



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 18/Jul/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	102.406	1777.213	1) Gujrat	1.185	-7.846
2) Hydro	5.361	156.234	2) Madhya Pradesh	12.954	262.680
3) Gas	10.817	179.855	3) Chattisgarh	10.680	200.570
Total MSGENCO	118.584	2113.302	4) Maharashtra	50.300	905.736
B) OTHERS			5) Goa	-5.678	-106.762
1) JSW JAIGAD	21.799	492.662	6) TAPS 1&2 Injection	3.690	124.238
2) WPCL	10.011	163.957	7) RGPPL Injection	20.107	326.611
3) Other CPP / IPP	5.119	106.848	8) Pench (Excess)	-0.073	-1.384
4) Wind Generation	25.170	312.876	# Total Cent. Sector	93.165	1703.843
5) PENCH (MS)	0.073	1.384	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.291	-205.578
1) TPCL Thermal	29.864	489.630	G) Bilateral Power *		
2) TPCL Hydro	4.284	67.642	1) MSEDCL Bilateral	23.396	460.738
TOTAL TPCL	34.148	557.272	Include PX	0.000	0.950
3) REL Thermal	12.591	224.462	2) MUMBAI Bilateral	13.706	239.113
D) STATE			Include PX	1.338	9.342
1) Thermal (A1+C1+C3)	144.861	2491.305	3) MUMBAI Schedule	13.706	239.113
2) Hydro (A2+B5+C2)	9.718	225.260	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.817	179.855	1) MSEDCL	263.630	4689.294
4) Wind (B4)	25.170	312.876	2) TPCL	38.360	662.209
5) CPP (B1+B2+B3)	36.929	763.467	3) REL	18.666	325.075
TOTAL STATE	227.495	3972.763	TOTAL STATE	320.656	5676.578

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4888	3991	4350
MSGENCO Hydro	305	471	55
MSGENCO Gas	453	440	447
MSGENCO Total Generation	5646	4902	4852
Central Sector Receipt	4178	4095	3393
WIND	1033	1240	950
CPP / IPP	1562	1556	1494
Exchange with Mumbai	-575	-410	-344
MSEDCL DEMAND MET	11844	11406	10345
Load Shedding	575	577	182
MSEDCL DEMAND	12419	11983	10527
TPCL GENERATION	1771	1614	846
R-INFRA GENERATION	523	524	525
TPCL+R-INFRA DEMAND	2869	2548	1715
STATE DEMAND MET	14713	13954	12060
STATE DEMAND	15288	14531	12242
Frequency (Hz)	49.47	49.39	49.64

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.07 Hz at 08.01 Hrs	48.79 Hz at 22.05 Hrs	49.52	10.72 % 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 18/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.28	46.67	106	84	90
Unit 6	1.98	35.79	143	0	0
Unit 7	3.40	63.60	160	120	140
Total	7.65	146.07			230
Bhusawal					
Unit 2	3.33	59.13	150	120	140
Unit 3	3.46	47.87	160	130	140
Unit 4	3.64	39.69	341	0	
Unit 5	0.00	0.00	0	0	
Total	10.44	146.69			280
Parli					
Unit 3	0.00	37.27	0	0	0
Unit 4	3.48	56.02	166	120	160
Unit 5	3.44	59.72	163	120	140
Unit 6	4.46	25.14	215	147	145
Unit 7	0.00	40.36	0	0	0
Total	11.37	218.51			445
Chandrapur					
Unit 1	3.21	58.86	145	112	150
Unit 2	2.99	59.94	151	94	150
Unit 3	4.03	72.24	184	145	165
Unit 4	4.26	78.57	195	162	200
Unit 5	7.01	152.97	390	215	350
Unit 6	6.94	161.60	465	210	325
Unit 7	6.52	115.58	344	145	280
Total	34.95	699.76			1620
Paras					
Unit 3	5.06	11.44	248	172	250
Unit 4	5.27	48.49	255	156	250
Total	10.33	59.93			500
Khaparkheda					
Unit 1	3.99	77.61	195	130	210
Unit 2	0.00	0.00	0	0	0
Unit 3	4.97	84.03	217	190	210
Unit 4	4.73	84.62	215	185	210
Unit 5	4.28	75.02	259	0	250
Total	17.97	321.28			880
Nasik					
Unit 3	5.14	68.97	220	200	210
Unit 4	4.56	79.10	202	180	200
Unit 5	0.00	36.90	0	0	0
Total	9.69	184.97			410
Uran					
All Units	10.82	179.86	464	438	430
Total	10.82	179.86			430
PENCH (MS)					
Pench (MS)	0.07	1.38	24	0	
Total	0.07	1.38			
Koyna					
Stage 1-2	2.34	51.08	310	35	530
Stage 4	0.37	42.18	241	0	250
Stage 3	1.28	30.82	222	0	240
Kovna 12&4 Total	2.71	93.26			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.99	124.07			1020
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.00	12.32	0	0	0
TILLARI	0.23	2.14	60	0	54
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.44	6.05	80	0	80
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.34	1.76	14	14	14
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.09	1.40	11	1	8
GHATGHAR	0.28	7.53	125	0	0
Total	1.37	32.16			156
Wind					
MalharPeth	1.64	17.56			
Vankuswadi	2.03	26.64			
ATIT	0.26	6.01			
Kale	0.76	8.67			
Satara	2.36	36.84			
Shirala	1.04	10.39			
K Mahankal	1.53	24.62			
Supa	0.47	4.63			
Vita	3.64	51.62			
Dondaicha	7.46	77.56			
Sakri	1.00	11.61			
Nandurbar	0.65	7.81			
Khandke	1.16	17.28			
Khaparale	1.16	11.61			
Total	25.17	312.88			
CPP					
JSW JAIGAD	21.80	492.66	920	879	825
WARDHA	10.01	163.96	455	371	451
Other CPPs	5.12	106.85			
Total	36.93	763.47			1276
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.35	192.15	504	289	500
Trombay 6	8.45	119.07	504	156	500
Trombay 7A	2.80	50.85	124	98	120
Trombay 7B	1.55	28.30	67	58	60
Trombay 8	5.72	99.25	250	168	250
TATA Hydro	4.28	67.64	420	0	447
Total	34.15	557.27			1877
REL					
1&2	12.59	224.46	527	522	500
Total	12.59	224.46			500
Cent Sect					
Share					4585
Total					4585

MS PG CL	Thermal	102.41	1777.21			4365
	Thml+Gas	113.22	1957.07			4795
	Hydro	5.36	156.23			1176
	Total	118.58	2113.30			5971
State Total		227.50	3972.76			14209

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/Jul/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	4425	245	438	5108	1078	1510	4253	3545	-131	-433	10808	142	10950	2048	12998	49.38
2	4404	60	447	4911	935	1509	4164	3494	-132	-262	10587	172	10759	1867	12626	49.54
3	4303	55	450	4808	791	1494	4149	3569	-432	-308	10354	188	10542	1769	12311	49.51
4	4350	55	447	4852	950	1494	4140	3393	-432	-344	10345	182	10527	1715	12242	49.64
5	4351	55	444	4850	952	1491	4127	3445	-767	-359	10379	164	10543	1711	12254	49.61
6	4427	195	452	5074	924	1493	4123	3792	-485	-360	10923	304	11227	1792	13019	49.42
7	4551	85	452	5088	1028	1497	4145	3806	-485	-315	11104	761	11865	1897	13762	49.66
8	4541	50	454	5045	996	1497	4200	3826	-539	-380	10984	818	11802	2008	13810	49.75
9	4638	87	464	5189	930	1497	4199	3820	-539	-397	11039	891	11930	2266	14196	49.65
10	4610	298	454	5362	1027	1507	4253	4095	-589	-425	11566	631	12197	2620	14817	49.54
11	4888	305	453	5646	1033	1562	4365	4178	-621	-575	11844	575	12419	2869	15288	49.47
12	4665	214	455	5334	951	1581	4528	4183	-680	-609	11440	661	12101	2916	15017	49.49
13	4281	228	452	4961	923	1575	4527	4366	-676	-575	11250	723	11973	2897	14870	49.47
14	4230	70	457	4757	1115	1560	4041	4017	-637	-434	11015	640	11655	2799	14454	49.55
15	4172	457	450	5079	1043	1572	4033	3879	-630	-454	11119	560	11679	2821	14500	49.55
16	4125	685	450	5260	1034	1590	4034	3844	-632	-482	11246	582	11828	2815	14643	49.50
17	4049	357	450	4856	1156	1589	4015	3823	-600	-478	10946	669	11615	2797	14412	49.55
18	4044	76	451	4571	943	1562	4028	3763	-574	-505	10334	647	10981	2758	13739	49.58
19	4037	108	458	4603	1152	1572	4169	4004	-574	-441	10890	478	11368	2685	14053	49.44
20	4015	425	452	4892	1078	1569	4334	4185	-645	-453	11277	577	11854	2670	14524	49.61
21	3991	471	440	4902	1240	1556	4392	4095	-709	-410	11406	577	11983	2548	14531	49.39
22	3795	342	450	4587	1221	1560	4408	3917	-729	-421	10888	523	11411	2385	13796	49.34
23	3783	216	442	4441	1347	1536	4300	4202	-737	-452	11094	213	11307	2257	13564	49.43
24	3731	222	455	4408	1323	1556	4196	3924	-729	-419	10792	149	10941	2120	13061	49.40
MUs	102.41	5.36	10.82	118.58	25.17	36.93	101.12	93.16	-13.71	-10.29	263.63	11.83	275.46	57.03	332.49	49.52

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 18/Jul/2012

Position as on 6.30 Hrs of 19/Jul/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Khaparkheda Unit 2	210	01/06/2012	05.45		Continued.	Annual overhaul.	19/07/2012
Hydro GHATGHAR	250	05/07/2012	15.30		Continued.	For AOH.	
Nasik Unit 5	210	12/07/2012	00.35		Continued.	Annual Overhaul	15/08/2012
Koradi Unit 6	210	12/07/2012	23.56	18/07/2012	06.24	Boiler Validity expired.	
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Koyna Unit 11	80	18/06/2012	08.00		Continued.	Stator E/F.	17/08/2012
Cent_Sect NTPC(V-8)	500	23/06/2012	23.38		Continued.	Boiler tube leakage.	
Dabhol 3B	230	25/06/2012	09.41		Continued.	Gas Shortage	
Koyna Unit 4	75	28/06/2012	07.10		Continued.	All Injectors Insitu Meter Filling Work.	20/07/2012
Dabhol 1B	230	06/07/2012	10.27		Continued.	Gas Shortage.	
Dabhol 2A	230	10/07/2012	17.28		Continued.	Gas Shortage	
Parli Unit 3	210	13/07/2012	02.54		Continued.	P A Fan problem.	
Uran Unit 6	108	13/07/2012	22.00		Continued.	Gas Shortage	
Dabhol 2X	290	14/07/2012	22.55		Continued.	Gas Shortage	
Dabhol 2B	230	14/07/2012	23.01		Continued.	Gas Shortage	
CPP JSW (J) U1	300	15/07/2012	18.44		Continued.	On cooling water problem.	
Parli Unit 7	250	16/07/2012	18.15		Continued.	Coal shortage and Watercrisis.	
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refilling work.	
Koyna Unit 8	80	18/07/2012	09.00	18/07/2012	16.25	Checking of CW system of Generator	
Bhusawal Unit 4	500	18/07/2012	12.00		Continued.	Class A Protection operated	
Khaparkheda Unit 5	500	18/07/2012	21.02		Continued.	CHP Problem	
Bhusawal Unit 2	210	19/07/2012	05.46		Continued.	Flame Failure	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Jul/2012

Position as on 6.30 Hrs of 19/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Bhoisor (PGCIL)	18/07/2012	11.10		Continued.	Breaker Problem(Taken on TBC)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik-Navsari-I	18/07/2012	09.55	18/07/2012	19.09	Replacement of Disc Insulator
Voltage Level : 400KV			Outage Type HAND TRIPPED		
765KV Seoni - Wardha - II	13/06/2012	16.09		Continued.	Over Voltage
Kolhapur-Solapur(PGCIL)-I	01/07/2012	00.37		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	04/07/2012	09.47		Continued.	PGCIL Work
Dhule-Sar'Sarovar - II	13/07/2012	11.20		Continued.	Over Voltage,Oppt. outage,availed on 14.07.2012 Jumper tightening work.(ready for charging at 16.40hrs.)
Akola - Wardha - I	16/07/2012	00.06	18/07/2012	11.13	Over Voltage.
Kolhapur - Mapusa - I	16/07/2012	17.10	18/07/2012	09.44	Over Voltage.
Kolhapur-Mapusa-II	18/07/2012	22.46		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
Parli - Solapur	18/07/2012	07.43	18/07/2012	16.28	Hot Spot
Main Bus-I at Girwali	18/07/2012	07.55	18/07/2012	15.47	Hot Spot
400/220KV,315MVA ICT-I at Karad	18/07/2012	10.53	18/07/2012	15.36	Q.M.Work
400/220KV 315MVA ICT-II @ Kharghar	18/07/2012	10.53	18/07/2012	17.50	D.C.Leakage
New Koyna - Dabhol - I	18/07/2012	11.14	18/07/2012	16.06	Replacement of CVT Faulty cable
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girwali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
220/132 KV 100 MVA ICT at Bhandara	17/07/2012	10.45	18/07/2012	16.33	Fixing of Differential and Backup Relay
Lamboti-Solapur-II	18/07/2012	08.14		Continued.	Replacement of Conductor
Karkumbh-Jeur	18/07/2012	16.45	18/07/2012	19.36	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV 167 MVA Spare ICT at Khaparkheda	20/06/2012	10.17		Continued.	Low Oil Pressure Alarm Received.
Bhusawal- Aurangabad	27/06/2012	17.04		Continued.	Over Voltage,Outage Availed @ 09.15 Hrs for Replacing Broken Line Spacer & Fixing Repair Siecre for Broken Conductor (Ready for Charging from 10.42 Hrs).
Aurangabad-Deepnagar-II	03/07/2012	15.29		Continued.	Over Voltage
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.
Karad-Kolhapur-II	17/07/2012	17.00	18/07/2012	09.39	Over Voltage
Karad - Kolhapur - II	18/07/2012	17.07		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bale-Osmanbad	09/07/2012	12.30		Continued.	To control Parli ICT loading.
Padgha - Temghar - II	09/07/2012	16.33		Continued.	For Padgha ICT loading.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Jul/2012

Position as on 6.30 Hrs of 19/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	26/06/2012	20.43		Continued.	R Phase LV side CT Burst
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
220/22KV 50MVA T/F-I at Mulund	18/07/2012	21.05		Continued.	LV Side B Pole Breaker Burst
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa-Washi	18/07/2012	20.49	18/07/2012	21.09	Tripped at Kalwa
Std.Alkali - washi	18/07/2012	20.49	18/07/2012	21.09	Distance Protection
Kalwa-Standard	18/07/2012	20.49	18/07/2012	21.09	Tripped at Standard

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 19/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	95
Unit 6	210	115
Unit 7	210	130
	620	340
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	500	
Unit 5	500	
	1420	150
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	145
Unit 6	250	200
Unit 7	250	0
	1130	495
Chandrapur		
Unit 1	210	125
Unit 2	210	140
Unit 3	210	180
Unit 4	210	200
Unit 5	500	300
Unit 6	500	250
Unit 7	500	250
	2340	1445
Paras		
Unit 3	250	180
Unit 4	250	200
	500	380
Khaparkheda		
Unit 1	210	190
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	0
	1340	610
Nasik		
Unit 3	210	210
Unit 4	210	200
Unit 5	210	0
	630	410
Uran		
All Units	852	430
	852	430
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	14
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	
	611	102
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	825
WARDHA	405	451
Other CPPs	0	
	1005	1276
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4158
	3455	4158

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