



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Aug/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Aug/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	84.569	1213.237	1) Gujrat	7.220	109.478
2) Hydro	4.302	122.234	2) Madhya Pradesh	17.420	244.804
3) Gas	13.014	153.637	3) Chattisgarh	10.460	163.350
Total MSGENCO	101.885	1489.108	4) Maharashtra	49.226	780.766
B) OTHERS			5) Goa	-6.159	-82.213
1) JSW JAIGAD	20.187	345.629	6) TAPS 1&2 Injection	4.261	60.667
2) WPCL	7.778	95.549	7) RGPPL Injection	12.515	249.153
3) Other CPP / IPP	5.654	82.052	8) Pench (Excess)	-0.023	-0.551
4) Wind Generation	24.326	433.559	# Total Cent. Sector	94.920	1525.454
5) PENCH (MS)	0.023	0.551	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.420	-186.275
1) TPCL Thermal	20.720	391.051	G) Bilateral Power *		
2) TPCL Hydro	0.789	42.467	1) MSEDCL Bilateral	16.820	355.664
TOTAL TPCL	21.509	433.518	Include PX	-0.557	-2.589
3) REL Thermal	11.623	184.474	2) MUMBAI Bilateral	12.324	178.030
D) STATE			Include PX	-0.381	13.970
1) Thermal (A1+C1+C3)	116.912	1788.762	3) MUMBAI Schedule	12.324	178.030
2) Hydro (A2+B5+C2)	5.114	165.252	H) ENERGY CATERED (MUs)		
3) Gas (A3)	13.014	153.637	1) MSEDCL	241.353	3785.627
4) Wind (B4)	24.326	433.559	2) TPCL	30.724	540.679
5) CPP (B1+B2+B3)	33.619	523.230	3) REL	15.826	263.556
TOTAL STATE	192.985	3064.440	TOTAL STATE	287.903	4589.862

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 8 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3604	3510	3462
MSGENCO Hydro	140	545	96
MSGENCO Gas	584	458	582
MSGENCO Total Generation	4328	4513	4140
Central Sector Receipt	4303	4095	3905
WIND	798	754	1056
CPP / IPP	1468	1376	1438
Exchange with Mumbai	-425	-522	-357
MSEDCL DEMAND MET	10472	10226	10182
Load Shedding	345	255	161
MSEDCL DEMAND	10817	10481	10343
TPCL GENERATION	828	1173	829
R-INFRA GENERATION	526	524	491
TPCL+R-INFRA DEMAND	1779	2219	1677
STATE DEMAND MET	12251	12445	11859
STATE DEMAND	12596	12700	12020
Frequency (Hz)	50.24	49.79	49.89

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.49 Hz at 08:33 Hrs	49.39 Hz at 19:49 Hrs	50.04	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 15/Aug/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.31	34.95	114	77	115
Unit 6	0.00	0.00	0	0	0
Unit 7	2.08	44.41	150	0	130
Total	4.39	79.36			245
Bhusawal					
Unit 2	1.82	34.95	150	0	0
Unit 3	0.00	0.87	0	0	0
Unit 4	3.22	37.16	171	106	0
Unit 5	0.00	0.00	0	0	0
Total	5.04	72.97			0
Parli					
Unit 3	2.97	31.35	143	106	132
Unit 4	3.27	43.96	163	120	135
Unit 5	2.82	37.02	135	92	130
Unit 6	4.48	51.32	218	110	160
Unit 7	0.00	0.00	0	0	0
Total	13.54	163.66			557
Chandrapur					
Unit 1	3.10	32.73	139	116	130
Unit 2	2.99	38.96	136	113	125
Unit 3	0.00	26.95	0	0	0
Unit 4	2.66	44.92	146	78	100
Unit 5	9.32	117.64	410	340	400
Unit 6	0.00	0.00	0	0	0
Unit 7	9.31	118.22	430	310	325
Total	27.38	379.44			1080
Paras					
Unit 3	4.01	57.32	181	155	180
Unit 4	4.03	60.39	188	136	180
Total	8.04	117.70			360
Khaparkheda					
Unit 1	2.89	39.58	150	70	160
Unit 2	2.91	49.31	150	65	160
Unit 3	3.43	52.66	167	115	160
Unit 4	1.79	42.35	155	0	160
Unit 5	6.44	90.28	286	252	250
Total	17.46	274.17			890
Nasik					
Unit 3	4.52	64.18	210	170	175
Unit 4	4.19	61.76	188	159	177
Unit 5	0.00	0.00	0	0	0
Total	8.72	125.94			352
Uran					
All Units	13.01	153.64	586	450	540
Total	13.01	153.64			540
PENCH (MS)					
Pench (MS)	0.02	0.55	10	0	0
Total	0.02	0.55			0
Koyna					
Stage 1-2	1.84	36.36	275	40	600
Stage 4	0.00	24.70	0	0	250
Stage 3	0.41	25.12	146	0	240
Kovna 12&4 Total	1.84	61.06			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.25	86.19			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.25	1.81	61	0	60
TILLARI	0.04	5.42	32	0	60
BHTGR/VEER	0.21	1.61	9	8	9
BHIRA T.R.	0.29	5.91	82	0	80
RNGR+BHTSA	0.04	1.26	3	0	4
BHANDARDRA	0.08	4.90	4	3	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.73	7.94	31	30	0
GHATGHAR	0.41	7.19	125	0	0
Total	2.05	36.05			243
Wind					
MalharPeth	1.09	20.55			
Vankuswadi	2.03	28.77			
ATIT	0.21	5.98			
Kale	0.55	11.66			
Satara	4.24	46.91			
Shirala	0.54	13.05			
K Mahankal	0.09	29.00			
Supa	0.32	6.38			
Vita	2.82	53.28			
Dondaicha	7.97	141.02			
Sakri	1.21	20.20			
Nandurbar	0.52	13.55			
Khandke	1.47	22.25			
Khaparale	1.29	20.94			
Total	24.33	433.56			
CPP					
JSW JAIGAD	20.19	345.63	911	762	825
WARDHA	7.78	95.55	330	315	325
Other CPPs	5.65	82.05			
Total	33.62	523.23			1150
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	7.23	149.21	426	284	500
Trombay 6	3.75	91.23	160	155	500
Trombay 7A	2.99	44.31	126	123	120
Trombay 7B	1.64	24.34	69	67	60
Trombay 8	5.11	81.96	251	190	250
TATA Hydro	0.79	42.47	225	0	447
Total	21.51	433.52			1877
REL					
1&2	11.62	184.47	527	391	500
Total	11.62	184.47			500
Cent Sect					
Share					4137
Total					4137

MS PG CL	Thermal	84.57	1213.24			3484
	Thml+Gas	97.58	1366.87			4024
	Hydro	4.30	122.23			1333
	Total	101.88	1489.11			5357
State Total		192.98	3064.44			13021

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	3542	216	582	4340	1057	1471	3707	4306	-490	-401	10773	111	10884	1998	12882	49.83
2	3536	91	582	4209	1082	1469	3683	4070	-475	-399	10431	131	10562	1852	12414	49.91
3	3508	86	582	4176	1069	1481	3683	3885	-474	-368	10243	146	10389	1712	12101	49.89
4	3462	96	582	4140	1056	1438	3671	3905	-464	-357	10182	161	10343	1677	12020	49.89
5	3507	86	580	4173	978	1402	3791	4496	-466	-331	10718	183	10901	1675	12576	49.99
6	3499	245	578	4322	866	1474	3968	4632	-465	-383	10911	273	11184	1738	12922	49.94
7	3531	256	586	4373	749	1480	4021	4704	-454	-414	10892	610	11502	1769	13271	50.24
8	3604	140	584	4328	798	1468	4025	4303	-479	-425	10472	345	10817	1779	12596	50.24
9	3572	123	577	4272	1026	1389	3984	3910	-486	-460	10137	130	10267	1858	12125	50.31
10	3599	183	575	4357	1123	1392	3987	3707	-519	-489	10090	29	10119	1938	12057	50.07
11	3565	188	564	4317	1107	1380	3674	3798	-559	-572	10030	31	10061	2013	12074	50.06
12	3527	228	563	4318	1207	1374	3713	3667	-573	-695	9871	30	9901	2048	11949	50.12
13	3551	177	567	4295	1108	1377	3714	3975	-580	-771	9984	39	10023	2019	12042	50.02
14	3578	100	567	4245	1144	1375	3697	3662	-539	-758	9668	46	9714	1979	11693	50.15
15	3590	95	565	4250	1165	1380	3616	3619	-480	-729	9685	40	9725	1951	11676	50.17
16	3436	90	569	4095	1281	1372	3561	3676	-479	-708	9716	31	9747	1927	11674	50.27
17	3360	87	573	4020	1289	1372	3551	3411	-463	-703	9389	31	9420	1920	11340	50.25
18	3394	82	462	3938	1224	1381	3633	3182	-498	-691	9034	27	9061	1924	10985	50.20
19	3469	92	459	4020	993	1377	3477	3598	-533	-523	9465	18	9483	1982	11465	49.85
20	3513	438	450	4401	831	1372	3952	4087	-545	-514	10184	115	10299	2150	12449	49.72
21	3510	545	458	4513	754	1376	4029	4095	-577	-522	10226	255	10481	2219	12700	49.79
22	3585	378	469	4432	752	1381	4028	4134	-576	-659	10046	245	10291	2196	12487	50.00
23	3628	194	468	4290	809	1301	3742	3973	-597	-701	9672	179	9851	2150	12001	50.00
24	3503	86	472	4061	858	1337	3887	4125	-548	-847	9534	133	9667	2078	11745	49.95
MUs	84.57	4.30	13.01	101.88	24.33	33.62	90.79	94.92	-12.32	-13.42	241.35	3.34	244.69	46.55	291.24	50.04

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 15/Aug/2012

Position as on 6.30 Hrs of 16/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	16/08/2012
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)	16/08/2012
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.	16/08/2012
Chandrapur Unit 6	500	22/07/2012	00.49		Continued.	Annual Overhaul.	17/08/2012
Koradi Unit 6	210	23/07/2012	10:51		Continued.	P. A. Fan problem. (Covered to AOH from 26-07-12)	20/08/2012
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
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	
CPP WPCL U-1	135	03/08/2012	08.21		Continued.	Electric Fault.	
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.	
Bhusawal Unit 2	210	13/08/2012	02.00	15/08/2012	08.50	BLR T/L.	
Khaparkheda Unit 4	210	14/08/2012	12.41		Continued.	Flame failure.	
Dabhol 2A	230	14/08/2012	15.52		Continued.	Gas shortage.	
Koradi Unit 7	210	15/08/2012	15.06		Continued.	Boiler tube leakage.	
Uran Unit 5	108	15/08/2012	17.30		Continued.	Gas shortage.	
Koradi Unit 5	200	16/08/2012	04.22		Continued.	ID fan problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Aug/2012

Position as on 6.30 Hrs of 16/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.
Akola - Wardha - II	12/08/2012	05.45		Continued.	Over Voltage.
Dhule - S'Sarovar- II	15/08/2012	18.04		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Halkarni-Mahalaxmi	15/08/2012	12.48	15/08/2012	13.26	Distance protection.
Wardha - Deoli (PGCIL)	16/08/2012	00.45	16/08/2012	01.33	Bus bar protection operated.
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.
Karad-Jaigad II	15/08/2012	13.18		Continued.	CT testing at Jaigad. Ready for charging at 16.08 Hrs.
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.
Baramati-Kalyani	15/08/2012	10.55	15/08/2012	14.36	Bus outage.
Main Bus at Kalyani	15/08/2012	10.55	15/08/2012	14.23	Metering CT,PT replacement at consumer end.
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.
Karad-Kolhapur-II	11/08/2012	16.34		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	15/08/2012	16.55		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.
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.	BPH Conductor of Twin Conductors Snaped.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Main Bus At Wardha	16/08/2012	00.45	16/08/2012	01.05	Bus bar protection operated.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Aug/2012

Position as on 6.30 Hrs of 16/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Wardha--Dhamangaon	16/08/2012	00.45	16/08/2012	01.32	Bus bar protection operated.
Warora - Rly TSS - II	16/08/2012	00.45	16/08/2012	01.15	Bus bar protection operated.
220/66 KV 50 MVA T/F - I @ Warora	16/08/2012	00.45	16/08/2012	01.36	Bus bar protection operated.
220/66KV 50MVA T/F-II @ Wardha	16/08/2012	00.45	16/08/2012	01.37	Bus bar protection operated.
220/66KV 50 MVA ICT- II @ Warora	16/08/2012	00.45	16/08/2012	01.40	Bus bar protection operated.
220/66KV 50 MVA ICT- I @ Wardha.	16/08/2012	00.45	16/08/2012	01.35	Bus bar protection operated.
Warora - RLY TSS CKT - I	16/08/2012	00.45	16/08/2012	01.10	Bus bar protection operated.
Wardha-Abhijeet II	16/08/2012	00.45	16/08/2012	01.30	Bus bar protection operated.
Warora-Wardha	16/08/2012	00.45	16/08/2012	01.05	Bus bar protection operated.
Wardha-Bhugaon	16/08/2012	00.45	16/08/2012	01.25	Bus bar protection operated.
Wardha-Abhijeet I	16/08/2012	00.45	16/08/2012	01.20	Bus bar protection operated.
Wardha - Yawatmal	16/08/2012	00.45	16/08/2012	01.31	Bus bar protection operated.
Wardha-K'Kheda	16/08/2012	23.18		Continued.	Tripped on PDR at Wardha end only.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Aug/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	0
	620	0
Bhusawal		
Unit 2	210	150
Unit 3	210	0
Unit 4	500	0
Unit 5	500	0
	1420	150
Parli		
Unit 3	210	135
Unit 4	210	135
Unit 5	210	110
Unit 6	250	190
Unit 7	250	0
	1130	570
Chandrapur		
Unit 1	210	140
Unit 2	210	125
Unit 3	210	0
Unit 4	210	140
Unit 5	500	400
Unit 6	500	0
Unit 7	500	400
	2340	1205
Paras		
Unit 3	250	185
Unit 4	250	130
	500	315
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	0
Unit 5	500	250
	1340	730
Nasik		
Unit 3	210	210
Unit 4	210	200
Unit 5	210	0
	630	410
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	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	32
BHTGR/VEER	21	6
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	4
ELDARY	23	0
SMLHY PTN	12	6
GHATGHAR	250	0
	611	189
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	325
Other CPPs	0	
	1005	1150
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	4802
	3455	4802

	18400	7 of 7	13438
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