Sect NTPC(V-7)	500	18/07/2011	00.03		Continued.	Annual overhaul.	15/08/2011
Nasik Unit 3	210	23/07/2011	01.55		Continued.	Annual Overhaul.	15/08/2011
CPP WPCL U-4	135	24/07/2011	06.40		Continued.	Maint.Work.	
FORCED OUTAGE							
Uran Unit 5	108	15/07/2011	10.40		Continued.	Turbine Blade Replacement.	10/08/2011
Uran Unit 6	108	17/07/2011	11.52		Continued.	Stator earth fault.	
Uran Unit A0	120	17/07/2011	11.52		Continued.	Stator earth fault.	
Tata Trombay 5	500	19/07/2011	23.02	24/07/2011	00.51	BLR T/L.	
Khaparkheda Unit 2	210	22/07/2011	17.53	24/07/2011	08.33	Boiler Tube Leakage.	
Uran Unit B0	120	22/07/2011	22.43	23/07/2011	00.16	Vibration Problem.	
CPP JSW (J) U2	300	23/07/2011	00.12	23/07/2011	17.40	Coal Mill Line Problem.	
Parli Unit 6	250	23/07/2011	05.36	23/07/2011	08.49	Flame Failure.	
Bhusawal Unit 2	210	23/07/2011	06.20	23/07/2011	20.10	Withdran.	
Parli Unit 7	250	24/07/2011	12.25	24/07/2011	16.32	Furnace Pressure High.	
Khaparkheda Unit 2	210	24/07/2011	14.27		Continued.	Flame Boiler Tube Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jul/2011

Position as on 6.30 Hrs of 24/Jul/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - I	06/07/2011	18.16	24/07/2011	09.42	Over Voltage.
Akola - Aurangabad - I	08/07/2011	20.31		Continued.	Over Voltage.
Kolhapur - Mapusa - II	21/07/2011	22.20		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	23/07/2011	00.45	23/07/2011	11.25	Over Voltage.
Karad - Solapur (PGCIL)	23/07/2011	22.10	24/07/2011	06.30	Over Voltage.
Dhule-Sar'Sarovar - II	23/07/2011	23.11	24/07/2011	08.50	Over Voltage.
Dhule-Sar'Sarovar - I	24/07/2011	02.21	24/07/2011	08.40	Over Voltage.
Dhule-Sar'Sarovar - I	24/07/2011	13.36		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	24/07/2011	21.13		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha - Akola - II	09/07/2011	00.03		Continued.	Over Voltage.
IntraState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(8 MonthOutage)
220/132KV,100 MVA ICT-III at Girwali.	21/06/2011	10.44		Continued.	Augmentation of ICT by new 200 MVA ICT upto 30.07.2011
220 KV TBC @ Koradi	19/07/2011	10.30		Continued.	Transfer of the control from existing C/R panel to BCR and SCADA.
Chalisgaon-Bhusawal	19/07/2011	20.51		Continued.	Replacement of isolator work, up to 28.07.2011 (CKT on TBC).
220/132 KV 100 MVA ICT-II @ Babaleshwar	23/07/2011	09.15	23/07/2011	17.20	Tan & Q.M.Work.
Malegaon-Satana	23/07/2011	10.00	23/07/2011	12.38	Maint.Work @ Satana Bay.
Kalwa - Ghatghar	23/07/2011	14.07	23/07/2011	17.41	Red Hot.
Ghodbandar-Versova-I	24/07/2011	08.13	24/07/2011	18.13	LILO Work for Gorai GIS S/S.
Ghodbhundur - Gorai	24/07/2011	16.00	24/07/2011	16.03	After Charging Gorai GIS S/S.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Girwali - Latur MIDC	19/07/2011	11.09		Continued.	Disc insulator strings replacement from LOC 32 to 82.
Nasik - Ranwad	23/07/2011	10.10	23/07/2011	17.20	Replacement of Damge Insulator.
Nanded - Elichpur	23/07/2011	12.20	23/07/2011	15.05	Attending Red Hot Spot.
Shahada-Taloda	23/07/2011	15.35	23/07/2011	16.45	Opening of Jumpers of 132KV Bus Isolator.
Bus Section - I @ Khamgaon	24/07/2011	10.30		Continued.	1)Replacement of Bus Isolator of Malkapur-2 2) Replacement of Bus Isolator of 132/33KV 25 MVA T/F.
Pachora-Chalisgaon Ckt.II.	24/07/2011	11.30	24/07/2011	12.48	Reconnecting the C T to Line Isolator Jumpers After Isolator Replacement.
Chalisgaon - Dhule	24/07/2011	13.03	24/07/2011	15.54	Disconnecting the C T to Line Isolator Jumpers for Replacement of Isolator.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Koradi - Kaparkheda	24/07/2011	12.00	24/07/2011	12.48	Low SF-6 Gas Pressure Taken on TBC.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	13/07/2011	17.34	23/07/2011	06.45	Over Voltage
Bhusawal- Aurangabad	17/07/2011	18.20	23/07/2011	07.28	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jul/2011

Position as on 6.30 Hrs of 24/Jul/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonikand- Koyna Stage IV	22/07/2011	23.05	23/07/2011	06.53	Over Voltage.
Bhusawal- Aurangabad	23/07/2011	13.14		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	23/07/2011	22.19	24/07/2011	07.20	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bus Coupler @ WPCL	07/06/2011	17.22		Continued.	As being normally kept open.
Phursungi - Theur	02/07/2011	19.30		Continued.	To Control Loading.
Chandrapur - Warora	03/07/2011	21.47		Continued.	To Control Wrr-Wrd & Wrr-Hgkat Loading.
Khaperkheda - Wardha.	20/07/2011	16.59		Continued.	Over Voltage.
Khaparkheda-Kawlewada-II	20/07/2011	17.07		Continued.	Over Voltage.
220/132KV,100 MVA ICT at Hingoli.	21/07/2011	16.50		Continued.	ICTs LV side protection panel B ph.CT winding burst.
Babaleshwar - Bhenda	24/07/2011	08.30		Continued.	To Control Babaleshwar ICT Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 105 MVA Spare ICT at Parly II	22/04/2011	13.50		Continued.	To Remove Trip Coil Assembaly for Bus Coupler.
Chandrapur - Parli - III	24/07/2011	17.48		Continued.	Distance Protection,Patrolling in Progress.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip,Diff.Prot.operated,PRV tripped(Failed).
220/100KV 125 MVA ICT-I @ Kalwa	19/06/2011	13.45		Continued.	Buchholz Augmentation by 200 MVA.Expected in Sept.2011.
220/100 KV ICT-3 at Borivali	24/07/2011	03.45	24/07/2011	04.03	On OLTC Bucholz.
Badnera-Akola-II	24/07/2011	19.22	24/07/2011	19.35	Distance Protection Operated Z-I.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa - Salshet - I	23/07/2011	14.44	23/07/2011	15.24	Distance Protecton.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/Jul/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	150
Unit 7	210	160
	620	440
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	0	
	420	320
Parli		
Unit 3	210	180
Unit 4	210	120
Unit 5	210	90
Unit 6	250	170
Unit 7	250	90
	1130	650
Chandrapur		
Unit 1	210	140
Unit 2	210	130
Unit 3	210	160
Unit 4	210	160
Unit 5	500	360
Unit 6	500	0
Unit 7	500	0
	2340	950
Paras		
Unit 3	250	75
Unit 4	250	140
	500	215
Khaparkheda		
Unit 1	210	190
Unit 2	210	0
Unit 3	210	200
Unit 4	210	210
Unit 5	0	
	840	600
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	0
Unit 4	210	170
Unit 5	210	160
	870	330
Uran		
All Units	852	280
	852	280
Dabhol		
RGPP	1940	1560
	1940	1560
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	19

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	1
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	205
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	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	600	635
WARDHA	405	260
Other CPPs	0	
	1005	895
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3207
	3455	3207