



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Jul/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Jul/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	106.595	1050.345	1) Gujrat	1.573	-21.922
2) Hydro	6.935	79.785	2) Madhya Pradesh	15.921	152.149
3) Gas	7.176	118.105	3) Chattisgarh	10.940	122.560
Total MSGENCO	120.706	1248.235	4) Maharashtra	51.610	551.021
B) OTHERS			5) Goa	-5.988	-65.304
1) JSW JAIGAD	29.153	313.163	6) TAPS 1&2 Injection	7.290	80.707
2) WPCL	9.345	96.993	7) RGPPL Injection	19.147	207.865
3) Other CPP / IPP	6.132	67.117	8) Pench (Excess)	-0.070	-0.845
4) Wind Generation	12.067	198.205	# Total Cent. Sector	100.423	1026.231
5) PENCH (MS)	0.070	0.845	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.543	-128.604
1) TPCL Thermal	30.390	292.550	G) Bilateral Power *		
2) TPCL Hydro	4.331	41.611	1) MSEDCL Bilateral	22.974	289.184
TOTAL TPCL	34.721	334.161	Include PX	-0.669	1.096
3) REL Thermal	12.557	136.418	2) MUMBAI Bilateral	14.118	139.824
D) STATE			Include PX	0.933	2.320
1) Thermal (A1+C1+C3)	149.542	1479.313	3) MUMBAI Schedule	14.118	139.824
2) Hydro (A2+B5+C2)	11.336	122.241	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.176	118.105	1) MSEDCL	268.353	2822.185
4) Wind (B4)	12.067	198.205	2) TPCL	38.336	402.233
5) CPP (B1+B2+B3)	44.630	477.273	3) REL	18.485	196.926
TOTAL STATE	224.751	2395.137	TOTAL STATE	325.174	3421.344

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4474	4651	4103
MSGENCO Hydro	745	693	41
MSGENCO Gas	301	290	296
MSGENCO Total Generation	5520	5634	4440
Central Sector Receipt	4677	3972	3830
WIND	267	821	435
CPP / IPP	1845	1915	1853
Exchange with Mumbai	-533	-475	-122
MSEDCL DEMAND MET	11776	11891	10436
Load Shedding	524	450	35
MSEDCL DEMAND	12300	12341	10471
TPCL GENERATION	1804	1557	1078
R-INFRA GENERATION	525	525	527
TPCL+R-INFRA DEMAND	2862	2557	1727
STATE DEMAND MET	14638	14448	12163
STATE DEMAND	15162	14898	12198
Frequency (Hz)	49.73	49.49	49.61

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 08.04 Hrs	49.01 Hz at 22.05 Hrs	49.73	1.31 % 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 11/Jul/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.20	29.12	149	112	135
Unit 6	2.95	30.63	150	88	145
Unit 7	4.12	40.98	180	150	175
Total	10.27	100.73			455
Bhusawal					
Unit 2	3.36	37.20	150	130	150
Unit 3	0.00	27.28	0	0	0
Unit 4	2.43	3.89	138	75	
Unit 5	0.00	0.00	0	0	
Total	5.79	68.38			150
Parli					
Unit 3	3.37	34.00	155	120	150
Unit 4	3.31	33.42	163	97	140
Unit 5	3.55	37.08	175	137	150
Unit 6	2.37	2.37	205	0	80
Unit 7	4.20	25.79	185	154	170
Total	16.81	132.65			690
Chandrapur					
Unit 1	3.52	36.88	150	140	150
Unit 2	3.64	38.70	161	146	160
Unit 3	4.15	44.74	184	145	180
Unit 4	4.40	49.32	199	135	200
Unit 5	9.52	93.58	455	325	350
Unit 6	9.20	103.06	440	300	350
Unit 7	8.74	58.04	398	323	375
Total	43.16	424.31			1765
Paras					
Unit 3	0.00	0.00	0	0	0
Unit 4	5.28	11.71	250	145	230
Total	5.28	11.71			230
Khaparkheda					
Unit 1	4.60	48.12	210	145	210
Unit 2	0.00	0.00	0	0	0
Unit 3	4.64	50.95	204	175	210
Unit 4	5.03	51.65	217	199	210
Unit 5	0.00	41.53	0	0	0
Total	14.27	192.25			630
Nasik					
Unit 3	3.12	35.62	205	0	50
Unit 4	4.12	47.80	192	141	190
Unit 5	3.78	36.88	191	30	180
Total	11.01	120.31			420
Uran					
All Units	7.18	118.10	322	280	290
Total	7.18	118.10			290
PENCH (MS)					
Pench (MS)	0.07	0.84	24	0	
Total	0.07	0.84			
Koyna					
Stage 1-2	2.82	27.92	335	40	530
Stage 4	1.54	14.06	270	0	250
Stage 3	1.26	15.82	160	0	240
Kovna 12&4 Total	4.35	41.98			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.61	57.80			1020
Hydro					
KDPH	0.00	0.13	0	0	0
VTRNA	0.90	9.93	61	0	60
TILLARI	0.00	1.79	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.35	3.50	81	0	80
RNGR+BHTSA	0.00	0.84	0	0	0
BHANDARDRA	0.00	0.67	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.08	0.85	11	1	9
GHATGHAR	0.00	4.27	0	0	0
Total	1.33	21.98			149
Wind					
MalharPeth	0.88	11.03			
Vankuswadi	0.99	16.74			
ATIT	0.45	4.18			
Kale	0.29	5.91			
Satara	1.32	27.09			
Shirala	0.72	7.34			
K Mahankal	1.30	14.69			
Supa	0.24	2.80			
Vita	3.13	35.26			
Dondaicha	1.28	44.95			
Sakri	0.35	6.32			
Nandurbar	0.12	4.68			
Khandke	0.74	11.38			
Khaparale	0.27	5.83			
Total	12.07	198.20			
CPP					
JSW JAIGAD	29.15	313.16	1221	1196	1100
WARDHA	9.34	96.99	440	374	376
Other CPPs	6.13	67.12			
Total	44.63	477.27			1476
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.92	118.08	504	467	500
Trombay 6	8.02	67.05	502	156	500
Trombay 7A	2.94	30.78	124	121	120
Trombay 7B	1.60	17.23	68	66	60
Trombay 8	5.90	59.42	248	243	250
TATA Hydro	4.33	41.61	405	0	447
Total	34.72	334.16			1877
REL					
1&2	12.56	136.42	527	511	500
Total	12.56	136.42			500
Cent Sect					
Share					4291
Total					4291

MS PG CL	Thermal	106.60	1050.34			4340
	Thml+Gas	113.77	1168.45			4630
	Hydro	6.94	79.78			1169
	Total	120.71	1248.24			5799
State Total		224.75	2395.14			13943

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/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	4255	216	293	4764	515	1852	4219	4170	-513	-407	10894	79	10973	2000	12973	49.68
2	4179	41	297	4517	547	1851	4200	3933	-513	-251	10597	57	10654	1831	12485	49.73
3	4103	41	296	4440	435	1853	3907	3830	-513	-122	10436	35	10471	1727	12198	49.61
4	4168	51	297	4516	414	1848	4019	3794	-440	-59	10513	37	10550	1668	12218	49.74
5	4226	46	303	4575	390	1853	4109	3932	-424	-35	10715	40	10755	1646	12401	49.85
6	4232	98	305	4635	374	1849	4125	4296	-439	-118	11036	240	11276	1732	13008	49.76
7	4261	296	307	4864	284	1852	4202	4090	-478	-222	10868	730	11598	1838	13436	49.86
8	4341	87	309	4737	264	1834	4274	4522	-554	-349	11008	802	11810	1986	13796	49.87
9	4360	55	322	4737	298	1851	4278	4666	-566	-430	11122	867	11989	2265	14254	49.88
10	4480	280	303	5063	297	1847	4277	4809	-566	-484	11532	602	12134	2631	14765	49.74
11	4474	745	301	5520	267	1845	4314	4677	-594	-533	11776	524	12300	2862	15162	49.73
12	4456	727	300	5483	295	1838	4436	4498	-713	-558	11556	592	12148	2905	15053	49.79
13	4550	453	300	5303	292	1832	4425	4388	-697	-536	11279	674	11953	2885	14838	49.73
14	4638	227	296	5161	278	1842	4392	4221	-661	-449	11053	589	11642	2750	14392	49.76
15	4653	261	293	5207	381	1839	4394	4378	-665	-495	11310	493	11803	2787	14590	49.65
16	4624	238	292	5154	525	1847	4382	4390	-665	-486	11430	503	11933	2826	14759	49.67
17	4651	132	300	5083	760	1844	4263	4148	-656	-528	11307	539	11846	2823	14669	49.91
18	4553	112	306	4971	650	1848	4142	4047	-591	-482	11034	319	11353	2760	14113	49.90
19	4649	129	300	5078	706	1869	3944	3837	-566	-394	11096	317	11413	2652	14065	49.79
20	4716	611	280	5607	735	1914	4040	3824	-587	-468	11623	468	12091	2652	14743	49.66
21	4651	693	290	5634	821	1915	4121	3972	-684	-475	11891	450	12341	2557	14898	49.49
22	4525	527	296	5348	861	1910	4120	3896	-702	-535	11504	431	11935	2467	14402	49.61
23	4516	575	297	5388	855	1904	4113	4057	-694	-600	11615	186	11801	2367	14168	49.46
24	4334	294	293	4921	823	1893	4019	4048	-635	-527	11158	135	11293	2204	13497	49.62
MUs	106.60	6.94	7.18	120.71	12.07	44.63	100.72	100.42	-14.12	-9.54	268.35	9.71	278.06	56.82	334.88	49.73

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 11/Jul/2012

Position as on 6.30 Hrs of 12/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.	15/07/2012
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
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Paras Unit 3	250	13/06/2012	17.05		Continued.	Structure collapse near ESP.	
Koyna Unit 11	80	18/06/2012	08.00		Continued.	Stator E/F.	17/08/2012
Parli Unit 6	250	23/06/2012	15.03	11/07/2012	02.18	Bunkering problem.	
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.	
Nasik Unit 3	210	07/07/2012	13.35	11/07/2012	05.15	E-Valve 31,heavy leakage.	
Uran Unit 8	108	07/07/2012	14.28		Continued.	Due to gas shortage.	
Khaparkheda Unit 5	500	08/07/2012	23.48		Continued.	Flame Failure.	
Bhusawal Unit 3	210	09/07/2012	23.42		Continued.	Boiler problem.	
Dabhol 2A	230	10/07/2012	17.28		Continued.	Gas Shortage	
Uran Unit 5	108	10/07/2012	21.35		Continued.	Gas Shortage	
Parli Unit 6	250	11/07/2012	07.24	11/07/2012	11.13	Air Flow pressure High	
Cent_Sect Sipat-4	500	11/07/2012	18.46		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Jul/2012

Position as on 6.30 Hrs of 12/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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 - I	04/07/2012	22.47		Continued.	Over Voltage
Kolhapur - Mapusa - I	10/07/2012	16.38		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Parli-Parli (PGCIL)-II	09/07/2012	16:02		Continued.	Distance Protection. Ready for charging. H.T. for O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220 KV315 MVA ICT-I @ BBLR	06/07/2012	09.49		Continued.	Dismantling of Y-Ph unit and re-erection of Y-Ph unit for overhauling(Kept on Humming at
400/220 KV 315 MVA ICT-I @ Koradi.	11/07/2012	08.08	11/07/2012	19.33	Retrofitting LV side Backup relay
Dabhol - New Koyna - I	11/07/2012	09.15	11/07/2012	18.03	R.M.and Testing work
400/220 KV 500 MVA ICT - I @ Lamboti	11/07/2012	10.01		Continued.	Replacement of 29A Isolator
400/220KV,500 MVA ICT-III at Kolhapur	11/07/2012	12.35	11/07/2012	12.37	First time charged from LV side.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
220/110KV 200MVA ICT-II at Mudshingi	09/07/2012	09.12		Continued.	Bus section II and III outage.
Chandrapur - Chandrapur MIDC	11/07/2012	08.36	11/07/2012	16.00	Measurement of Tan Delta of CT
Bablsr-Ranjangaon	11/07/2012	09.18	11/07/2012	18.20	Replacement of Insulator string
220/132 KV 200 MVA ICT - III @ Bale	11/07/2012	09.45	11/07/2012	18.25	Replacement of Diff.relay
Vita - Lamboti	11/07/2012	09.53	11/07/2012	16.55	Red Hot
220/132KV 100 MVA ICT-II at Dondaicha	11/07/2012	10.30	11/07/2012	20.50	Replacement of CTs
Mudsingi-Karad II	11/07/2012	10.36	11/07/2012	14.35	Q.M.Work
Ghodbhundur - Gorai	11/07/2012	10.44	11/07/2012	13.25	Cable safe guarding of 220KV cable
Hinganghat-TSS-I	11/07/2012	12.05	11/07/2012	19.13	Relay Testing work
Gadchandur-Virur-I	11/07/2012	13.15	11/07/2012	15.00	Hot Spot
Versova-Gorai	11/07/2012	14.31	11/07/2012	13.54	Cable safe guarding of 220KV cable
Gadchandur-Virur-II	11/07/2012	15.15	11/07/2012	16.15	Hot Spot
Talangade - Mudshingi - I	11/07/2012	15.37	11/07/2012	17.40	Testing work
Badnera-Akola ckt-I	11/07/2012	17.38		Continued.	Decapping at Loc.24
220/100KV,200 MVA ICT-I at Bapgaon	11/07/2012	17.50	11/07/2012	17.52	First time charged.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bale-Akkalkot	11/07/2012	09.45	11/07/2012	18.25	Replacement of LA

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Jul/2012

Position as on 6.30 Hrs of 12/Jul/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
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 Aailed @ 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
Karad - Kolhapur - II	10/07/2012	21.07	11/07/2012	09.05	Over Voltage
Karad - Kolhapur - II	11/07/2012	23.51		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Mudshingi-Wathar	09/07/2012	09.30		Continued.	Bus section II and III outage.
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.
Vita - Lamboti	12/07/2012	05.03		Continued.	To control Lamboti ICT Load
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
400/220KV 315 MVA ICT-I @ Padgha	12/07/2012	03.15		Continued.	Differential Protection
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Talangade - Mudshingi - I	10/07/2012	22.21	11/07/2012	02.55	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Jul/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	135
Unit 7	210	165
	620	440
Bhusawal		
Unit 2	210	
Unit 3	210	150
Unit 4	500	0
Unit 5	500	
	1420	150
Parli		
Unit 3	210	130
Unit 4	210	150
Unit 5	210	150
Unit 6	250	160
Unit 7	250	160
	1130	750
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
Unit 5	500	425
Unit 6	500	350
Unit 7	500	290
	2340	1705
Paras		
Unit 3	250	0
Unit 4	250	250
	500	250
Khaparkheda		
Unit 1	210	180
Unit 2	210	0
Unit 3	210	190
Unit 4	210	190
Unit 5	500	0
	1340	560
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	0
	630	384
Uran		
All Units	852	290
	852	290
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	61

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	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	
	611	149
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	1100
WARDHA	405	343
Other CPPs	0	
	1005	1443
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	4369
	3455	4369