



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Jul/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Jul/2011 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	74.346	1851.458	1) Madhya Pradesh	45.196	1009.013
2) Hydro	9.187	273.197	2) Gujrat	34.255	562.242
3) Gas	4.727	183.493	3) Goa	-6.086	-125.152
Total MSGENCO	88.260	2308.148	4) TAPS 1&2 (Inj.)	7.818	167.826
B) OTHERS			5) Pench (Excess)	-0.072	-1.826
1) RGPPL Gas	38.248	845.686	# Total Cent. Sector	81.111	1612.103
2) Wind Generation	26.699	420.744	F) Other Exchanges		
3) CPP	25.427	624.224	1) With TPCL (Excess)	-18.169	-257.709
4) PENCH (MS)	0.072	1.826	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	10.137	269.586
1) TPCL Thermal	14.557	499.242	Include PX	-0.174	2.833
2) TPCL Hydro	9.841	131.539	2) MUMBAI Bilateral	15.970	270.655
TOTAL TPCL	24.398	630.781	Include PX	0.123	-38.593
3) REL Thermal	12.596	261.342	3) MUMBAI Schedule	18.045	279.218
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	101.499	2612.042	1) MSEDCL	241.648	5555.022
2) Hydro (A2+B3+C2)	19.100	406.562	2) TPCL	36.991	769.525
3) Gas (A3+B1)	42.975	1029.179	3) REL	18.171	380.539
4) Wind (B2)	26.699	420.744	TOTAL STATE	296.810	6705.086
5) CPP (B3)	25.427	624.224			
TOTAL STATE	215.700	5092.751			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3114	3083	2939
MSGENCO Hydro	322	1311	148
MSGENCO Gas	147	157	298
MSGENCO Total Generation	3583	4551	3385
Central Sector Receipt	3979	3696	2957
RGPPL	1620	1601	1633
WIND	1222	1114	1035
CPP	1066	1022	1080
Exchange with Mumbai	-968	-880	-274
MSEDCL DEMAND MET	10502	11127	9816
Load Shedding (LS)	42	37	42
MSEDCL DEMAND (INCL. LS)	10544	11164	9858
TPCL GENERATION	1096	1085	773
REL GENERATION	524	526	526
TPCL+REL DEMAND	2588	2491	1573
STATE DEMAND MET	13090	13618	11389
Load Management (LM)	1084	2155	978
Total Load Relief (LS+LM)	1126	2192	1020
UNRESTRICTED STATE DEMAND	14216	15810	12409
Frequency (Hz)	49.87	49.60	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.36 Hz at 14.06 Hrs	49.06 Hz at 19.11 Hrs	49.84	.69 % 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 22/Jul/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.11	76.10	121	59	100
Unit 6	2.93	77.18	140	98	130
Unit 7	2.27	76.10	150	0	110
	7.31	229.38			340
Bhusawal					
Unit 2	3.71	61.28	165	135	160
Unit 3	3.82	55.00	175	135	160
Unit 4	0.00	0.00	0	0	
	7.53	116.27			320
Parli					
Unit 3	2.68	37.03	158	52	160
Unit 4	2.69	35.82	126	97	115
Unit 5	2.42	52.38	120	89	90
Unit 6	0.00	0.00	0	0	0
Unit 7	3.14	57.07	165	74	95
	10.92	182.30			460
Chandrapur					
Unit 1	2.41	67.87	119	88	110
Unit 2	1.99	58.90	88	74	110
Unit 3	2.95	84.48	154	95	125
Unit 4	2.83	83.74	153	80	100
Unit 5	7.27	190.85	320	285	300
Unit 6	0.00	95.70	0	0	0
Unit 7	0.00	0.00	0	0	0
	17.45	581.53			745
Paras					
Unit 3	3.35	77.85	151	118	150
Unit 4	3.55	82.94	165	119	150
	6.91	160.80			300
Khaparkheda					
Unit 1	4.58	93.77	205	175	185
Unit 2	0.74	83.12	127	0	0
Unit 3	4.67	101.51	202	186	185
Unit 4	4.95	105.68	217	193	210
Unit 5	0.00	0.00	0	0	
	14.95	384.08			580
Nasik					
Unit 1	0.00	0.00	0	0	
Unit 2	0.00	0.00	0	0	
Unit 3	2.26	66.16	165	60	162
Unit 4	3.50	60.82	175	96	152
Unit 5	3.52	70.12	163	127	142
	9.28	197.10			456
Uran					
All Units	4.73	183.49	298	144	290
	4.73	183.49			290
Dabhol					
RGPPL	38.25	845.69	1635	1474	1560
	38.25	845.69			1560
Koyna					
Stage 1-2	1.58	65.59	230	40	600
Stage 4	0.58	72.12	269	0	250
Stage 3	1.38	49.86	320	0	320
	3.54	187.57			1170
Kovna 12&4 Total	2.16	137.71			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.45	0.96	19	18	18
VTRNA	0.24	12.24	61	0	0
TILLARI	0.78	10.35	61	0	60
BHTGR/VEER	0.12	0.24	5	5	5
BHIRA T.R.	0.50	10.51	80	0	80
RNGR+BHTSA	0.05	2.62	2	2	2
BHANDARDRA	0.72	11.46	30	30	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.19	18.82	57	47	10
GHATGHAR	1.60	18.41	250	0	0
	5.65	85.62			205
PENCH (MS)					
Pench (MS)	0.07	1.83	23	0	
	0.07	1.83			
Wind					
MalharPeth	1.37	16.38			
Vankuswadi	1.97	37.37			
ATIT	1.22	11.31			
Kale	0.79	12.54			
Satara	2.27	36.92			
Shirala	1.04	15.22			
K Mahankal	0.84	24.02			
Supa	0.26	5.18			
Vita	4.16	68.30			
Dondaicha	7.68	118.89			
Sakri	1.37	18.37			
Nandurbar	0.75	12.38			
Khandke	1.59	25.10			
Khaparale	1.39	18.76			
	26.70	420.74			
CPP					
JSW JAIGAD	16.14	373.19	759	593	635
WARDHA	6.17	149.50	269	241	260
Other CPPs	3.11	101.54			
	25.43	624.22			895
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	188.32	0	0	0
Trombay 6	10.14	150.16	500	200	500
Trombay 7A	2.84	62.46	120	116	120
Trombay 7B	1.58	34.55	67	65	60
Trombay 8	0.00	63.76	0	0	0
TATA Hydro	9.84	131.54	438	379	400
	24.40	630.78			1080
REL					
1&2	12.60	261.34	527	523	500
	12.60	261.34			500
Cent Sect					
Share					3599
					3599

MS PG CL	Thermal	74.35	1851.46			3201
	Thml+Gas	79.07	2034.95			3491
	Hydro	9.19	273.20			1375
	Total	88.26	2308.15			4866
State Total		215.70	5092.75			12500

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/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	2977	153	240	3370	1620	1089	1080	2982	3001	-432	-389	9771	1502	9813	1855	13128	49.82
2	2987	143	248	3378	1628	1007	1072	2945	2872	-395	-337	9620	1423	9662	1694	12737	49.88
3	3003	148	248	3399	1635	1159	1056	2886	2837	-304	-286	9800	1071	9842	1612	12483	49.95
4	2939	148	298	3385	1633	1035	1080	2860	2957	-277	-274	9816	1020	9858	1573	12409	50.03
5	2996	153	297	3446	1629	1066	1039	2828	3023	-266	-272	9931	1011	9973	1568	12510	49.92
6	3077	143	247	3467	1635	1030	1112	2837	3527	-298	-283	10488	1089	10530	1672	13249	49.91
7	3081	332	240	3653	1631	1014	1021	2886	3509	-361	-362	10466	1086	10508	1799	13351	49.93
8	3142	335	290	3767	1626	1071	1051	2921	3528	-398	-458	10585	1086	10627	1947	13618	49.99
9	3036	344	290	3670	1630	1034	1064	3146	3935	-625	-670	10663	1086	10705	2266	14015	49.90
10	3114	322	147	3583	1620	1222	1066	3450	3979	-936	-968	10502	1126	10544	2588	14216	49.87
11	3055	303	146	3504	1605	1255	1070	3610	3726	-1165	-1167	9993	1192	10035	2810	13995	49.83
12	3168	272	146	3586	1611	1324	1079	3699	3561	-1230	-1246	9915	1174	9957	2887	13976	49.90
13	3197	229	147	3573	1622	1304	1070	3681	3405	-1214	-1196	9778	1171	9820	2840	13789	49.98
14	3228	204	147	3579	1490	1285	1074	3537	3278	-1081	-1091	9615	1171	9657	2734	13520	49.97
15	3221	208	148	3577	1476	1208	1075	3359	3414	-1070	-1106	9644	1173	9686	2747	13564	49.94
16	3244	208	147	3599	1474	990	1053	3478	3388	-1081	-1108	9396	1169	9438	2751	13316	49.89
17	3218	312	144	3674	1482	1255	1058	3347	3209	-1075	-1094	9584	1193	9621	2731	13508	49.79
18	3298	410	144	3852	1597	1191	1095	3249	3139	-1026	-1031	9843	1353	9880	2679	13875	49.88
19	3184	532	145	3861	1598	1236	1088	3389	3322	-1017	-946	10159	1983	10196	2592	14734	49.75
20	3145	1072	153	4370	1597	1013	1067	3626	3741	-967	-961	10844	2183	10881	2606	15633	49.45
21	3083	1311	157	4551	1601	1114	1022	3680	3696	-892	-880	11127	2192	11164	2491	15810	49.60
22	3013	945	185	4143	1601	1007	992	3533	3651	-743	-781	10633	2192	10670	2349	15174	49.66
23	2971	514	182	3667	1606	872	1017	3326	3380	-620	-672	9882	2192	9919	2256	14330	49.75
24	2969	446	191	3606	1601	918	1026	3165	3069	-571	-591	9629	1953	9666	2116	13698	49.67
MUs	74.35	9.19	4.73	88.26	38.25	26.70	25.43	78.42	81.15	-18.04	-18.17	241.68	33.79	242.65	55.16	330.64	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 22/Jul/2011

Position as on 6.30 Hrs of 23/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		Continued.	Maintenance work.	25/07/2011
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.	
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		Continued.	BLR T/L.	24/07/2011
Khaparkheda Unit 2	210	20/07/2011	17.05	22/07/2011	10.45	Boiler Tube Leakage.	
Koradi Unit 7	210	22/07/2011	00.05	22/07/2011	04.20	Reverse power mode.	
Uran Unit 8	108	22/07/2011	09.48	22/07/2011	21.16	Generator T/F Oil Leakage From Bushing.	
Khaparkheda Unit 2	210	22/07/2011	17.53		Continued.	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		Continued.	Coal Mill Line Problem.	
Parli Unit 6	250	23/07/2011	05.36		Continued.	Flame Failure.	
Bhusawal Unit 2	210	23/07/2011	06.20		Continued.	Withdran.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jul/2011

Position as on 6.30 Hrs of 23/Jul/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
MUDSHINGI-CHIKODI	22/07/2011	09.02	22/07/2011	14.50	Q.M.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - I	06/07/2011	18.16		Continued.	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-S'Sarovar I	21/07/2011	22.36	22/07/2011	10.09	Over Voltage.
Karad - Solapur (PGCIL)	21/07/2011	23.17	22/07/2011	07.19	Over Voltage.
Dhule - S'Sarovar - II	22/07/2011	03.49	22/07/2011	07.31	Over Voltage.
Dhule-Sar'Sarovar - I	22/07/2011	14.17	22/07/2011	19.48	Over Voltage.
Dhule-Sar'Sarovar - II	23/07/2011	00.45		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha - Akola - II	09/07/2011	00.03		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha - Nagothane- II	22/07/2011	08.25	22/07/2011	17.14	Rand M.& Testing Work.
400 KV Bus Coupler @ Nagothane	22/07/2011	13.27	22/07/2011	18.11	B Bus Isolator Problem.
400/220KV 315 MVA ICT-II @ Padgha	22/07/2011	15.09	22/07/2011	16.45	RTV Silicon on Terminal Connection of Bucholz Realy.
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).
Kolhapur - Peth	20/07/2011	10.15	22/07/2011	18.18	Overhauling of SF6 breaker upto 22.07.2011.
220/132 KV 200 MVA ICT-II @ Boiser	22/07/2011	16.37	22/07/2011	18.15	Attending Hot Spot.
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.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	13/07/2011	17.34		Continued.	Over Voltage
Bhusawal- Aurangabad	17/07/2011	18.20		Continued.	Over Voltage.
C'pur-Parli II	22/07/2011	01.48	22/07/2011	06.07	Over Voltage.
Lonikand- Koyna Stage IV	22/07/2011	23.05		Continued.	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-	20/07/2011	17.07		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jul/2011

Position as on 6.30 Hrs of 23/Jul/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
II					
Pophali - KDPH	21/07/2011	10.40	22/07/2011	01.10	Unbalancing current Y ph.conductor broken.
220/132KV,100 MVA ICT at Hingoli.	21/07/2011	16.50		Continued.	ICTs LV side protection panel B ph.CT winding burst.
Girawli - Parly - IV	21/07/2011	23.51	22/07/2011	14.53	Main Breaker Problem.
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.
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.
Karad - Miraj	22/07/2011	06.10	22/07/2011	06.25	Distance protection.
Peth-Nigde	22/07/2011	11.55	22/07/2011	12.06	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Jul/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	80
Unit 6	210	125
Unit 7	210	100
	620	305
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	0	
	420	320
Parli		
Unit 3	210	120
Unit 4	210	115
Unit 5	210	125
Unit 6	250	60
Unit 7	250	140
	1130	560
Chandrapur		
Unit 1	210	110
Unit 2	210	80
Unit 3	210	150
Unit 4	210	150
Unit 5	500	300
Unit 6	500	0
Unit 7	500	0
	2340	790
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
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	160
Unit 5	210	150
	870	310
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	60
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	2
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	266
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	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3640
	3455	3640