



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Jul/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Jul/2011 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	84.920	1463.072	1) Madhya Pradesh	54.230	809.249
2) Hydro	9.560	225.940	2) Gujrat	20.984	385.262
3) Gas	5.104	165.414	3) Goa	-4.623	-96.353
Total MSGENCO	99.584	1854.426	4) TAPS 1&2 (Inj.)	7.883	131.449
B) OTHERS			5) Pench (Excess)	-0.074	-1.325
1) RGPPL Gas	39.008	653.810	# Total Cent. Sector	78.400	1228.282
2) Wind Generation	14.647	284.294	F) Other Exchanges		
3) CPP	23.182	507.290	1) With TPCL (Excess)	-8.546	-184.757
4) PENCH (MS)	0.074	1.325	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	10.093	224.351
1) TPCL Thermal	19.222	409.555	Include PX	0.000	7.925
2) TPCL Hydro	3.316	89.065	2) MUMBAI Bilateral	10.118	202.741
TOTAL TPCL	22.538	498.620	Include PX	-0.797	-36.570
3) REL Thermal	11.889	199.816	3) MUMBAI Schedule	10.118	204.779
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	116.031	2072.443	1) MSEDCL	246.349	4344.670
2) Hydro (A2+B3+C2)	12.950	316.330	2) TPCL	28.301	590.407
3) Gas (A3+B1)	44.112	819.224	3) REL	14.667	292.725
4) Wind (B2)	14.647	284.294	TOTAL STATE	289.317	5227.802
5) CPP (B3)	23.182	507.290			
TOTAL STATE	210.922	3999.581			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3405	3766	3475
MSGENCO Hydro	595	1223	142
MSGENCO Gas	250	140	290
MSGENCO Total Generation	4250	5129	3907
Central Sector Receipt	3710	3031	2912
RGPPL	1622	1626	1626
WIND	607	567	538
CPP	948	997	1039
Exchange with Mumbai	-443	-441	-256
MSEDCL DEMAND MET	10694	10934	9766
Load Shedding (LS)	40	37	40
MSEDCL DEMAND (INCL. LS)	10734	10971	9806
TPCL GENERATION	1034	1102	826
REL GENERATION	524	525	423
TPCL+REL DEMAND	2001	2068	1505
STATE DEMAND MET	12695	13002	11271
Load Management (LM)	1089	2197	1097
Total Load Relief (LS+LM)	1129	2234	1137
UNRESTRICTED STATE DEMAND	13824	15236	12408
Frequency (Hz)	49.89	49.91	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 17.42 Hrs	49.62 Hz at 12.02 Hrs	49.97	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 17/Jul/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.31	62.33	150	114	150
Unit 6	3.74	62.05	170	133	165
Unit 7	4.10	59.73	200	145	190
	11.15	184.11			505
Bhusawal					
Unit 2	4.04	43.36	175	150	180
Unit 3	3.96	37.06	175	155	170
Unit 4		0.00	0	0	
	8.00	80.41			350
Parli					
Unit 3	0.00	32.15	0	0	0
Unit 4	0.36	23.88	72	0	0
Unit 5	2.47	39.17	149	17	110
Unit 6	0.00	0.00	0	0	0
Unit 7	3.69	41.47	184	118	125
	6.52	136.68			235
Chandrapur					
Unit 1	3.04	53.25	142	117	140
Unit 2	2.75	45.84	130	101	120
Unit 3	3.93	67.24	176	145	180
Unit 4	3.95	66.62	170	157	170
Unit 5	8.51	150.22	410	300	350
Unit 6	0.00	95.70	0	0	0
Unit 7	0.00	0.00	0	0	0
	22.18	478.87			960
Paras					
Unit 3	4.08	62.68	190	145	150
Unit 4	4.02	67.83	185	139	170
	8.10	130.51			320
Khaparkheda					
Unit 1	4.28	72.82	200	160	157
Unit 2	4.55	71.44	200	172	178
Unit 3	5.03	79.46	219	192	213
Unit 4	5.01	82.68	222	188	212
Unit 5		0.00	0	0	0
	18.87	306.40			760
Nasik					
Unit 1		0.00	0	0	
Unit 2		0.00	0	0	
Unit 3	3.26	50.89	185	100	140
Unit 4	3.46	42.02	173	12	160
Unit 5	3.39	53.18	169	101	120
	10.10	146.09			420
Uran					
All Units	5.10	165.41	293	134	280
	5.10	165.41			280
Dabhol					
RGPPL	39.01	653.81	1635	1618	1590
	39.01	653.81			1590
Koyna					
Stage 1-2	1.31	57.21	165	40	530
Stage 4	0.47	67.81	226	0	250
Stage 3	3.00	39.70	320	0	320
	4.78	164.72			1100
Kovna 12&4 Total	1.78	125.02			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.26	11.46	61	0	0
TILLARI	0.73	6.27	61	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.50	7.91	82	0	80
RNGR+BHTSA	0.06	2.34	3	2	1
BHANDARDRA	0.60	7.40	46	11	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.14	13.22	55	44	10
GHATGHAR	1.48	12.62	252	0	0
	4.78	61.22			181
PENCH (MS)					
Pench (MS)	0.07	1.32	25	0	
	0.07	1.32			
Wind					
MalharPeth	0.66	11.62			
Vankuswadi	2.06	26.26			
ATIT	0.30	8.65			
Kale	0.81	8.44			
Satara	0.68	20.26			
Shirala	0.84	9.49			
K Mahankal	3.41	18.34			
Supa	0.21	3.27			
Vita	4.35	46.39			
Dondaicha	0.18	81.26			
Sakri	0.05	12.42			
Nandurbar	0.03	8.62			
Khandke	0.85	16.80			
Khaparale	0.23	12.46			
	14.65	284.29			
CPP					
JSW JAIGAD	13.05	298.03	658	439	635
WARDHA	5.66	123.40	288	187	280
Other CPPs	4.47	85.85			
	23.18	507.29			915
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.18	167.70	490	450	490
Trombay 6	3.60	103.26	150	150	250
Trombay 7A	2.87	48.19	121	119	120
Trombay 7B	1.57	26.65	66	64	60
Trombay 8	0.00	63.76	0	0	0
TATA Hydro	3.32	89.06	308	0	447
	22.54	498.62			1367
REL					
1&2	11.89	199.82	525	419	500
	11.89	199.82			500
Cent Sect					
Share					3463
					3463

MS PG CL	Thermal	84.92	1463.07			3550
	Thml+Gas	90.02	1628.49			3830
	Hydro	9.56	225.94			1281
	Total	99.58	1854.43			5111
State Total		210.92	3999.58			12946

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/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	3403	109	291	3803	1621	422	1054	3049	3250	-430	-306	9844	1284	9884	1709	12837	49.85
2	3431	98	291	3820	1621	531	1021	2836	3238	-400	-282	9949	1197	9989	1603	12749	49.93
3	3464	147	290	3901	1620	585	1028	3074	2977	-400	-260	9851	1170	9891	1532	12553	49.90
4	3475	142	290	3907	1626	538	1039	3108	2912	-400	-256	9766	1137	9806	1505	12408	50.01
5	3518	137	288	3943	1632	540	1026	3097	2969	-400	-253	9857	1145	9897	1495	12497	50.01
6	3523	156	285	3964	1623	495	1022	3165	3409	-400	-285	10228	1251	10268	1510	12989	49.95
7	3490	319	290	4099	1629	597	1007	3050	3519	-400	-318	10533	1252	10573	1535	13320	50.08
8	3543	476	290	4309	1632	548	996	3015	3222	-400	-332	10375	1252	10415	1585	13212	50.05
9	3526	496	293	4315	1622	615	1007	3083	3111	-400	-320	10350	1252	10390	1713	13315	49.94
10	3548	543	283	4374	1624	602	919	2973	3339	-430	-381	10477	1222	10517	1855	13554	49.94
11	3464	573	279	4316	1624	648	921	3100	3524	-402	-406	10627	1171	10667	1947	13745	49.97
12	3405	595	250	4250	1622	607	948	3130	3710	-434	-443	10694	1129	10734	2001	13824	49.89
13	3375	508	140	4023	1618	648	930	3115	3767	-439	-470	10516	1127	10556	1984	13627	49.85
14	3329	443	143	3915	1626	731	890	3074	3628	-407	-385	10405	1127	10445	1909	13441	50.01
15	3524	260	141	3925	1631	769	883	3000	3351	-348	-344	10215	1130	10255	1839	13184	49.97
16	3527	239	144	3910	1635	796	885	2930	3313	-322	-321	10218	1152	10258	1794	13164	50.04
17	3542	245	134	3921	1633	778	889	2916	3458	-430	-311	10368	1196	10405	1806	13370	50.07
18	3600	286	137	4023	1630	774	886	2998	2989	-400	-364	9938	1349	9975	1826	13113	50.14
19	3640	341	143	4124	1621	730	907	3258	3131	-430	-356	10157	2016	10194	1857	14030	50.01
20	3741	980	140	4861	1622	552	993	3374	3147	-466	-427	10760	2225	10797	2009	14994	49.90
21	3766	1223	140	5129	1626	567	997	3432	3031	-509	-441	10934	2234	10971	2068	15236	49.91
22	3710	734	141	4585	1629	520	1011	3446	3263	-509	-437	10596	2234	10633	2045	14875	49.96
23	3688	326	141	4155	1619	543	976	3394	3044	-509	-438	9911	2234	9948	1992	14137	49.91
24	3687	184	140	4011	1622	511	947	3221	3098	-455	-410	9779	1998	9816	1854	13631	49.95
MUs	84.92	9.56	5.10	99.58	39.01	14.65	23.18	74.84	78.40	-10.12	-8.55	246.35	34.48	247.28	42.97	323.80	49.97

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 17/Jul/2011

Position as on 6.30 Hrs of 18/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.	22/07/2011
Parli Unit 6	250	16/06/2011	05.50		Continued.	Annual Overhaul	20/07/2011
Chandrapur Unit 7	500	29/06/2011	21:40		Continued.	COH	16/08/2011
Koyna Unit 4	75	07/07/2011	11:20		Continued.	Runner Replacement Work.	22/07/2011
Parli Unit 3	210	13/07/2011	07.15		Continued.	Coal mill problem.	20/07/2011
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
FORCED OUTAGE							
Uran Unit 8	108	06/06/2011	23.12		Continued.	Bus Bar Protection operated,as Y-Ph BKR pole of Uran U-5 burst.	10/08/2011
Parli Unit 4	210	09/07/2011	13.10	17/07/2011	17.20	Low Condenser Vacuum.	
Chandrapur Unit 6	500	12/07/2011	17.24		Continued.	Boiler Tube Leakage.	19/07/2011
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.	
Nasik Unit 4	210	17/07/2011	12.24	17/07/2011	14.00	High Drum Level.	
CPP WPCL U-3	135	18/07/2011	01.57	18/07/2011	04.57	Flame Failure	
CPP WPCL U-1	135	18/07/2011	07.03		Continued.	Tripped.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Jul/2011

Position as on 6.30 Hrs of 18/Jul/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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.
Dhule-Sar'Sarovar - II	15/07/2011	23.37		Continued.	Over Voltage.
Kolhapur - Mapusa - I	16/07/2011	17.33		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	16/07/2011	22:53	17/07/2011	08.56	Over Voltage.
Dhule-Sar'Sarovar - I	17/07/2011	18.11		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	17/07/2011	21.59	18/07/2011	09.42	Over Voltage.
Karad - Solapur (PGCIL)	18/07/2011	21.40		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha - Akola - II	09/07/2011	00.03		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
Chandrapur - Padgha Pole -I	17/07/2011	07.38	17/07/2011	14.20	To Attend Oil Leakage on Y Ph Converter T/F.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kalwa - Padgha - I	16/07/2011	23:21	17/07/2011	00:29	Replacement of Differencial.
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
Koradi-Butibori	15/07/2011	10.37		Continued.	Control Panel Shifting Work.
220/132 KV,200 MVA ICT-II At Chalisgaon	17/07/2011	12.06	17/07/2011	13.10	For Reconnecting the CT TO Auxiliary Jumpers of ICT-II After Isolator Replacement Under LES.
Pedambe-Kharepatan	18/07/2011	09.00	18/07/2011	17.16	Stringing work.
New Koyna - Pawas	18/07/2011	09.04	18/07/2011	14.28	400KV Jaigad-Karad D/C line crossing work.
Bhusawal-Chalisgaon-I	18/07/2011	09.21		Continued.	Line Isolator Replacement Work.
Shendra-Jalna Ckt.	18/07/2011	10.25	18/07/2011	15.57	Q.M.Work
Dondaicha - Jamde - II.	18/07/2011	15.11	18/07/2011	15.34	Relay testing work.
Dondaicha - Jamde - I	18/07/2011	15.37	18/07/2011	16.05	Relay testing work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Kawalewada-Gondia-I	18/07/2011	10.22	18/07/2011	13.24	Disc insulator replacement work.
Kawlewada-Gondia-II	18/07/2011	10.23	18/07/2011	13.26	Disc insulator replacement work.
Chalisgaon - Manmad - I	18/07/2011	12.23	18/07/2011	15.39	Removing of jumpers of CT to transfer Bus.
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Ratnagiri - Pedambe	18/07/2011	09.05	18/07/2011	18.05	400KV Jaigad-Karad D/C line crossing work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Boiser-Versova	18/07/2011	06.31	18/07/2011	07.48	Red Hot attending work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	06/07/2011	17.59	17/07/2011	10.55	Over Voltage.
Karad - Kolhapur - II	13/07/2011	17.34		Continued.	Over Voltage

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Jul/2011

Position as on 6.30 Hrs of 18/Jul/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Lonikand- Koyna Stage IV	16/07/2011	22.53	17/07/2011	09.17	Over Voltage.
Bhusawal- Aurangabad	17/07/2011	18.20		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	17/07/2011	23.06	18/07/2011	07.43	Over Voltage.
Lonikand - Chakan	18/07/2011	10.51	18/07/2011	17.55	O/L of 220KV Chakan-Chinchwad loading.
Lonikand- Koyna Stage IV	18/07/2011	22.35		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.
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 Assembly for Bus Coupler.
400/220 KV 315 MVA ICT-III @ Padgha	18/07/2011	08.51	18/07/2011	09.58	Overload Protection trip.
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.
Kharepatan-Pawas	17/07/2011	12.34	17/07/2011	12.48	Back up Protection.
Bhosari - Chakan	18/07/2011	02.34	18/07/2011	17.50	B Ph C T Burst @ Chakan End.
Voltage Level : 132KV			Outage Type TRIPPED		
Paras - Warwat Bakal	18/07/2011	14.20	18/07/2011	22.07	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Jul/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	145
Unit 6	210	145
Unit 7	210	180
	620	470
Bhusawal		
Unit 2	210	170
Unit 3	210	180
Unit 4	0	
	420	350
Parli		
Unit 3	210	0
Unit 4	210	110
Unit 5	210	110
Unit 6	250	0
Unit 7	250	180
	1130	400
Chandrapur		
Unit 1	210	145
Unit 2	210	120
Unit 3	210	160
Unit 4	210	170
Unit 5	500	350
Unit 6	500	0
Unit 7	500	0
	2340	945
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	200
Unit 4	210	210
Unit 5	0	
	840	800
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	180
Unit 4	210	170
Unit 5	210	160
	870	510
Uran		
All Units	852	130
	852	130
Dabhol		
RGPP	1940	1590
	1940	1590
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Hydro		
KDPH	40	0

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	61
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	1
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	27
GHATGHAR	250	0
	611	259
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	280
Other CPPs	0	
	1005	915
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1617
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3473
	3455	3473