



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Aug/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Aug/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	77.605	77.605	1) Gujrat	1.961	1.961
2) Hydro	4.773	4.773	2) Madhya Pradesh	11.271	11.271
3) Gas	10.921	10.921	3) Chattisgarh	11.330	11.330
Total MSGENCO	93.299	93.299	4) Maharashtra	51.394	51.394
B) OTHERS			5) Goa	-6.217	-6.217
1) JSW JAIGAD	28.132	28.132	6) TAPS 1&2 Injection	3.993	3.993
2) WPCL	8.935	8.935	7) RGPPL Injection	20.745	20.745
3) Other CPP / IPP	6.124	6.124	8) Pench (Excess)	0.000	0.000
4) Wind Generation	31.091	31.091	# Total Cent. Sector	94.477	94.477
5) PENCH (MS)	0.000	0.000	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.775	-14.775
1) TPCL Thermal	27.978	27.978	G) Bilateral Power *		
2) TPCL Hydro	1.635	1.635	1) MSEDCL Bilateral	25.491	25.491
TOTAL TPCL	29.613	29.613	Include PX	0.000	0.000
3) REL Thermal	12.104	12.104	2) MUMBAI Bilateral	11.096	11.096
D) STATE			Include PX	0.000	0.000
1) Thermal (A1+C1+C3)	117.687	117.687	3) MUMBAI Schedule	11.096	11.096
2) Hydro (A2+B5+C2)	6.408	6.408	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.921	10.921	1) MSEDCL	247.283	247.283
4) Wind (B4)	31.091	31.091	2) TPCL	38.047	38.047
5) CPP (B1+B2+B3)	43.191	43.191	3) REL	18.443	18.443
TOTAL STATE	209.298	209.298	TOTAL STATE	303.773	303.773

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	3278	3257	3056
MSGENCO Hydro	290	491	69
MSGENCO Gas	480	454	434
MSGENCO Total Generation	4048	4202	3559
Central Sector Receipt	4207	4584	3313
WIND	1375	1209	1245
CPP / IPP	1816	1792	1728
Exchange with Mumbai	-880	-599	-403
MSEDCL DEMAND MET	10566	11188	9442
Load Shedding	74	284	56
MSEDCL DEMAND	10640	11472	9498
TPCL GENERATION	1448	1413	824
R-INFRA GENERATION	527	526	392
TPCL+R-INFRA DEMAND	2855	2538	1619
STATE DEMAND MET	13421	13726	11061
STATE DEMAND	13495	14010	11117
Frequency (Hz)	49.85	49.81	50.16

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.51 Hz at 23:04 Hrs	49.05 Hz at 19:09 Hrs	50.02	.41 % 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 01/Aug/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	1.46	1.46	110	0	100
Unit 6	0.00	0.00	0	0	0
Unit 7	3.42	3.42	175	115	150
Total	4.89	4.89			250
Bhusawal					
Unit 2	3.42	3.42	150	125	120
Unit 3	0.87	0.87	155	0	120
Unit 4	0.60	0.60	116	0	0
Unit 5	0.00	0.00	0	0	0
Total	4.89	4.89			240
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.25	3.25	158	117	140
Unit 5	2.94	2.94	146	100	100
Unit 6	4.19	4.19	194	133	180
Unit 7	0.00	0.00	0	0	0
Total	10.38	10.38			420
Chandrapur					
Unit 1	2.59	2.59	121	90	120
Unit 2	0.82	0.82	101	0	0
Unit 3	2.76	2.76	130	100	120
Unit 4	2.80	2.80	135	80	125
Unit 5	7.86	7.86	385	275	360
Unit 6	0.00	0.00	0	0	0
Unit 7	7.23	7.23	395	212	360
Total	24.06	24.06			1085
Paras					
Unit 3	2.80	2.80	166	92	170
Unit 4	3.98	3.98	203	130	190
Total	6.78	6.78			360
Khaparkheda					
Unit 1	2.22	2.22	135	0	125
Unit 2	2.70	2.70	151	0	125
Unit 3	3.41	3.41	177	112	135
Unit 4	3.46	3.46	166	109	110
Unit 5	5.62	5.62	281	181	180
Total	17.41	17.41			675
Nasik					
Unit 3	4.87	4.87	220	175	192
Unit 4	4.33	4.33	191	173	182
Unit 5	0.00	0.00	0	0	0
Total	9.20	9.20			374
Uran					
All Units	10.92	10.92	480	406	420
Total	10.92	10.92			420
PENCH (MS)					
Pench (MS)	0.00	0.00	0	0	0
Total	0.00	0.00			0
Koyna					
Stage 1-2	1.15	1.15	140	35	530
Stage 4	0.00	0.00	0	0	250
Stage 3	1.37	1.37	218	0	240
Kovna 12&4 Total	1.15	1.15			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.52	2.52			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	61
TILLARI	0.23	0.23	59	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.46	0.46	82	0	40
RNGR+BHTSA	0.03	0.03	2	1	0
BHANDARDRA	0.41	0.41	17	16	24
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.29	0.29	18	9	0
GHATGHAR	0.84	0.84	125	0	0
Total	2.25	2.25			185
Wind					
MalharPeth	1.37	1.37			
Vankuswadi	2.09	2.09			
ATIT	0.34	0.34			
Kale	0.93	0.93			
Satara	5.27	5.27			
Shirala	0.83	0.83			
K Mahankal	0.15	0.15			
Supa	0.43	0.43			
Vita	4.15	4.15			
Dondaicha	9.84	9.84			
Sakri	1.61	1.61			
Nandurbar	0.99	0.99			
Khandke	1.49	1.49			
Khaparale	1.60	1.60			
Total	31.09	31.09			
CPP					
JSW JAIGAD	28.13	28.13	1221	1101	890
WARDHA	8.94	8.94	385	362	380
Other CPPs	6.12	6.12			
Total	43.19	43.19			1270
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.23	10.23	489	279	500
Trombay 6	8.14	8.14	504	156	500
Trombay 7A	2.77	2.77	126	81	120
Trombay 7B	1.57	1.57	69	56	60
Trombay 8	5.26	5.26	246	175	250
TATA Hydro	1.64	1.64	189	0	447
Total	29.61	29.61			1877
REL					
1&2	12.10	12.10	528	391	500
Total	12.10	12.10			500
Cent Sect					
Share					4498
Total					4498

MS PG CL	Thermal	77.60	77.60			3404
	Thml+Gas	88.53	88.53			3824
	Hydro	4.77	4.77			1205
	Total	93.30	93.30			5029
State Total		209.30	209.30			13174

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	3290	276	411	3977	1188	1737	4093	2983	-51	-380	9505	111	9616	1915	11531	50.14
2	3092	160	433	3685	1254	1736	3925	3363	-334	-467	9571	60	9631	1751	11382	50.09
3	3088	84	432	3604	1496	1727	3692	3386	-389	-454	9759	56	9815	1663	11478	50.17
4	3056	69	434	3559	1245	1728	3563	3313	-389	-403	9442	56	9498	1619	11117	50.16
5	3239	74	427	3740	1281	1765	3556	3300	-389	-405	9681	56	9737	1620	11357	50.07
6	3401	69	421	3891	1194	1805	3933	3874	-389	-363	10401	66	10467	1722	12189	50.03
7	3441	84	476	4001	1120	1826	3975	3982	-389	-336	10593	109	10702	1826	12528	50.18
8	3394	69	477	3940	1196	1871	4019	3968	-443	-328	10647	120	10767	1976	12743	50.04
9	3384	120	480	3984	1194	1836	4180	3771	-443	-417	10368	113	10481	2270	12751	50.11
10	3317	175	480	3972	1309	1817	4172	4144	-493	-708	10534	73	10607	2616	13223	49.96
11	3278	290	480	4048	1375	1816	4066	4207	-493	-880	10566	74	10640	2855	13495	49.85
12	3228	313	478	4019	1292	1809	4094	4054	-493	-898	10276	70	10346	2927	13273	50.12
13	3157	363	478	3998	1242	1807	4129	3977	-493	-825	10199	138	10337	2892	13229	50.16
14	3101	224	478	3803	1438	1839	4177	3763	-493	-773	10070	108	10178	2811	12989	50.06
15	3044	153	478	3675	1338	1823	4203	4165	-493	-808	10193	104	10297	2839	13136	50.04
16	3145	148	478	3771	1303	1835	4201	3988	-493	-795	10102	106	10208	2822	13030	49.94
17	3159	99	478	3736	1360	1823	4255	4082	-493	-809	10192	85	10277	2807	13084	49.88
18	3206	82	478	3766	1474	1808	4245	3989	-493	-877	10160	73	10233	2758	12991	50.17
19	3106	251	417	3774	1415	1817	4158	4161	-497	-804	10363	69	10432	2634	13066	49.94
20	3196	607	406	4209	1321	1806	4332	4472	-559	-673	11135	196	11331	2615	13946	49.57
21	3257	491	454	4202	1209	1792	4499	4584	-629	-599	11188	284	11472	2538	14010	49.81
22	3325	295	454	4074	1387	1798	4492	4482	-611	-596	11145	267	11412	2450	13862	49.93
23	3319	158	445	3922	1204	1794	4453	4387	-611	-553	10754	143	10897	2342	13239	49.92
24	3382	119	448	3949	1256	1776	4290	4082	-530	-624	10439	108	10547	2224	12771	50.13
MUs	77.60	4.77	10.92	93.30	31.09	43.19	98.70	94.48	-11.10	-14.78	247.28	2.64	249.93	56.49	306.42	50.02

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 01/Aug/2012

Position as on 6.30 Hrs of 02/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 2A	230	10/07/2012	17.28		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	
Cent_Sect Sipat U-1	660	22/07/2012	02.03		Continued.	Loss of fuel.	
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	
Parli Unit 3	210	26/07/2012	05.35		Continued.	Low Temperature.	02/08/2012
Chandrapur Unit 2	210	28/07/2012	18.08	01/08/2012	12.02	Furnace Pressure high.	
Koyna Unit 6	75	31/07/2012	10:05		Continued.	Bearing replacement work.	09/08/2012
Bhusawal Unit 4	500	31/07/2012	20:00	01/08/2012	15.22	Re-Heater Protection	
Koradi Unit 5	200	01/08/2012	01.02	01/08/2012	06.57	Furnace pressure High	
Khaparkheda Unit 2	210	01/08/2012	13.31	01/08/2012	16.25	Turbine Tripped Indication	
Bhusawal Unit 4	500	01/08/2012	15.27	01/08/2012	18.21	Tripped	
Khaparkheda Unit 1	210	01/08/2012	17.51	01/08/2012	20.20	Tripped	
Uran Unit 6	108	01/08/2012	19.29		Continued.	Gas Shortage	
Chandrapur Unit 1	210	02/08/2012	03.37		Continued.	Flame Failure	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Aug/2012

Position as on 6.30 Hrs of 02/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	01/08/2012	10.32	01/08/2012	16.17	Main Bus-II Outage
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.
Akola - Wardha - I	20/07/2012	12.51		Continued.	Over Voltage.
Seoni-Wardha-II 765KV.	23/07/2012	11.47		Continued.	Over Voltage.
Parly - Solapur (PGCIL) - I	23/07/2012	17.44		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	25/07/2012	21.58		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	30/07/2012	22.01		Continued.	Over Voltage.
Akola - Aurangabad - II	31/07/2012	23.53	01/08/2012	16.29	Over Voltage.
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
Main Bus-II at Parli	01/08/2012	11.20	01/08/2012	15.05	Opening of Jumper
New Koyna-Jaigad II	01/08/2012	11.37	01/08/2012	13.39	Insulator Disc 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.
220/100KV 200MVA ICT-III at Kalwa	30/07/2012	10.53	01/08/2012	06.05	L.V.Aux.side isolator replacement work.
Lamboti-Bale-I	01/08/2012	08.04	01/08/2012	21.34	Replacement of Conductor
Babaleshwar - Babaleshwar - II	01/08/2012	09.05	01/08/2012	14.02	Problem in Breaker
220/132KV 200 MVA ICT-II @ Boisor	01/08/2012	09.22	01/08/2012	17.20	Hot Spot
220/100KV 200MVA ICT-II at Kalwa	01/08/2012	10.42		Continued.	Replacement of 100KV Lineside and Aux.Bus Isolator(Up to 02/8/12)
Malegaon - Satana - II	01/08/2012	10.47	01/08/2012	13.45	Providing new Disc Insulator
Malegaon - Satana - I	01/08/2012	14.07	01/08/2012	15.40	Insulator String replacement
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.
Karad-Kolhapur-II	28/07/2012	16.18	01/08/2012	09.42	Over Voltage.
Chandrapur - Parli - III	31/07/2012	22.08	01/08/2012	09.02	Over Voltage
Lonikand- Koyna Stage IV	01/08/2012	02.31	01/08/2012	07.18	Over Voltage
Parli-Lonikand - II	01/08/2012	11.17	01/08/2012	15.26	Main Bus-II Outage
Lonikand- Koyna Stage IV	02/08/2012	02.16		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
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 01/Aug/2012

Position as on 6.30 Hrs of 02/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Khaparkheda-Kawlewada-I	25/07/2012	16.35		Continued.	Over Voltage
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
Bableshtar-Aurangabad	31/07/2012	23.43	01/08/2012	06.13	Over Voltage
Karad - Kolhapur - II	01/08/2012	17.31		Continued.	Over Voltage
Khaparkheda - Chandrapur	01/08/2012	23.10		Continued.	R Phase CT Burst of 400KV Tie Bay at K'Kheda
Koradi - Kaparkheda	01/08/2012	23.10		Continued.	R Phase CT Burst of 400KV Tie Bay at K'Kheda
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Khaparkheda-Ambazari - I	01/08/2012	06.27	01/08/2012	18.28	DC Fail Indication received
Gangapur-Valve	01/08/2012	14.23	01/08/2012	16.27	R Phase CT to Gantry Structure Jumper Broken
Babaleshtar - Babaleshtar - II	01/08/2012	23.45	02/08/2012	03.30	Without Indication
Babaleshtar - Babaleshtar - II	02/08/2012	04.00		Continued.	Without Indication
Voltage Level : 132KV			Outage Type TRIPPED		
Padegaon - Sat	31/07/2012	18.10	01/08/2012	01.37	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Aug/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	100
Unit 6	210	0
Unit 7	210	160
	620	260
Bhusawal		
Unit 2	210	143
Unit 3	210	0
Unit 4	500	
Unit 5	500	
	1420	143
Parli		
Unit 3	210	0
Unit 4	210	140
Unit 5	210	150
Unit 6	250	180
Unit 7	250	0
	1130	470
Chandrapur		
Unit 1	210	0
Unit 2	210	120
Unit 3	210	100
Unit 4	210	130
Unit 5	500	350
Unit 6	500	0
Unit 7	500	300
	2340	1000
Paras		
Unit 3	250	140
Unit 4	250	140
	500	280
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
Unit 5	500	250
	1340	890
Nasik		
Unit 3	210	210
Unit 4	210	200
Unit 5	210	0
	630	410
Uran		
All Units	852	460
	852	460
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	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	17
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	167
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	1025
WARDHA	405	400
Other CPPs	0	
	1005	1425
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	4769
	3455	4769

	18400	7 of 7 13671
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