



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Aug/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Aug/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	84.241	243.299	1) Gujrat	-0.405	8.827
2) Hydro	3.390	12.363	2) Madhya Pradesh	13.462	37.941
3) Gas	10.955	32.848	3) Chattisgarh	11.760	34.110
Total MSGENCO	98.586	288.510	4) Maharashtra	46.723	144.216
B) OTHERS			5) Goa	-5.632	-18.165
1) JSW JAIGAD	23.817	77.401	6) TAPS 1&2 Injection	4.014	12.011
2) WPCL	7.237	25.482	7) RGPPL Injection	19.664	60.626
3) Other CPP / IPP	6.542	18.522	8) Pench (Excess)	0.000	0.000
4) Wind Generation	36.552	100.132	# Total Cent. Sector	89.586	279.566
5) PENCH (MS)	0.000	0.000	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-16.739	-49.573
1) TPCL Thermal	25.139	75.702	G) Bilateral Power *		
2) TPCL Hydro	2.372	4.749	1) MSEDCL Bilateral	25.789	79.783
TOTAL TPCL	27.511	80.451	Include PX	-0.270	-0.270
3) REL Thermal	11.932	36.160	2) MUMBAI Bilateral	12.700	34.956
D) STATE			Include PX	2.528	2.822
1) Thermal (A1+C1+C3)	121.312	355.161	3) MUMBAI Schedule	12.700	34.956
2) Hydro (A2+B5+C2)	5.762	17.112	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.955	32.848	1) MSEDCL	245.581	740.040
4) Wind (B4)	36.552	100.132	2) TPCL	37.823	112.102
5) CPP (B1+B2+B3)	37.596	121.405	3) REL	18.357	54.078
TOTAL STATE	212.177	626.658	TOTAL STATE	301.761	906.220

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	3438	3770	3568
MSGENCO Hydro	179	486	45
MSGENCO Gas	452	458	457
MSGENCO Total Generation	4069	4714	4070
Central Sector Receipt	4469	3863	2899
WIND	1568	1654	1509
CPP / IPP	1418	1765	1533
Exchange with Mumbai	-1037	-595	-424
MSEDCL DEMAND MET	10487	11401	9587
Load Shedding	64	41	1
MSEDCL DEMAND	10551	11442	9588
TPCL GENERATION	1281	1438	832
R-INFRA GENERATION	527	527	391
TPCL+R-INFRA DEMAND	2845	2560	1647
STATE DEMAND MET	13332	13961	11234
STATE DEMAND	13396	14002	11235
Frequency (Hz)	50.01	50.01	50.09

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.52 Hz at 06.05 Hrs	49.51 Hz at 19.31 Hrs	50.09	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 03/Aug/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.24	5.89	130	67	74
Unit 6	0.00	0.00	0	0	0
Unit 7	2.59	8.81	135	65	115
Total	4.83	14.70			189
Bhusawal					
Unit 2	3.42	10.32	155	130	160
Unit 3	0.00	0.87	0	0	0
Unit 4	2.28	5.73	201	0	
Unit 5	0.00	0.00	0	0	
Total	5.70	16.91			160
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	2.79	9.23	152	83	140
Unit 5	2.65	8.65	137	74	135
Unit 6	3.57	11.82	193	69	160
Unit 7	0.00	0.00	0	0	0
Total	9.00	29.70			435
Chandrapur					
Unit 1	3.13	7.91	135	127	140
Unit 2	3.13	6.48	140	115	140
Unit 3	2.92	8.30	142	105	100
Unit 4	3.37	9.08	152	122	150
Unit 5	8.01	23.46	390	220	350
Unit 6	0.00	0.00	0	0	0
Unit 7	7.93	22.40	360	292	350
Total	28.50	77.62			1230
Paras					
Unit 3	3.84	9.90	173	130	150
Unit 4	4.24	11.63	197	155	150
Total	8.08	21.53			300
Khaparkheda					
Unit 1	2.68	7.95	145	0	0
Unit 2	3.41	9.45	184	120	150
Unit 3	4.05	11.22	180	155	150
Unit 4	3.88	11.00	175	149	150
Unit 5	5.52	16.86	321	0	200
Total	19.54	56.49			650
Nasik					
Unit 3	4.44	13.90	210	175	210
Unit 4	4.14	12.45	185	156	190
Unit 5	0.00	0.00	0	0	0
Total	8.58	26.34			400
Uran					
All Units	10.96	32.85	459	452	440
Total	10.96	32.85			440
PENCH (MS)					
Pench (MS)	0.00	0.00	0	0	
Total	0.00	0.00			
Koyna					
Stage 1-2	1.08	3.32	50	40	530
Stage 4	0.11	0.11	113	0	250
Stage 3	0.72	3.30	204	0	240
Kovna 12&4 Total	1.19	3.43			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.92	6.73			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.27	0	0	60
TILLARI	0.56	1.02	58	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.35	1.19	81	0	80
RNGR+BHTSA	0.09	0.20	5	0	4
BHANDARDRA	0.19	0.81	34	0	9
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.03	0.38	8	0	9
GHATGHAR	0.25	1.76	125	0	
Total	1.47	5.63			222
Wind					
MalharPeth	1.52	4.21			
Vankuswadi	1.95	6.26			
ATIT	0.39	1.03			
Kale	1.20	3.01			
Satara	0.89	11.41			
Shirala	1.04	2.62			
K Mahankal	6.00	6.25			
Supa	0.53	1.27			
Vita	4.32	12.25			
Dondaicha	12.24	33.76			
Sakri	1.72	5.03			
Nandurbar	1.25	3.40			
Khandke	1.93	4.90			
Khaparale	1.57	4.71			
Total	36.55	100.13			
CPP					
JSW JAIGAD	23.82	77.40	1152	951	1040
WARDHA	7.24	25.48	402	93	400
Other CPPs	6.54	18.52			
Total	37.60	121.40			1440
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.12	29.23	502	283	500
Trombay 6	5.07	17.12	368	157	500
Trombay 7A	2.88	8.62	125	104	120
Trombay 7B	1.59	4.80	68	61	60
Trombay 8	5.46	15.93	249	194	250
TATA Hydro	2.37	4.75	326	0	447
Total	27.51	80.45			1877
REL					
1&2	11.93	36.16	527	391	500
Total	11.93	36.16			500
Cent Sect					
Share					4501
Total					4501

MS PG CL	Thermal	84.24	243.30			3364
	Thml+Gas	95.20	276.15			3804
	Hydro	3.39	12.36			1242
	Total	98.59	288.51			5046
State Total		212.18	626.66			13364

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/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	3445	50	457	3952	1552	1612	3269	3508	-470	-667	9957	1	9958	1973	11931	50.32
2	3512	45	458	4015	1421	1631	3235	3215	-387	-622	9660	1	9661	1813	11474	50.27
3	3570	40	458	4068	1490	1552	3321	3138	-308	-505	9743	1	9744	1711	11455	50.19
4	3568	45	457	4070	1509	1533	3318	2899	-304	-424	9587	1	9588	1647	11235	50.09
5	3552	73	456	4081	1548	1532	3453	3476	-310	-413	10224	1	10225	1638	11863	50.17
6	3475	79	458	4012	1474	1574	3479	3704	-390	-472	10292	36	10328	1720	12048	50.05
7	3481	77	459	4017	1505	1569	3682	4095	-423	-482	10704	289	10993	1825	12818	50.15
8	3434	55	459	3948	1522	1533	3732	3987	-455	-573	10417	470	10887	1971	12858	50.09
9	3416	79	455	3950	1476	1313	3687	4189	-510	-687	10241	463	10704	2270	12974	50.01
10	3422	140	457	4019	1579	1405	3890	4315	-527	-900	10418	373	10791	2599	13390	50.06
11	3438	179	452	4069	1568	1418	4075	4469	-590	-1037	10487	64	10551	2845	13396	50.01
12	3487	210	455	4152	1673	1470	4149	4063	-664	-961	10397	6	10403	2901	13304	50.13
13	3390	133	455	3978	1410	1528	4124	3659	-705	-963	9612	23	9635	2884	12519	50.16
14	3403	92	456	3951	1572	1564	4117	3279	-729	-902	9464	40	9504	2729	12233	50.15
15	3304	97	456	3857	1600	1579	4164	3480	-724	-964	9552	33	9585	2772	12357	50.03
16	3323	92	458	3873	1583	1560	4156	3542	-698	-911	9647	27	9674	2765	12439	50.10
17	3329	87	455	3871	1679	1594	3796	3766	-729	-908	10002	1	10003	2738	12741	49.98
18	3335	232	456	4023	1410	1637	3707	3771	-684	-854	9987	0	9987	2702	12689	50.14
19	3527	170	455	4152	1637	1710	4327	3971	-410	-695	10775	0	10775	2629	13404	49.99
20	3676	340	456	4472	1396	1743	4546	4102	-453	-504	11209	41	11250	2641	13891	49.84
21	3770	486	458	4714	1654	1765	4643	3863	-567	-595	11401	41	11442	2560	14002	50.01
22	3814	212	457	4483	1403	1679	4641	3852	-583	-623	10794	37	10831	2417	13248	50.08
23	3751	186	456	4393	1574	1555	4519	3729	-591	-597	10654	0	10654	2272	12926	50.14
24	3819	191	456	4466	1317	1540	4164	3514	-489	-480	10357	0	10357	2160	12517	50.09
MUs	84.24	3.39	10.96	98.59	36.55	37.60	94.19	89.59	-12.70	-16.74	245.58	1.95	247.53	56.18	303.71	50.09

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 03/Aug/2012

Position as on 6.30 Hrs of 04/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.	05/08/2012
Koyna Unit 6	75	31/07/2012	10:05		Continued.	Bearing replacement work.	09/08/2012
Uran Unit 6	108	01/08/2012	19.29		Continued.	Gas Shortage	
Khaparkheda Unit 1	210	03/08/2012	05.33	03/08/2012	08.50	Flame Failure.	
Bhusawal Unit 4	500	03/08/2012	07.35	03/08/2012	12.44	Class A Protection Operated.	
CPP WPCL U-1	135	03/08/2012	08.21		Continued.	Electric Fault.	
CPP WPCL U-4	135	03/08/2012	08.21	03/08/2012	11.18	Wet Coal.	
Khaparkheda Unit 5	500	03/08/2012	14.18	03/08/2012	17.48	B.F.P.Problem.	
CPP WPCL U-4	135	04/08/2012	00.48		Continued.	I D Fan Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Aug/2012

Position as on 6.30 Hrs of 04/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.
Akola - Wardha - I	20/07/2012	12.51	03/08/2012	09.40	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
Dhule-Sar'Sarovar - I	30/07/2012	22.01	04/08/2012	05.19	Over Voltage.
Kolhapur - Mapusa - I	02/08/2012	16.56		Continued.	Over Voltage.
Parli - Solapur (PGCIL) - I	02/08/2012	17.22	03/08/2012	09.27	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
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.
400/220 KV 300 MVA ICT-I @ Koradi	03/08/2012	10.52	03/08/2012	15.11	For Changing Tap.
400/220 KV 315 MVA ICT-I @ Koradi.	03/08/2012	15.23	03/08/2012	19.10	For Changing Tap.
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
220/100KV 200MVA ICT-II at Kalwa	01/08/2012	10.42		Continued.	Replacement of 100KV Lineside and Aux. Bus Isolator (Up to 02/8/12)
Kalwa-Mulund II	03/08/2012	08.05	03/08/2012	10.40	Replacement of 29C Isolator.
Pedambe - Pophali - II	03/08/2012	08.35	03/08/2012	11.05	Maint. Work.
Kalwa - Siemens	03/08/2012	08.51	03/08/2012	18.12	Replacement of C T's.
Bus A @ Padgha	03/08/2012	08.57	03/08/2012	18.51	Removing of Bus Side Isolator Jumper of 220 KV A Bus of Nashik (3) Spark.
Mudshingi - Peth	03/08/2012	10.40	03/08/2012	13.30	L A Replacement.
Bale - Lamboti I	03/08/2012	10.47	03/08/2012	18.19	Replacement of Conductor.
Aurangabad - Padegaon - II	03/08/2012	10.49	03/08/2012	15.35	For Takeing 29D Iso in Service.
Girivali - Parli - III	03/08/2012	12.00	03/08/2012	14.00	To Attend Hot Spot.
Mudshingi - Talandage - I	03/08/2012	14.20	03/08/2012	17.23	Maint. Work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa - Standard	03/08/2012	07.00	03/08/2012	16.58	Bunching Work @ Loc No. 48 to Make Klw -100 KV Vashi - II.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	03/07/2012	15.29		Continued.	Over Voltage
400/220 KV 100 MVA	12/07/2012	07.11		Continued.	Main Buchholz protection operated.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Aug/2012

Position as on 6.30 Hrs of 04/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Spare Unit @ Koradi					
Bhusawal- Aurangabad	22/07/2012	16.09		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	02/08/2012	23.42	03/08/2012	08.13	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.
Khaparkheda-Kawlewada-I	25/07/2012	16.35		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Kolhapur - II	01/08/2012	17.31	03/08/2012	09.03	Over Voltage
Khaparkheda - Chandrapur	01/08/2012	23.10	03/08/2012	17.31	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

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Aug/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	110
Unit 6	210	0
Unit 7	210	120
	620	230
Bhusawal		
Unit 2	210	160
Unit 3	210	0
Unit 4	500	
Unit 5	500	
	1420	160
Parli		
Unit 3	210	0
Unit 4	210	130
Unit 5	210	140
Unit 6	250	55
Unit 7	250	0
	1130	325
Chandrapur		
Unit 1	210	130
Unit 2	210	150
Unit 3	210	130
Unit 4	210	130
Unit 5	500	300
Unit 6	500	0
Unit 7	500	350
	2340	1190
Paras		
Unit 3	250	170
Unit 4	250	170
	500	340
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	440
	852	440
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	5
BHANDARDRA	45	34
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	187
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	737
WARDHA	405	227
Other CPPs	0	
	1005	964
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	4897
	3455	4897

	18400	7 of 7	13430
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