



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Aug/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Aug/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	81.453	159.058	1) Gujrat	7.271	9.232
2) Hydro	4.200	8.973	2) Madhya Pradesh	13.208	24.479
3) Gas	10.972	21.893	3) Chattisgarh	11.020	22.350
Total MSGENCO	96.625	189.924	4) Maharashtra	46.099	97.493
B) OTHERS			5) Goa	-6.316	-12.533
1) JSW JAIGAD	25.452	53.584	6) TAPS 1&2 Injection	4.004	7.997
2) WPCL	9.310	18.245	7) RGPPL Injection	20.217	40.962
3) Other CPP / IPP	5.856	11.980	8) Pench (Excess)	0.000	0.000
4) Wind Generation	32.489	63.580	# Total Cent. Sector	95.503	189.980
5) PENCH (MS)	0.000	0.000	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-18.059	-32.834
1) TPCL Thermal	22.585	50.563	G) Bilateral Power *		
2) TPCL Hydro	0.742	2.377	1) MSEDCL Bilateral	27.201	52.692
TOTAL TPCL	23.327	52.940	Include PX	0.000	0.000
3) REL Thermal	12.124	24.228	2) MUMBAI Bilateral	11.661	22.756
D) STATE			Include PX	0.113	0.113
1) Thermal (A1+C1+C3)	116.162	233.849	3) MUMBAI Schedule	11.661	22.756
2) Hydro (A2+B5+C2)	4.942	11.350	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.972	21.893	1) MSEDCL	247.176	494.459
4) Wind (B4)	32.489	63.580	2) TPCL	36.232	74.279
5) CPP (B1+B2+B3)	40.618	83.809	3) REL	17.278	35.721
TOTAL STATE	205.183	414.481	TOTAL STATE	300.686	604.459

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3276	3400	3508
MSGENCO Hydro	337	496	57
MSGENCO Gas	459	458	467
MSGENCO Total Generation	4072	4354	4032
Central Sector Receipt	4587	4290	3376
WIND	1358	1370	1383
CPP / IPP	1775	1693	1594
Exchange with Mumbai	-1034	-800	-514
MSEDCL DEMAND MET	10758	10907	9871
Load Shedding	274	98	16
MSEDCL DEMAND	11032	11005	9887
TPCL GENERATION	1165	994	830
R-INFRA GENERATION	525	525	389
TPCL+R-INFRA DEMAND	2724	2319	1733
STATE DEMAND MET	13482	13226	11604
STATE DEMAND	13756	13324	11620
Frequency (Hz)	50.23	49.95	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.65 Hz at 08.01 Hrs	49.53 Hz at 19.26 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 02/Aug/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.18	3.65	105	63	100
Unit 6	0.00	0.00	0	0	0
Unit 7	2.80	6.22	160	60	160
Total	4.98	9.87			260
Bhusawal					
Unit 2	3.48	6.90	155	130	143
Unit 3	0.00	0.87	0	0	0
Unit 4	2.84	3.44	150	95	
Unit 5	0.00	0.00	0	0	
Total	6.32	11.21			143
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.19	6.44	160	112	140
Unit 5	3.06	6.00	150	109	150
Unit 6	4.06	8.25	204	155	180
Unit 7	0.00	0.00	0	0	0
Total	10.32	20.70			470
Chandrapur					
Unit 1	2.19	4.78	135	0	0
Unit 2	2.52	3.34	128	79	120
Unit 3	2.61	5.37	125	80	100
Unit 4	2.91	5.71	145	95	130
Unit 5	7.59	15.45	360	290	350
Unit 6	0.00	0.00	0	0	0
Unit 7	7.24	14.47	369	240	300
Total	25.06	49.12			1000
Paras					
Unit 3	3.26	6.06	145	124	140
Unit 4	3.41	7.40	156	127	140
Total	6.68	13.45			280
Khaparkheda					
Unit 1	3.05	5.27	155	100	160
Unit 2	3.34	6.04	160	110	160
Unit 3	3.76	7.17	175	142	160
Unit 4	3.67	7.13	162	137	160
Unit 5	5.72	11.34	281	196	250
Total	19.53	36.94			890
Nasik					
Unit 3	4.58	9.45	220	175	210
Unit 4	3.98	8.31	189	141	200
Unit 5	0.00	0.00	0	0	0
Total	8.56	17.76			410
Uran					
All Units	10.97	21.89	467	450	460
Total	10.97	21.89			460
PENCH (MS)					
Pench (MS)	0.00	0.00	0	0	
Total	0.00	0.00			
Koyna					
Stage 1-2	1.08	2.24	55	40	530
Stage 4	0.00	0.00	0	0	250
Stage 3	1.21	2.58	240	0	240
Kovna 12&4 Total	1.08	2.24			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.30	4.82			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.27	0.27	61	0	0
TILLARI	0.22	0.45	58	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.38	0.84	80	0	80
RNGR+BHTSA	0.08	0.12	4	3	0
BHANDARDRA	0.22	0.62	10	9	17
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.06	0.35	8	0	10
GHATGHAR	0.67	1.51	120	0	0
Total	1.90	4.16			167
Wind					
MalharPeth	1.32	2.69			
Vankuswadi	2.22	4.31			
ATIT	0.30	0.64			
Kale	0.89	1.82			
Satara	5.25	10.52			
Shirala	0.75	1.58			
K Mahankal	0.10	0.25			
Supa	0.31	0.74			
Vita	3.78	7.93			
Dondaicha	11.68	21.52			
Sakri	1.70	3.31			
Nandurbar	1.16	2.15			
Khandke	1.48	2.97			
Khaparale	1.54	3.14			
Total	32.49	63.58			
CPP					
JSW JAIGAD	25.45	53.58	1133	943	1025
WARDHA	9.31	18.24	404	324	400
Other CPPs	5.86	11.98			
Total	40.62	83.81			1425
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.87	19.10	501	282	500
Trombay 6	3.91	12.05	197	158	500
Trombay 7A	2.97	5.74	126	117	120
Trombay 7B	1.63	3.20	69	66	60
Trombay 8	5.20	10.47	246	189	250
TATA Hydro	0.74	2.38	83	0	447
Total	23.33	52.94			1877
REL					
1&2	12.12	24.23	528	388	500
Total	12.12	24.23			500
Cent Sect					
Share					4769
Total					4769

MS PG CL	Thermal	81.45	159.06			3453
	Thml+Gas	92.42	180.95			3913
	Hydro	4.20	8.97			1187
	Total	96.62	189.92			5100
State Total		205.18	414.48			13671

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/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	3469	58	460	3987	1300	1755	4017	3753	-354	-644	10151	57	10208	2018	12226	49.98
2	3466	58	467	3991	1393	1580	3685	3449	-354	-506	9907	5	9912	1833	11745	50.01
3	3508	57	467	4032	1383	1594	3595	3376	-354	-514	9871	16	9887	1733	11620	50.04
4	3414	62	459	3935	1371	1491	3688	3590	-409	-460	9927	19	9946	1679	11625	49.97
5	3290	52	467	3809	1322	1529	3768	3877	-409	-458	10079	21	10100	1680	11780	50.00
6	3291	52	461	3804	1247	1656	4109	4162	-409	-441	10428	53	10481	1746	12227	49.90
7	3276	57	454	3787	1332	1768	4220	4442	-414	-460	10869	193	11062	1814	12876	49.93
8	3382	69	455	3906	1201	1763	4152	4329	-729	-591	10608	350	10958	1966	12924	50.17
9	3345	136	456	3937	1405	1759	4114	4573	-729	-788	10886	197	11083	2261	13344	50.22
10	3390	207	456	4053	1365	1758	4203	4880	-779	-1069	10987	128	11115	2542	13657	50.18
11	3263	315	456	4034	1244	1757	4295	4675	-497	-1113	10597	192	10789	2718	13507	50.11
12	3276	337	459	4072	1358	1775	4445	4587	-497	-1034	10758	274	11032	2724	13756	50.23
13	3312	78	456	3846	1118	1777	4381	4117	-497	-989	9869	240	10109	2687	12796	50.15
14	3365	53	455	3873	1403	1777	4350	3871	-497	-874	10050	87	10137	2562	12699	50.17
15	3486	63	455	4004	1376	1685	4300	3765	-497	-891	9939	85	10024	2554	12578	50.12
16	3389	58	455	3902	1437	1685	4048	3754	-497	-863	9915	85	10000	2523	12523	50.31
17	3342	58	452	3852	1601	1691	3763	3528	-497	-815	9857	63	9920	2436	12356	50.15
18	3441	90	454	3985	1288	1687	3694	3206	-497	-786	9380	60	9440	2383	11823	50.31
19	3452	246	453	4151	1534	1673	4009	3321	-447	-721	9958	58	10016	2297	12313	50.13
20	3441	493	453	4387	1398	1697	3988	3935	-447	-768	10649	98	10747	2343	13090	49.96
21	3400	496	458	4354	1370	1693	4061	4290	-447	-800	10907	98	11005	2319	13324	49.95
22	3484	425	459	4368	1336	1699	4026	4265	-447	-849	10819	92	10911	2276	13187	50.00
23	3480	423	450	4353	1422	1663	3839	4097	-447	-839	10696	56	10752	2233	12985	49.98
24	3491	257	455	4203	1292	1706	3753	3652	-507	-786	10067	56	10123	2183	12306	50.30
MUs	81.45	4.20	10.97	96.62	32.50	40.62	96.50	95.49	-11.66	-18.06	247.17	2.58	249.76	53.51	303.27	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 02/Aug/2012

Position as on 6.30 Hrs of 03/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.	03/08/2012
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	
Chandrapur Unit 1	210	02/08/2012	03.37	02/08/2012	07.04	Flame Failure	
Khaparkheda Unit 1	210	03/08/2012	05.33		Continued.	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Aug/2012

Position as on 6.30 Hrs of 03/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		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 - II	26/07/2012	23.50	02/08/2012	10.30	Over Voltage.
Dhule-Sar'Sarovar - I	30/07/2012	22.01		Continued.	Over Voltage.
Kolhapur - Mapusa - I	02/08/2012	16.56		Continued.	Over Voltage.
Parli - Solapur (PGCIL) - I	02/08/2012	17.22		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.
400/220 KV 500 MVA ICT-I @ Deepnagar	24/07/2012	09.30		Continued.	Modification in Control and Relay Panels and SCADA trials
Parli-Lonikand - II	02/08/2012	09.34	02/08/2012	19.29	Outage @ Parli M B - II.
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.
Main Bus - I @ Chakan	02/08/2012	12.24	02/08/2012	16.14	Hot Spot Attending Work.
Main Bus- I @ 400 KV Parli	02/08/2012	12.24	02/08/2012	15.24	Opening of Jumpers of M B-I,Bet.Lonikand-II & PGCIL-I & Parli.
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-II at Kalwa	01/08/2012	10.42		Continued.	Replacement of 100KV Lineside and Aux.Bus Isolator(Up to 02/8/12)
Jejuri (New) - Phursungi - II	02/08/2012	09.55	02/08/2012	13.04	Half Yearly Maintenance Work.
220/100KV,200 MVA ICT-I at Bapgaon	02/08/2012	09.58	02/08/2012	15.24	C T Leakage & R M Work.
Lonikand-Ranjangaon	02/08/2012	10.00	02/08/2012	18.02	Relay Testing,C T Tan Delta.
Karad-Kolhapur - II	02/08/2012	10.22	02/08/2012	18.37	LILO Work @ Tembu S/S.
220/132KV 100 MVA ICT-I @ Kanhan	02/08/2012	11.35	02/08/2012	13.14	Q.M.Work.
Lonikand - VSNL	02/08/2012	16.49	02/08/2012	16.50	Ist Time Charged.
Khadki - VSNL	02/08/2012	16.59	02/08/2012	17.00	Ist Time Charged.
Bus @ VSNL	02/08/2012	17.21	02/08/2012	17.22	Ist Time Charged.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Aurangabad-Chitegaon-II	02/08/2012	15.30	02/08/2012	16.03	To Attend Hot Spot.
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 02/Aug/2012

Position as on 6.30 Hrs of 03/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	02.16	02/08/2012	08.27	Over Voltage
Lonikand- Koyna Stage IV	02/08/2012	23.42		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.
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	02/08/2012	16.36	R Phase LV side CT Burst
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	02/08/2012	09.12	R Phase CT Burst of 400KV Tie Bay at K'Kheda
Chandrapur - Parli - III	02/08/2012	08.43	02/08/2012	11.53	Tripped.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Babaleshwar - Babaleshwar - II	01/08/2012	23.45	02/08/2012	03.30	Without Indication
Babaleshwar - Babaleshwar - II	02/08/2012	04.00	02/08/2012	09.00	Without Indication
Baramati-Kalyani	02/08/2012	17.40	02/08/2012	19.00	Distance Protection.
Baramati Agro - Bhigwan	02/08/2012	17.40	02/08/2012	18.00	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Aug/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	74
Unit 6	210	0
Unit 7	210	115
	620	189
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	140
Unit 5	210	135
Unit 6	250	160
Unit 7	250	0
	1130	435
Chandrapur		
Unit 1	210	140
Unit 2	210	140
Unit 3	210	100
Unit 4	210	150
Unit 5	500	350
Unit 6	500	0
Unit 7	500	350
	2340	1230
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	150
Unit 4	210	150
Unit 5	500	200
	1340	650
Nasik		
Unit 3	210	210
Unit 4	210	190
Unit 5	210	0
	630	400
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	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	4
BHANDARDRA	45	9
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	
	611	222
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	1040
WARDHA	405	400
Other CPPs	0	
	1005	1440
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	4501
	3455	4501

	18400	7 of 7 13364
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