



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/Aug/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 07/Aug/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	75.257	551.833	1) Gujrat	10.365	17.384
2) Hydro	14.302	60.164	2) Madhya Pradesh	18.801	112.882
3) Gas	9.150	74.965	3) Chattisgarh	11.990	81.440
Total MSGENCO	98.709	686.962	4) Maharashtra	53.860	354.971
B) OTHERS			5) Goa	-5.408	-39.574
1) JSW JAIGAD	21.745	176.125	6) TAPS 1&2 Injection	4.127	28.197
2) WPCL	4.561	45.809	7) RGPPL Injection	20.094	129.993
3) Other CPP / IPP	4.697	39.397	8) Pench (Excess)	-0.097	-0.097
4) Wind Generation	25.236	214.040	# Total Cent. Sector	113.732	685.196
5) PENCH (MS)	0.097	0.097	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.749	-97.824
1) TPCL Thermal	28.566	181.452	G) Bilateral Power *		
2) TPCL Hydro	3.717	14.826	1) MSEDCL Bilateral	26.744	179.670
TOTAL TPCL	32.283	196.278	Include PX	0.941	-2.293
3) REL Thermal	12.622	85.088	2) MUMBAI Bilateral	11.027	79.263
D) STATE			Include PX	2.273	8.809
1) Thermal (A1+C1+C3)	116.445	818.373	3) MUMBAI Schedule	11.027	79.263
2) Hydro (A2+B5+C2)	18.116	75.087	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.150	74.965	1) MSEDCL	257.028	1749.802
4) Wind (B4)	25.236	214.040	2) TPCL	38.024	254.898
5) CPP (B1+B2+B3)	31.003	261.331	3) REL	18.626	124.273
TOTAL STATE	199.950	1443.796	TOTAL STATE	313.678	2128.973

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	3225	3095	2989
MSGENCO Hydro	846	1577	160
MSGENCO Gas	448	305	460
MSGENCO Total Generation	4519	4977	3609
Central Sector Receipt	4718	4867	4276
WIND	1062	949	1142
CPP / IPP	1261	1296	1317
Exchange with Mumbai	-625	-447	-288
MSEDCL DEMAND MET	10935	11655	10056
Load Shedding	762	519	263
MSEDCL DEMAND	11697	12174	10319
TPCL GENERATION	1702	1695	835
R-INFRA GENERATION	527	526	526
TPCL+R-INFRA DEMAND	2854	2668	1649
STATE DEMAND MET	13789	14323	11705
STATE DEMAND	14551	14842	11968
Frequency (Hz)	49.80	49.64	49.67

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.42 Hz at 06:02 Hrs	49.36 Hz at 05:11 Hrs	49.82	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 07/Aug/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.70	16.33	135	92	100
Unit 6	0.00	0.00	0	0	0
Unit 7	3.12	20.98	150	105	135
Total	5.82	37.31			235
Bhusawal					
Unit 2	0.00	19.52	0	0	0
Unit 3	0.00	0.87	0	0	0
Unit 4	1.77	13.92	148	0	0
Unit 5	0.00	0.00	0	0	0
Total	1.77	34.31			0
Parli					
Unit 3	3.07	9.36	158	83	157
Unit 4	2.92	20.09	163	0	150
Unit 5	2.94	21.11	143	92	150
Unit 6	3.95	22.99	193	106	170
Unit 7	0.00	0.00	0	0	0
Total	12.88	73.55			627
Chandrapur					
Unit 1	0.00	12.77	0	0	0
Unit 2	2.68	16.20	132	65	130
Unit 3	2.45	17.44	147	68	100
Unit 4	2.78	18.61	152	95	100
Unit 5	7.56	52.50	375	270	300
Unit 6	0.00	0.00	0	0	0
Unit 7	7.95	53.06	390	270	360
Total	23.42	170.59			990
Paras					
Unit 3	3.68	24.35	173	135	150
Unit 4	3.65	26.91	166	105	150
Total	7.33	51.26			300
Khaparkheda					
Unit 1	0.00	15.10	0	0	0
Unit 2	3.05	21.33	150	100	115
Unit 3	3.16	24.48	141	126	135
Unit 4	2.67	22.90	127	92	110
Unit 5	6.09	39.24	309	194	275
Total	14.97	123.05			635
Nasik					
Unit 3	4.94	32.48	215	185	190
Unit 4	4.12	29.29	187	160	180
Unit 5	0.00	0.00	0	0	0
Total	9.07	61.77			370
Uran					
All Units	9.15	74.96	465	298	440
Total	9.15	74.96			440
PENCH (MS)					
Pench (MS)	0.10	0.10	25	0	0
Total	0.10	0.10			0
Koyna					
Stage 1-2	4.36	16.68	485	40	530
Stage 4	4.87	14.56	929	0	250
Stage 3	3.05	12.37	240	0	240
Kovna 12&4 Total	9.23	31.24			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	12.28	43.61			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.80	0	0	60
TILLARI	0.36	3.83	61	0	60
BHTGR/VEER	0.10	0.21	5	4	4
BHIRA T.R.	0.39	2.59	82	0	80
RNGR+BHTSA	0.08	0.60	4	3	5
BHANDARDRA	0.18	1.86	8	7	32
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.65	2.06	33	25	8
GHATGHAR	0.25	4.60	125	0	0
Total	2.02	16.55			249
Wind					
MalharPeth	1.18	10.82			
Vankuswadi	1.69	12.92			
ATIT	0.24	3.94			
Kale	0.72	6.65			
Satara	5.06	20.53			
Shirala	0.64	7.05			
K Mahankal	0.11	14.94			
Supa	0.33	3.73			
Vita	3.10	27.63			
Dondaicha	7.75	68.15			
Sakri	1.20	9.49			
Nandurbar	0.68	7.28			
Khandke	1.31	10.75			
Khaparale	1.22	10.16			
Total	25.24	214.04			
CPP					
JSW JAIGAD	21.74	176.12	911	898	820
WARDHA	4.56	45.81	249	161	200
Other CPPs	4.70	39.40			
Total	31.00	261.33			1020
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.93	70.09	503	286	500
Trombay 6	7.84	41.58	504	158	500
Trombay 7A	2.97	20.46	126	122	120
Trombay 7B	1.63	11.30	68	67	60
Trombay 8	5.20	38.02	246	179	250
TATA Hydro	3.72	14.83	364	0	447
Total	32.28	196.28			1877
REL					
1&2	12.62	85.09	528	524	500
Total	12.62	85.09			500
Cent Sect					
Share					4628
Total					4628

MS PG CL	Thermal	75.26	551.83			3157
	Thml+Gas	84.41	626.80			3597
	Hydro	14.30	60.16			1269
	Total	98.71	686.96			4866
State Total		199.95	1443.80			12891

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/Aug/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	3036	80	465	3581	1043	1369	4168	4699	-350	-376	10316	199	10515	1945	12460	49.98
2	3047	85	462	3594	1055	1305	4149	4712	-281	-339	10327	224	10551	1794	12345	50.00
3	2992	95	463	3550	1004	1325	4149	4730	-281	-338	10271	235	10506	1701	12207	49.83
4	2957	150	460	3567	1128	1324	4149	4445	-274	-285	10179	248	10427	1644	12071	49.72
5	2989	160	460	3609	1142	1317	4117	4276	-238	-288	10056	263	10319	1649	11968	49.67
6	3115	472	464	4051	1170	1322	4149	4369	-271	-360	10552	348	10900	1757	12657	49.62
7	3226	317	462	4005	1169	1290	4163	4809	-272	-362	10911	691	11602	1857	13459	49.86
8	3271	198	465	3934	1055	1300	4201	4800	-302	-391	10698	841	11539	2000	13539	49.99
9	3232	304	460	3996	1200	1290	4213	4817	-342	-504	10799	938	11737	2288	14025	49.96
10	3211	775	456	4442	1231	1264	4258	4360	-419	-564	10733	776	11509	2648	14157	49.85
11	3225	846	448	4519	1062	1261	4538	4718	-549	-625	10935	762	11697	2854	14551	49.80
12	3167	1185	416	4768	1033	1232	4641	4537	-632	-625	10945	694	11639	2905	14544	49.67
13	3187	887	298	4372	975	1248	4721	4886	-657	-688	10793	764	11557	2891	14448	49.77
14	3152	859	301	4312	919	1242	4663	4701	-595	-629	10545	679	11224	2778	14002	49.76
15	3240	761	308	4309	944	1276	4681	4774	-622	-643	10660	575	11235	2813	14048	49.75
16	3188	496	311	3995	954	1279	4729	4960	-651	-600	10588	704	11292	2803	14095	49.88
17	3125	264	310	3699	966	1290	4644	5020	-699	-679	10296	850	11146	2779	13925	49.88
18	3132	255	308	3695	1085	1293	4563	4589	-568	-571	10091	738	10829	2731	13560	49.99
19	3003	646	306	3955	1043	1293	4577	4846	-425	-421	10716	468	11184	2654	13838	49.80
20	3095	1577	305	4977	949	1296	4610	4867	-479	-447	11655	519	12174	2668	14842	49.64
21	3145	1691	306	5142	993	1298	4669	4760	-545	-524	11694	498	12192	2589	14781	49.72
22	3212	1196	298	4706	1035	1290	4688	4798	-566	-499	11353	431	11784	2448	14232	49.83
23	3178	653	308	4139	1009	1301	4608	5206	-515	-504	11175	222	11397	2310	13707	49.79
24	3132	350	310	3792	1072	1298	4387	5053	-492	-487	10740	175	10915	2148	13063	49.95
MUs	75.26	14.30	9.15	98.71	25.24	31.00	106.44	113.73	-11.03	-11.75	257.03	12.84	269.87	56.65	326.52	49.82

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 07/Aug/2012

Position as on 6.30 Hrs of 08/Aug/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Hydro GhatgharU1	125	05/07/2012	15:30		Continued.	Annual Overhaul	04/09/2012
Nasik Unit 5	210	12/07/2012	00.35		Continued.	Capital Overhaul	15/08/2012
Parli Unit 7	250	16/07/2012	18.15		Continued.	Annual Overhaul(Earlier W/D for Water Crisis and Coal Shortage.Converted to AOH on 21/7/2012)	11/08/2012
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	21/08/2012
Cent_Sect NTPC(V) 9	500	20/07/2012	00.04		Continued.	Annual Overhaul.	15/08/2012
Chandrapur Unit 6	500	22/07/2012	00.49		Continued.	Annual Overhaul.	17/08/2012
Bhusawal Unit 3	210	01/08/2012	07.15		Continued.	Capital Overhaul	05/09/2012
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
Dabhol 2B	230	14/07/2012	23.01		Continued.	Gas Shortage	
Koradi Unit 6	210	23/07/2012	10:51		Continued.	P. A. Fan problem.	
Dabhol 1B	230	23/07/2012	15.57		Continued.	Combustion Inspection	
Koyna Unit 6	75	31/07/2012	10:05		Continued.	Bearing replacement work.	09/08/2012
Cent_Sect TARAPUR-4	540	01/08/2012	18.16		Continued.	Turbine oil leakage.	
Uran Unit 6	108	01/08/2012	19.29		Continued.	Gas Shortage	
CPP WPCL U-1	135	03/08/2012	08.21		Continued.	Electric Fault.	
Cent_Sect Sipat U-2	660	05/08/2012	10.25		Continued.	Boiler Tube Leakage	
Chandrapur Unit 1	210	05/08/2012	18.25		Continued.	Poor bunkering and wet coal.	
Bhusawal Unit 4	500	06/08/2012	03.34	07/08/2012	05.29	Low bunkering.	
Parli Unit 4	210	06/08/2012	09.34	07/08/2012	03.28	IP turbine expansion high.	
Khaparkheda Unit 1	210	06/08/2012	12.42		Continued.	Low steam temperature.	
Bhusawal Unit 2	210	06/08/2012	20.15		Continued.	ID fan problem.	
CPP WPCL U-2	135	07/08/2012	00.59		Continued.	W/Dn.	
Uran Unit 8	108	07/08/2012	11.57		Continued.	Gas shortage.	
Khaparkheda Unit 4	210	08/08/2012	02.31		Continued.	Low bunker level.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 07/Aug/2012

Position as on 6.30 Hrs of 08/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli-Parli (PGCIL) I	02/08/2012	12.16		Continued.	Opening of Jumpers of Main Bus-I Between Lonikand -II & PGCIL - I.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	04/07/2012	09.47		Continued.	PGCIL Work
Parli-Parli (PGCIL)-II	19/07/2012	08:08		Continued.	Over Voltage.
Seoni-Wardha-II 765KV.	23/07/2012	11.47		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	25/07/2012	21.58		Continued.	Over Voltage
Kolhapur - Mapusa - I	02/08/2012	16.56		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	04/08/2012	22.12		Continued.	Over Voltage.
Akola - Wardha - I	06/08/2012	01.04		Continued.	Over Voltage.
Akola-Aurangabad--II	08/08/2012	01.39		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Satpur	07/08/2012	13.00	07/08/2012	14.19	Tripped from Satpur end only.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220 KV 500 MVA ICT-I @ Deepnagar	24/07/2012	09.30		Continued.	Modification in Control and Relay Panels and SCADA trials
400/220 KV,500MVA ICT - III at Parly	02/08/2012	11.25		Continued.	Opening of Jumpers of M B-I, Bet. Lonikand-II & PGCIL-I & Parli.
400/220KV 500MVA ICT- I at Khaperkheda	07/08/2012	09.20	07/08/2012	18.07	Tap changing and tan delta of 33KV bushing.
Main Bus-II @ Kolhapur	07/08/2012	11.50		Continued.	Bus bar protection scheme testing and isolator replacement work.
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.
Main Bus -I at BBLSR	19/07/2012	14.12		Continued.	Conductor replacement work Upto 7.8.12
220/110 KV,200 MVA ICT -IV at Kalwa	06/08/2012	08.55		Continued.	Replacement of 100KV side line isolator and aux.bus isolator.
Pedambe-Newkoyna	06/08/2012	18.40	07/08/2012	03.35	Red hot on Y ph.wave trap.
220/132KV 200MVA ICT-I at Lonand	07/08/2012	09.03	07/08/2012	18.47	LA replacement work.
220/132KV 200 MVA ICT-IV @ Apta	07/08/2012	09.27	07/08/2012	19.06	Isolator replacement work.
Satara MIDC-Vankushwadi-I	07/08/2012	09.45	07/08/2012	13.50	Q.M.Work
220/110KV,200 MVA ICT-III at Miraj	07/08/2012	10.10	07/08/2012	18.37	Q.M.Work
Karad - Ogalewadi - II	07/08/2012	10.20	07/08/2012	17.24	Insulator replacement work.
Miraj - Kadegaon	07/08/2012	11.24	07/08/2012	12.58	To attend hot spot.
220/132 KV 200 MVA ICT-I @ Harangul	07/08/2012	12.06	07/08/2012	17.24	Q.M.Work
Lote- Dasturi	07/08/2012	12.30	07/08/2012	16.13	Insulator string replacment.
Usmanabad-Barshi	07/08/2012	12.42	07/08/2012	14.48	Testing of CT.
Main Bus @ Peth	07/08/2012	13.06	07/08/2012	15.43	Testing of ABB,RADSS bus bar

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/Aug/2012

Position as on 6.30 Hrs of 08/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					scheme.
Peth -Mudshingi	07/08/2012	13.35	07/08/2012	17.18	Emergency work.
Satara,MIDC-Wankuswadi 2	07/08/2012	14.05	07/08/2012	17.55	Q.M.Work
Bale - Lamboti I	08/08/2012	06.25		Continued.	Conductor replacement work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
132/11KV,25 MVA T/F-3 at Boiser	07/08/2012	19.55	07/08/2012	21.07	To attend Y ph,L.V. side red hot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
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.
Bhusawal- Aurangabad	22/07/2012	16.09		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Temghar - II	09/07/2012	16.33		Continued.	For Padgha ICT loading.
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Parli-Tuljapur	05/08/2012	16.45	08/08/2012	06.10	Control Over Voltage.
Parli-Usmanabad	05/08/2012	16.55	08/08/2012	06.13	Control Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 MVA ICT-II @ Dhule	04/08/2012	17.21		Continued.	B Ph. H V Side ICT-II Bushing Burst.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Chinchwad-Urse	07/08/2012	07.42	07/08/2012	08.49	Tripped from Urse end only.Maloperation of relay.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 08/Aug/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	90
Unit 6	210	0
Unit 7	210	100
	620	190
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	0
Unit 5	500	0
	1420	0
Parli		
Unit 3	210	115
Unit 4	210	132
Unit 5	210	127
Unit 6	250	150
Unit 7	250	0
	1130	524
Chandrapur		
Unit 1	210	0
Unit 2	210	125
Unit 3	210	130
Unit 4	210	160
Unit 5	500	350
Unit 6	500	0
Unit 7	500	350
	2340	1115
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	0
Unit 2	210	130
Unit 3	210	130
Unit 4	210	0
Unit 5	500	200
	1340	460
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	0
	630	384
Uran		
All Units	852	280
	852	280
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	61
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	4
BHANDARDRA	45	8
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	166
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	320
Other CPPs	0	
	1005	1145
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	4662
	3455	4662

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