



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Jul/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Jul/2013 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	76.092	250.426	1) Gujrat	10.641	24.385
2) Hydro	4.714	13.958	2) Madhya Pradesh	17.171	55.681
3) Gas	10.491	31.839	3) Chattisgarh	6.870	23.260
Total MSGENCO	91.297	296.223	4) Maharashtra	55.981	171.973
B) 1) JSW JAIGAD	15.962	45.446	5) Goa	-4.732	-14.027
2) WPCL	8.133	24.114	6) TAPS 1&2 Injection	3.711	11.099
3) ADANI	25.920	80.840	7) RGPPL Injection	6.364	19.026
4) Other CPP / IPP	6.363	27.894	8) Pench (Excess)	-0.249	-0.860
5) Wind Generation	34.814	81.580	# Total Cent. Sector	95.757	290.537
6) PENCH (MS)	0.249	0.860	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-18.679	-53.662
1) TPCL Thermal	23.068	69.110	G) Bilateral Power *		
2) TPCL Hydro	5.060	15.126	1) MSEDCL Bilateral	24.277	109.704
TOTAL TPCL	28.128	84.236	Include PX	0.000	-0.780
3) REL Thermal	11.455	33.891	2) MUMBAI Bilateral	13.312	42.435
D) STATE			Include PX	0.000	3.049
1) Thermal (A1+C1+C3)	110.615	353.427	3) MUMBAI Schedule	13.312	42.435
2) Hydro (A2+B5+C2)	10.023	29.944	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.491	31.839	1) MSEDCL	259.816	793.832
4) Wind (B4)	34.814	81.580	2) TPCL	38.274	112.608
5) CPP (B1+B2+B3)	56.378	123.374	3) REL	19.988	59.181
TOTAL STATE	222.321	620.164	TOTAL STATE	318.078	965.621

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	3176	3137	3233
MSGENCO Hydro	322	379	124
MSGENCO Gas	441	427	442
MSGENCO Total Generation	3939	3943	3799
Central Sector Receipt	4401	4380	3477
WIND	1363	1580	1193
CPP / IPP	2519	2446	2032
Exchange with Mumbai	-1004	-766	-431
MSEDCL DEMAND MET	11229	11607	10070
Load Shedding	97	108	57
MSEDCL DEMAND	11326	11715	10127
TPCL GENERATION	1431	1434	841
R-INFRA GENERATION	526	523	400
TPCL+R-INFRA DEMAND	2961	2723	1672
STATE DEMAND MET	14190	14330	11742
STATE DEMAND	14287	14438	11799
Frequency (Hz)	49.99	49.86	50.10

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.38 Hz at 06.00 Hrs	49.63 Hz at 14.40 Hrs	50.02	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 03/Jul/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	5	0	0
Unit 6	3.10	9.32	150	95	150
Unit 7	0.00	0.00	0	0	0
Total	3.10	9.32			150
Bhusawal					
Unit 2	3.62	11.07	160	140	150
Unit 3	3.81	11.14	165	145	160
Unit 4	4.11	12.08	220	120	150
Unit 5	2.75	12.40	140	57	
Total	14.30	46.69			460
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	0.00	0.00			0
Chandrapur					
Unit 1	3.12	10.00	141	110	150
Unit 2	3.24	10.66	145	125	150
Unit 3	0.93	8.81	116	0	150
Unit 4	0.00	0.00	0	0	0
Unit 5	4.78	15.92	239	170	250
Unit 6	4.27	13.24	248	155	200
Unit 7	5.21	17.28	230	181	230
Total	21.55	75.90			1130
Paras					
Unit 3	3.64	11.97	190	124	200
Unit 4	3.84	12.75	180	140	200
Total	7.48	24.72			400
Khaparkheda					
Unit 1	2.13	7.14	140	25	160
Unit 2	0.00	6.80	0	0	0
Unit 3	3.94	5.91	188	150	180
Unit 4	4.13	13.08	189	150	180
Unit 5	6.90	23.39	360	224	400
Total	17.10	56.32			920
Nasik					
Unit 3	4.20	12.54	195	165	195
Unit 4	4.14	12.40	185	165	180
Unit 5	4.23	12.54	193	165	195
Total	12.57	37.47			570
Uran					
All Units	10.49	31.84	444	427	430
Total	10.49	31.84			430
PENCH (MS)					
Pench (MS)	0.25	0.86	27	0	
Total	0.25	0.86			
Koyna					
Stage 1-2	1.31	4.44	160	40	520
Stage 4	0.00	0.15	0	0	250
Stage 3	1.76	3.65	240	0	240
Kovna 12&4 Total	1.31	4.59			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.07	8.24			1010
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.34	0.56	61	0	61
TILLARI	0.02	0.60	19	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.57	1.41	82	0	80
RNGR+BHTSA	0.00	0.00	0	0	0
BHANDARDRA	0.02	0.02	16	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.30	0.73	13	12	0
GHATGHAR	0.40	2.41	125	0	0
Total	1.65	5.72			201
Wind					
MalharPeth	1.32	3.49			
Vankuswadi	2.46	5.84			
ATIT	0.32	0.83			
Kale	0.86	2.28			
Satara	9.73	24.67			
Shirala	0.74	1.94			
K Mahankal	0.13	0.36			
Supa	0.34	0.90			
Vita	3.81	10.28			
Dondaicha	10.07	20.05			
Sakri	1.46	3.03			
Nandurbar	0.99	1.96			
Khandke	1.15	3.04			
Khaparale	1.44	2.90			
Total	34.81	81.58			
CPP					
JSW JAIGAD	15.96	45.45	795	602	562
WARDHA	8.13	24.11	352	294	344
Adani	25.92	80.84	1220	820	1234
Other CPPs	6.36	27.89			150
Total	56.38	178.29			2290
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.57	28.69	503	310	500
Trombay 6	3.55	10.70	149	147	500
Trombay 7A	2.92	8.77	123	121	120
Trombay 7B	1.62	4.86	68	67	60
Trombay 8	5.41	16.09	253	186	250
TATA Hydro	5.06	15.13	428	0	447
Total	28.13	84.24			1877
REL					
1&2	11.46	33.89	526	398	500
Total	11.46	33.89			500
Cent Sect					
Share					4480
Total					4480

MS PG CL	Thermal	76.09	250.43			3630
	Thml+Gas	86.58	282.26			4060
	Hydro	4.71	13.96			1211
	Total	91.30	296.22			5271
State Total		222.32	620.16			14418

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/Jul/2013

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	3450	215	439	4104	1328	2273	4217	3506	-509	-768	10469	87	10556	2005	12561	50.08
2	3338	210	439	3987	1296	2234	3250	3431	-509	-572	10387	57	10444	1825	12269	49.99
3	3284	280	440	4004	1218	2191	3161	3416	-505	-491	10338	57	10395	1729	12124	50.04
4	3299	194	440	3933	1189	2192	3143	3275	-452	-439	10150	57	10207	1676	11883	50.04
5	3233	124	442	3799	1193	2032	3151	3477	-458	-431	10070	57	10127	1672	11799	50.10
6	3229	57	440	3726	1260	2091	3979	4104	-509	-533	10648	100	10748	1768	12516	50.06
7	3224	172	436	3832	1223	2150	4082	4190	-505	-667	10728	301	11029	1903	12932	50.11
8	3306	106	436	3848	1135	2312	4107	3910	-546	-591	10614	366	10980	2086	13066	50.06
9	3266	156	444	3866	1466	2511	4272	4269	-552	-579	11533	212	11745	2385	14130	50.01
10	3236	192	444	3872	1418	2519	4354	4301	-582	-745	11377	148	11525	2732	14257	49.96
11	3176	322	441	3939	1363	2519	4550	4401	-590	-1004	11229	97	11326	2961	14287	49.99
12	3132	258	444	3834	1439	2511	4554	4336	-594	-1035	11096	102	11198	2991	14189	50.03
13	3127	88	443	3658	1510	2426	4498	4249	-596	-1029	10835	177	11012	2988	14000	50.03
14	3078	57	430	3565	1569	2358	4354	4040	-596	-994	10540	110	10650	2876	13526	50.04
15	3086	82	431	3599	1551	2365	4427	4103	-594	-1000	10618	97	10715	2913	13628	49.89
16	3094	181	432	3707	1647	2357	4424	4211	-591	-1024	10898	99	10997	2902	13899	50.10
17	3053	101	432	3586	1606	2346	4254	4183	-591	-1020	10701	109	10810	2847	13657	50.04
18	3023	127	435	3585	1557	2367	3755	3942	-591	-1017	10446	92	10538	2832	13370	50.06
19	3068	315	436	3819	1728	2420	3976	3941	-587	-903	11030	79	11109	2740	13849	49.96
20	3137	379	427	3943	1580	2446	4462	4380	-585	-766	11607	108	11715	2723	14438	49.86
21	3108	535	436	4079	1580	2440	4468	4125	-585	-666	11582	124	11706	2640	14346	49.93
22	3069	316	431	3816	1603	2448	4468	4057	-559	-698	11247	93	11340	2526	13866	50.02
23	3046	113	434	3593	1694	2429	4304	4130	-562	-845	11023	63	11086	2363	13449	49.93
24	3030	134	439	3603	1661	2441	4197	3780	-562	-862	10650	60	10710	2179	12889	50.12
MUs	76.09	4.71	10.49	91.30	34.81	56.38	98.41	95.76	-13.31	-18.68	259.82	2.85	262.67	58.26	320.93	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 03/Jul/2013

Position as on 6.30 Hrs of 04/Jul/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Cent_Sect Tarapur 2	160	31/12/2012	17.05		Continued.	Refuelling work	
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage/AOH from 06.03.2013	
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Parli Unit 7	250	17/02/2013	01.00		Continued.	Water Shortage.	
Chandrapur Unit 4	210	15/06/2013	13.33		Continued.	Annual Overhaul	
Koyna Unit 5	80	01/07/2013	07.35		Continued.	Maint.Work.	
FORCED OUTAGE							
CPP Adani U-2	660	22/04/2013	13.47		Continued.	ID fan problem.	
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Koyna Unit 11	80	04/06/2013	13.25		Continued.	Rotar Fault.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
CPP WPCL U-4	135	12/06/2013	03.27		Continued.	Turbine Balancing.	
Uran Unit 8	108	21/06/2013	10.15		Continued.	Gas Shortage.	
CPP JSW (J) U1	300	26/06/2013	16.48	03/07/2013	17.12	Condensar Tube Leakage.	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Koradi Unit 5	200	29/06/2013	16.36	03/07/2013	23.41	ID Fan problem	
Koradi Unit 7	210	30/06/2013	09.42		Continued.	GC-2 Heavy Gland Flag Leakage.	
Khaparkheda Unit 2	210	02/07/2013	23.43		Continued.	Boiler Vailidity Extention.	
Chandrapur Unit 3	210	03/07/2013	10.50		Continued.	Boiler Tube Leakage.	
CPP VIPL	300	03/07/2013	12.29		Continued.	CHP Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Jul/2013

Position as on 6.30 Hrs of 04/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Tarapur - II	03/07/2013	09.12	03/07/2013	21.06	Maint. Work.
Lamboti - Solapur (PGCIL)	03/07/2013	09.30	04/07/2013	06.12	Replacement of R Ph CVT.(RFC)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	06/06/2013	16.44		Continued.	Over Voltage
Chandrapur-Bhadravti - I	09/06/2013	16.16		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	13/06/2013	17.07		Continued.	Over Voltage.
Seoni-Wardha-II 765KV.	14/06/2013	10.54		Continued.	Over Voltage
Solapur PG - Parly PG - I	01/07/2013	17.10		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	03/07/2013	00.31	03/07/2013	06.39	Over Voltage.
Dhule-Sar'Sarovar - II	03/07/2013	21.06		Continued.	Over Voltage.
Akola - Wardha - II	04/07/2013	03.20	04/07/2013	05.53	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Satpur	14/06/2013	02.02		Continued.	Over Voltage.
Lamboti - Solapur (PGCIL)	03/07/2013	04.04	03/07/2013	06.54	Over Voltage.
Akola - Aurangabad - II	03/07/2013	04.04	03/07/2013	05.34	Over Voltage.
Akola - Aurangabad- II	03/07/2013	14.51		Continued.	Bus Bar Protection Operated.(Opportunity Outage)
Koradi-Bhilai	03/07/2013	21.40		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT-I @ Deepnagar	07/06/2013	17.03		Continued.	ICT charged through Tie Bay due to higher Tan Delta Values of HV side R Phase Bus-II CT
Akola - Bhusawal	02/07/2013	13.58	03/07/2013	06.01	For Attending Red Hot on R Ph.Akola Bay Line Isolator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main CB of 220/100kV 200 MVA ICTIII @ Padgha	22/05/2013	10.46		Continued.	Repl.of A bus,B bus isolator under JICA scheme.ICT on TBC.
Bableshtar-Bhenda	28/06/2013	09.32	03/07/2013	15.24	Modification of existing BBLR-Waluj & BBLSR Bhenda at Dound-Manmad Rly Crossing.
Aurangabad - Babaleshtar	28/06/2013	09.37	03/07/2013	16.12	Modification of existing BBLR-Waluj & BBLSR Bhenda at Dound-Manmad Rly Crossing.
220/132 KV 100 MVA T/F - III @ Lonand	03/07/2013	10.42	03/07/2013	16.55	Replacement of HV Side LA.
Wadkhal - NDIL - I	03/07/2013	13.07	03/07/2013	17.38	Pilot Wire Replacement Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.
Dabhol - Nagothane - I	06/06/2013	21.21		Continued.	Over Voltage
Khadka - Deepnagar - II	22/06/2013	09.46	03/07/2013	16.50	Over Voltage
Karad - Newkoyna - I	23/06/2013	16.36		Continued.	Over Voltage
Dabhol - New Koyna - I	30/06/2013	10.42		Continued.	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Jul/2013

Position as on 6.30 Hrs of 04/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Karad - Kolhapur - I	02/07/2013	17.16	03/07/2013	09.28	Over Voltage.
Lonikand- Koyna Stage IV	03/07/2013	00.19	03/07/2013	08.19	Over Voltage.
Deepnagar-Aurangabad-I	03/07/2013	16.53		Continued.	Over Voltage.
Karad - Kolhapur - I	03/07/2013	20.53		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	04/07/2013	00.19		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Aurangabad - Bhenda	03/07/2013	15.03	03/07/2013	15.22	Due to Tripping of ICT-III @ Aurangabad to Control ICT Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated Declared Faulty by Genco.
Deepnagar-Aurangabad-II	02/07/2013	00.56		Continued.	Distance Protection.
Akola - Indiabull (Nandgaonpeth)	03/07/2013	04.04	03/07/2013	08.54	Over Voltage.
Koradi - II - Indiabull	03/07/2013	04.04		Continued.	Over Voltage.
Chandrapur - Parli - I	03/07/2013	05.16	03/07/2013	06.27	Over Voltage.
400/220KV,500 MVA ICT-III At A'bad.	03/07/2013	14.51	03/07/2013	15.21	Bus Bar Protection Operated.
Bhusawal- Aurangabad	03/07/2013	14.51	03/07/2013	15.16	Bus Bar Protection Operated.
Main Bus- I @ Aurangabad	03/07/2013	14.51	03/07/2013	15.14	Bus Bar Protection Operated.
Chandrapur - Parli - III	03/07/2013	21.40		Continued.	Over Voltage.
Koradi - New Koradi	03/07/2013	21.40		Continued.	Over Voltage.
Akola - Indiabull (Nandgaonpeth)	04/07/2013	02.40	04/07/2013	06.26	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Parly - Harangool - I	03/07/2013	05.55	03/07/2013	06.25	Distance Protection Operated Z-II B Ph.
220/132 KV 100 MVA T/F - I @ Valve	04/07/2013	04.49		Continued.	Diff. Protection.
220/132 KV 100 MVA T/F - II @ Valve	04/07/2013	04.49		Continued.	Diff. Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Waghala-Umri II	03/07/2013	19.27	03/07/2013	19.42	Distance Protection Operated Z-I R Ph.
Nandurbar-Visarwadi	04/07/2013	03.35		Continued.	Distance Protection Z-I R Ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Jul/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	110
Unit 7	210	0
	620	240
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	500	215
Unit 5	500	
	1420	535
Parli		
Unit 3	210	
Unit 4	210	
Unit 5	210	
Unit 6	250	
Unit 7	250	
	1130	
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	0
Unit 4	210	0
Unit 5	500	200
Unit 6	500	150
Unit 7	500	200
	2340	860
Paras		
Unit 3	250	160
Unit 4	250	170
	500	330
Khaparkheda		
Unit 1	210	120
Unit 2	210	0
Unit 3	210	150
Unit 4	210	140
Unit 5	500	300
	1340	710
Nasik		
Unit 3	210	195
Unit 4	210	180
Unit 5	210	195
	630	570
Uran		
All Units	852	430
	852	430
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	240
	1920	1010
Hydro		
KDPH	40	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	
BHIRA T.R.	80	80
RNGR+BHTSA	20	
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	0
GHATGHAR	250	
	611	201
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	1200	790
WARDHA	405	345
Adani	1320	1234
Other CPPs	300	0
	3225	2369
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	4793
	3455	4793