



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Aug/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Aug/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	68.866	1667.956	1) Gujrat	13.440	147.189
2) Hydro	16.927	212.196	2) Madhya Pradesh	22.823	378.479
3) Gas	10.930	219.637	3) Chattisgarh	12.680	237.350
Total MSGENCO	96.723	2099.789	4) Maharashtra	65.927	1160.916
B) OTHERS			5) Goa	-5.400	-115.848
1) JSW JAIGAD	21.437	472.409	6) TAPS 1&2 Injection	3.869	85.114
2) WPCL	8.067	139.167	7) RGPPL Injection	13.027	333.753
3) Other CPP / IPP	5.453	119.382	8) Pench (Excess)	-0.223	-1.338
4) Wind Generation	17.930	548.158	# Total Cent. Sector	126.143	2225.615
5) PENCH (MS)	0.223	1.338	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.655	-251.267
1) TPCL Thermal	28.100	545.750	G) Bilateral Power *		
2) TPCL Hydro	5.121	68.464	1) MSEDCL Bilateral	23.360	487.610
TOTAL TPCL	33.221	614.214	Include PX	0.863	0.882
3) REL Thermal	12.615	259.321	2) MUMBAI Bilateral	13.720	255.234
D) STATE			Include PX	0.586	17.542
1) Thermal (A1+C1+C3)	109.581	2473.027	3) MUMBAI Schedule	13.720	255.234
2) Hydro (A2+B5+C2)	22.271	281.998	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.930	219.637	1) MSEDCL	266.321	5354.591
4) Wind (B4)	17.930	548.158	2) TPCL	37.106	753.681
5) CPP (B1+B2+B3)	34.957	730.958	3) REL	18.382	371.075
TOTAL STATE	195.669	4253.778	TOTAL STATE	321.809	6479.347

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3070	2593	2962
MSGENCO Hydro	926	445	265
MSGENCO Gas	446	445	470
MSGENCO Total Generation	4442	3483	3697
Central Sector Receipt	5765	5725	4676
WIND	837	1129	656
CPP / IPP	1485	1394	1406
Exchange with Mumbai	-526	-505	-240
MSEDCL DEMAND MET	12003	11226	10195
Load Shedding	602	724	188
MSEDCL DEMAND	12605	11950	10383
TPCL GENERATION	1755	1701	833
R-INFRA GENERATION	526	525	527
TPCL+R-INFRA DEMAND	2807	2731	1600
STATE DEMAND MET	14810	13957	11795
STATE DEMAND	15412	14681	11983
Frequency (Hz)	50.08	49.98	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.36 Hz at 09:49 Hrs	49.31 Hz at 19:18 Hrs	49.95	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 21/Aug/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.15	42.48	110	51	110
Unit 6	0.00	0.00	0	0	0
Unit 7	3.14	54.68	150	105	135
Total	5.29	97.17			245
Bhusawal					
Unit 2	3.48	55.86	160	130	150
Unit 3	0.00	0.87	0	0	0
Unit 4	4.40	58.57	245	106	0
Unit 5	0.00	0.00	0	0	0
Total	7.88	115.30			150
Parli					
Unit 3	3.01	50.23	158	0	125
Unit 4	3.25	61.95	160	106	135
Unit 5	3.03	54.64	155	89	110
Unit 6	3.81	75.26	192	128	160
Unit 7	0.00	0.00	0	0	0
Total	13.11	242.07			530
Chandrapur					
Unit 1	2.31	47.93	125	69	100
Unit 2	2.47	53.60	142	86	120
Unit 3	0.00	26.95	0	0	0
Unit 4	1.09	50.01	87	24	100
Unit 5	6.19	156.20	375	185	275
Unit 6	0.00	0.00	0	0	0
Unit 7	6.80	173.34	386	167	385
Total	18.86	508.03			980
Paras					
Unit 3	3.79	80.37	180	133	140
Unit 4	0.38	80.02	167	0	100
Total	4.17	160.40			240
Khaparkheda					
Unit 1	2.88	61.36	160	80	150
Unit 2	2.41	64.17	154	0	150
Unit 3	2.19	74.81	156	0	150
Unit 4	3.63	50.27	163	135	150
Unit 5	3.76	123.82	275	0	250
Total	14.87	374.43			850
Nasik					
Unit 3	4.69	92.44	220	150	210
Unit 4	0.00	78.11	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	4.69	170.55			210
Uran					
All Units	10.93	219.64	470	438	450
Total	10.93	219.64			450
PENCH (MS)					
Pench (MS)	0.22	1.34	47	0	0
Total	0.22	1.34			0
Koyna					
Stage 1-2	5.22	67.90	475	40	600
Stage 4	7.78	57.65	548	0	250
Stage 3	2.96	40.64	240	0	240
Kovna 12&4 Total	13.01	125.55			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	15.97	166.18			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	2.07	0	0	0
TILLARI	0.06	5.78	60	0	0
BHTGR/VEER	0.21	2.77	9	8	5
BHIRA T.R.	0.44	8.30	80	0	80
RNGR+BHTSA	0.00	1.26	0	0	0
BHANDARDRA	0.00	5.11	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.25	10.72	11	10	0
GHATGHAR	0.00	10.00	0	0	0
Total	0.96	46.01			85
Wind					
MalharPeth	0.74	26.36			
Vankuswadi	1.32	38.80			
ATIT	0.19	7.76			
Kale	0.52	14.81			
Satara	4.09	58.63			
Shirala	0.41	16.88			
K Mahankal	0.08	40.16			
Supa	0.32	7.80			
Vita	3.02	70.74			
Dondaicha	4.44	171.30			
Sakri	0.81	25.20			
Nandurbar	0.33	16.11			
Khandke	1.14	27.98			
Khaparale	0.54	25.63			
Total	17.93	548.16			
CPP					
JSW JAIGAD	21.44	472.41	909	796	815
WARDHA	8.07	139.17	392	272	330
Other CPPs	5.45	119.38			
Total	34.96	730.96			1145
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.75	209.04	502	287	500
Trombay 6	7.15	124.52	504	155	500
Trombay 7A	2.96	62.11	126	122	120
Trombay 7B	1.63	34.12	69	67	60
Trombay 8	5.61	115.97	248	165	250
TATA Hydro	5.12	68.46	387	0	447
Total	33.22	614.21			1877
REL					
1&2	12.62	259.32	528	522	500
Total	12.62	259.32			500
Cent Sect					
Share					4782
Total					4782

MS PG CL	Thermal	68.87	1667.96			3205
	Thml+Gas	79.80	1887.59			3655
	Hydro	16.93	212.20			1175
	Total	96.72	2099.79			4830
State Total		195.67	4253.78			13134

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	3230	785	470	4485	800	1328	4373	4542	-467	-331	10824	151	10975	1901	12876	49.82
2	3209	465	467	4141	758	1421	4251	4457	-446	-293	10484	184	10668	1745	12413	49.98
3	3097	309	469	3875	729	1401	4074	4585	-402	-295	10295	179	10474	1654	12128	50.03
4	2962	265	470	3697	656	1406	4058	4676	-378	-240	10195	188	10383	1600	11983	50.02
5	2970	280	470	3720	600	1439	4061	4793	-382	-224	10328	209	10537	1604	12141	49.97
6	3162	529	468	4159	693	1497	4072	4845	-428	-214	10980	304	11284	1689	12973	49.87
7	3150	1030	456	4636	811	1505	4137	4687	-527	-291	11348	578	11926	1815	13741	49.86
8	3171	821	459	4451	733	1499	4122	4804	-557	-359	11128	715	11843	1957	13800	50.04
9	3180	592	458	4230	817	1499	4124	5058	-561	-413	11191	841	12032	2248	14280	49.97
10	3120	871	459	4450	767	1508	4312	5400	-616	-489	11636	646	12282	2570	14852	50.16
11	3070	926	446	4442	837	1485	4668	5765	-653	-526	12003	602	12605	2807	15412	50.08
12	2827	1103	443	4373	792	1503	4747	5567	-718	-529	11706	753	12459	2855	15314	49.95
13	2809	1002	445	4256	726	1503	4732	5381	-723	-491	11375	852	12227	2831	15058	49.87
14	2698	869	452	4019	846	1524	4551	5480	-627	-454	11415	744	12159	2767	14926	50.10
15	2665	643	439	3747	918	1507	4488	5650	-649	-467	11355	660	12015	2786	14801	49.96
16	2566	548	449	3563	991	1426	4517	5916	-667	-483	11413	685	12098	2781	14879	50.02
17	2593	445	445	3483	1129	1394	4416	5725	-645	-505	11226	724	11950	2731	14681	49.98
18	2686	285	452	3423	780	1423	4481	5289	-599	-405	10510	683	11193	2665	13858	50.04
19	2697	486	438	3621	755	1430	4822	5497	-490	-384	10919	444	11363	2580	13943	49.86
20	2729	1264	454	4447	704	1432	4874	5334	-547	-409	11544	522	12066	2587	14653	49.75
21	2569	981	456	4006	616	1384	4941	5648	-661	-422	11279	477	11756	2506	14262	49.82
22	2598	798	454	3850	568	1516	4946	5590	-676	-468	11103	412	11515	2383	13898	49.85
23	2598	641	458	3697	463	1464	4880	5847	-678	-481	11037	241	11278	2280	13558	49.93
24	2510	989	453	3952	441	1463	4586	5607	-624	-482	11027	172	11199	2149	13348	49.94
MUs	68.87	16.93	10.93	96.72	17.93	34.96	107.23	126.14	-13.72	-9.66	266.32	11.97	278.29	55.49	333.78	49.95

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 21/Aug/2012

Position as on 6.30 Hrs of 22/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	22/08/2012
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)	22/08/2012
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	22/08/2012
Chandrapur Unit 6	500	22/07/2012	00.49		Continued.	Annual Overhaul.	22/08/2012
Koradi Unit 6	210	23/07/2012	10:51		Continued.	P. A. Fan problem. (Covered to AOH from 26-07-12)	22/08/2012
Bhusawal Unit 3	210	01/08/2012	07.15		Continued.	Capital Overhaul	05/09/2012
CPP JSW (J) U3	300	10/08/2012	00.00		Continued.	Annual Overhaul.	22/08/2012
Chandrapur Unit 3	210	10/08/2012	19.33		Continued.	I D Fan Problem.(Converted to AOH)	11/09/2012
Cent_Sect NTPC(V-5)	210	18/08/2012	00.50		Continued.	Annual Overhaul.	
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.	02/09/2012
Dabhol 1B	230	23/07/2012	15.57		Continued.	Combustion Inspection	
Dabhol 3B	230	08/08/2012	11:40		Continued.	Gas Shortage.	
Dabhol 1X	290	10/08/2012	17.31		Continued.	Gas Shortage.	
Dabhol 1A	230	10/08/2012	17.33		Continued.	Gas Shortage.	
Uran Unit 5	108	15/08/2012	17.30		Continued.	Gas shortage.	
Dabhol 2B	230	19/08/2012	17.29		Continued.	Gas Shortage.	
Nasik Unit 4	210	20/08/2012	00.30		Continued.	Boiler Tube Leakage.	
Koyna ST-IV 2	250	20/08/2012	12.22		Continued.	Buchholz relay alarm.	
Paras Unit 4	250	21/08/2012	01.24	21/08/2012	05.00	Flame Failure.	
Paras Unit 4	250	21/08/2012	06.01		Continued.	Furnace Pressure high.	
Khaparkheda Unit 2	210	21/08/2012	11.03	21/08/2012	16.14	Furnace pressure high.	
Khaparkheda Unit 3	210	21/08/2012	11.11	21/08/2012	18.40	Furnace pressure high.	
Khaparkheda Unit 5	500	21/08/2012	20.31	21/08/2012	23.17	Flame failure.	
Parli Unit 3	210	21/08/2012	22.47	22/08/2012	02.36	Flame failure.	
Khaparkheda Unit 5	500	22/08/2012	04.45		Continued.	CHP problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Aug/2012

Position as on 6.30 Hrs of 22/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 - II	18/08/2012	21.45		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	20/08/2012	17.40		Continued.	Y ph.breaker oil leakage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE II - CHDPR	16/08/2012	08.24		Continued.	Annual Outage
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.
Dabhol - Nagothane - I	21/08/2012	12.03	21/08/2012	16.00	Tree cutting work.
400/220/33KV,167 MVA Spare ICT at A'bad(Waluj)	21/08/2012	16.45	21/08/2012	16.48	Charge first time.
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.
Trombay - Tata Tie - I	17/08/2012	06.29		Continued.	Replacement of Line Isolator.
Pedambe - Pophali - II	21/08/2012	08.05	21/08/2012	10.15	Attending B ph.CT vertical damage conductor.
Bus Section-III @ Nasik GCR	21/08/2012	08.32	21/08/2012	14.04	Bay maintenance work and red hot.
220/132 KV 100 MVA ICT - II @ Tulzapur	21/08/2012	10.17	21/08/2012	12.47	Attending oil leakage.
Amalner-Deepnagar	21/08/2012	10.20	21/08/2012	17.20	Line jumper tightening work.
Bus Section - II @ Vita	21/08/2012	11.16	21/08/2012	14.16	Q.M.Work
Karad-M'peth	21/08/2012	13.16	21/08/2012	14.21	Distance relay testing.
TBC at Kharghar	21/08/2012	14.23	21/08/2012	21.20	Replacement of isolator and R.M.Work
Apta-Uran-II	21/08/2012	14.47	21/08/2012	17.01	For connecting jumper from CT to line isolator.
Kalmeshwar-Nippon	21/08/2012	16.56	21/08/2012	17.40	Replacement of ABT metering.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
132/7 KV 31.5 MVA Stn T/F - II @ Bhusawal	10/08/2012	10.22		Continued.	Work at Generation end.
Bale - Nuldurg	21/08/2012	13.27	21/08/2012	15.54	Replacement of insulator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
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.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Aug/2012

Position as on 6.30 Hrs of 22/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Karad-Kolhapur-II	17/08/2012	16.43		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	21/08/2012	00.36	21/08/2012	09.36	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.
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.
Deepnagar-Aurangabad-I	10/08/2012	14.09		Continued.	B-PH Conductor of Twin Conductors Snapped(Ready for charging at 16.45Hrs/11-8-12)
Jejuri-Koyna STG-IV	21/08/2012	23.40		Continued.	Over Voltage.
400/220 KV 315 MVA ICT-I @ Dhule	22/08/2012	05.06		Continued.	Tripping relay operated.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Vita-Mhaisal	20/08/2012	23.52	21/08/2012	13.04	Dist.Prot.Operated.
Vita - Miraj	21/08/2012	01.50	21/08/2012	02.02	Dist.Prot.Operated.
220/22KV,50MVA T/F-1 at Bapgaon.	21/08/2012	09.30	21/08/2012	19.30	C.T burst.
220/33 KV 50 MVA T/F - II @ Chitegaon.	21/08/2012	18.40	21/08/2012	18.50	B ph.33KV CT burst,

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Aug/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	110
Unit 6	210	0
Unit 7	210	152
	620	262
Bhusawal		
Unit 2	210	160
Unit 3	210	0
Unit 4	500	
Unit 5	500	
	1420	160
Parli		
Unit 3	210	132
Unit 4	210	135
Unit 5	210	125
Unit 6	250	180
Unit 7	250	0
	1130	572
Chandrapur		
Unit 1	210	100
Unit 2	210	80
Unit 3	210	0
Unit 4	210	70
Unit 5	500	230
Unit 6	500	0
Unit 7	500	300
	2340	780
Paras		
Unit 3	250	160
Unit 4	250	0
	500	160
Khaparkheda		
Unit 1	210	160
Unit 2	210	140
Unit 3	210	140
Unit 4	210	160
Unit 5	500	0
	1340	600
Nasik		
Unit 3	210	210
Unit 4	210	0
Unit 5	210	0
	630	210
Uran		
All Units	852	450
	852	450
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	85
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	380
Other CPPs	0	
	1005	1205
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	4890
	3455	4890

	18400	7 of 7 12841
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