



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Jul/2013

State Load Dispatch Center, Airoli (MSETCL)

Daily system Report for 12/Jul/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	79.299	962.148	1) Gujrat	9.847	165.650
2) Hydro	5.539	69.851	2) Madhya Pradesh	16.368	204.802
3) Gas	8.791	120.927	3) Chattisgarh	5.240	78.120
Total MSGENCO	93.629	1152.926	4) Maharashtra	40.324	655.161
B) 1) JSW JAIGAD	22.408	234.935	5) Goa	-4.745	-57.159
2) WPCL	8.052	95.282	6) TAPS 1&2 Injection	3.749	37.881
3) ADANI	27.780	288.130	7) RGPPL Injection	5.939	78.264
4) Other CPP / IPP	9.313	102.344	8) Pench (Excess)	-0.240	-2.467
5) Wind Generation	20.443	281.785	# Total Cent. Sector	76.482	1160.252
6) PENCH (MS)	0.240	2.467	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.120	-200.565
1) TPCL Thermal	21.875	273.078	G) Bilateral Power *		
2) TPCL Hydro	5.329	54.876	1) MSEDCL Bilateral	44.581	461.084
TOTAL TPCL	27.204	327.954	Include PX	-6.145	-18.080
3) REL Thermal	11.630	136.355	2) MUMBAI Bilateral	12.848	167.721
D) STATE			Include PX	0.150	25.212
1) Thermal (A1+C1+C3)	112.804	1371.581	3) MUMBAI Schedule	12.848	167.721
2) Hydro (A2+B5+C2)	11.108	127.194	H) ENERGY CATERED (MUs)		
3) Gas (A3)	8.791	120.927	1) MSEDCL	244.227	3117.556
4) Wind (B4)	20.443	281.785	2) TPCL	34.754	436.374
5) CPP (B1+B2+B3)	67.553	460.341	3) REL	18.208	228.501
TOTAL STATE	220.699	2361.828	TOTAL STATE	297.189	3782.431

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 9 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3340	3331	3344
MSGENCO Hydro	220	209	555
MSGENCO Gas	450	279	393
MSGENCO Total Generation	4010	3819	4292
Central Sector Receipt	4189	3563	2019
WIND	667	1298	544
CPP / IPP	2970	2721	2992
Exchange with Mumbai	-539	-533	-96
MSEDCL DEMAND MET	11297	10878	9760
Load Shedding	47	51	47
MSEDCL DEMAND	11344	10929	9807
TPCL GENERATION	1182	1332	981
R-INFRA GENERATION	526	524	517
TPCL+R-INFRA DEMAND	2247	2389	1594
STATE DEMAND MET	13544	13267	11354
STATE DEMAND	13591	13318	11401
Frequency (Hz)	50.04	50.00	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.38 Hz at 13:06 Hrs	49.7 Hz at 14:50 Hrs	50.06	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 12/Jul/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.63	20.88	131	0	0
Unit 6	3.32	35.60	154	124	140
Unit 7	3.84	11.52	180	140	160
Total	7.80	68.00			300
Bhusawal					
Unit 2	2.97	39.42	145	100	160
Unit 3	2.84	38.78	135	100	140
Unit 4	6.34	66.08	305	210	323
Unit 5	0.00	12.40	0	0	0
Total	12.14	156.68			623
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	3.27	41.31	148	119	160
Unit 2	3.31	42.31	159	107	160
Unit 3	3.02	22.13	184	95	165
Unit 4	0.00	0.00	0	0	0
Unit 5	5.34	63.20	240	210	300
Unit 6	5.81	60.06	270	210	260
Unit 7	5.16	66.64	234	195	250
Total	25.91	295.65			1295
Paras					
Unit 3	3.91	47.72	183	150	200
Unit 4	4.00	52.33	200	146	200
Total	7.91	100.05			400
Khaparkheda					
Unit 1	3.14	34.16	160	95	160
Unit 2	3.38	32.92	170	120	160
Unit 3	3.46	32.72	157	122	180
Unit 4	3.54	48.18	165	135	180
Unit 5	6.04	82.19	310	171	350
Total	19.57	230.16			1030
Nasik					
Unit 3	4.25	49.95	185	170	195
Unit 4	0.00	25.26	0	0	0
Unit 5	1.71	36.40	176	0	0
Total	5.96	111.61			195
Uran					
All Units	8.79	120.93	451	279	440
Total	8.79	120.93			440
PENCH (MS)					
Pench (MS)	0.24	2.47	27	0	0
Total	0.24	2.47			0
Koyna					
Stage 1-2	1.50	20.68	205	40	600
Stage 4	0.00	6.39	0	0	250
Stage 3	1.67	16.29	240	0	240
Kovna 12&4 Total	1.50	27.07			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.17	43.36			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.15	0.90	60	0	0
TILLARI	0.18	2.52	59	0	60
BHTGR/VEER	0.08	0.71	4	3	4
BHIRA T.R.	0.48	5.50	80	0	80
RNGR+BHTSA	0.02	0.08	1	1	0
BHANDARDRA	0.15	1.12	34	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.66	4.64	28	27	32
GHATGHAR	0.66	11.03	125	0	0
Total	2.37	26.49			176
Wind					
MalharPeth	1.21	14.77			
Vankuswadi	2.00	22.48			
ATIT	0.25	5.25			
Kale	0.72	8.15			
Satara	6.36	75.39			
Shirala	0.59	7.91			
K Mahankal	0.06	4.37			
Supa	0.22	3.31			
Vita	2.08	34.74			
Dondaicha	3.81	64.67			
Sakri	0.50	10.45			
Nandurbar	0.45	6.43			
Khandke	1.11	12.33			
Khaparale	1.10	11.54			
Total	20.44	281.78			
CPP					
JSW JAIGAD	22.41	234.94	970	865	870
WARDHA	8.05	95.28	346	312	355
Adani	27.78	288.13	1230	850	1234
Other CPPs	9.31	102.34			373
Total	67.55	720.69			2832
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.77	112.43	488	316	500
Trombay 6	3.56	42.84	149	148	500
Trombay 7A	2.95	35.34	126	114	120
Trombay 7B	1.62	19.48	69	65	60
Trombay 8	4.98	62.98	249	172	250
TATA Hydro	5.33	54.88	387	72	447
Total	27.20	327.95			1877
REL					
1&2	11.63	136.36	528	396	500
Total	11.63	136.36			500
Cent Sect					
Share					4263
Total					4263

MS PG CL	Thermal	79.30	962.15			3843
	Thml+Gas	88.09	1083.08			4283
	Hydro	5.54	69.85			1266
	Total	93.63	1152.93			5549
State Total		220.70	2361.83			15021

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	3257	183	389	3829	552	2910	2919	3295	-522	-496	10093	75	10168	1815	11983	50.04
2	3339	489	389	4217	477	2886	2613	2745	-432	-376	9949	47	9996	1685	11681	50.05
3	3420	582	391	4393	570	3017	2511	2254	-385	-313	9921	47	9968	1621	11589	50.01
4	3344	555	393	4292	544	2992	2510	2019	-376	-96	9760	47	9807	1594	11401	50.00
5	3383	145	420	3948	541	2965	2866	2559	-400	-27	9999	47	10046	1583	11629	50.12
6	3384	77	450	3911	600	2968	2936	3271	-426	-85	10665	48	10713	1662	12375	49.99
7	3358	82	451	3891	613	3078	3389	3815	-491	-221	11176	48	11224	1796	13020	50.16
8	3435	112	449	3996	644	3011	3869	3858	-530	-379	11130	48	11178	1948	13126	50.19
9	3340	220	450	4010	667	2970	3787	4189	-580	-539	11297	47	11344	2247	13591	50.04
10	3239	216	440	3895	708	3001	3967	4043	-562	-702	10945	47	10992	2581	13573	50.08
11	3168	192	392	3752	628	2995	4259	4320	-785	-995	10700	47	10747	2746	13493	50.12
12	3180	147	390	3717	702	2983	3512	3871	-827	-1013	10260	48	10308	2782	13090	50.07
13	3207	237	384	3828	800	2961	3417	3253	-817	-1017	9830	99	9929	2712	12641	50.06
14	3221	96	386	3703	812	2702	3653	2845	-730	-964	9121	51	9172	2550	11722	50.12
15	3253	76	385	3714	938	2533	3536	2970	-720	-922	9259	51	9310	2533	11843	49.95
16	3348	101	387	3836	1046	2481	3129	2848	-672	-934	9304	51	9355	2520	11875	49.93
17	3295	167	279	3741	1015	2666	2811	2713	-421	-792	9356	51	9407	2505	11912	50.02
18	3320	339	281	3940	1061	2729	2563	2608	-419	-712	9651	52	9703	2490	12193	50.12
19	3322	428	281	4031	1153	2708	2652	2797	-444	-601	10111	52	10163	2431	12594	50.08
20	3332	464	279	4075	1220	2732	3687	3326	-458	-584	10779	52	10831	2430	13261	50.00
21	3331	209	279	3819	1298	2721	3895	3563	-464	-533	10878	51	10929	2389	13318	50.00
22	3336	107	282	3725	1272	2716	3491	3080	-468	-504	10299	51	10350	2257	12607	50.05
23	3261	150	282	3693	1288	2564	3077	3194	-463	-676	10089	51	10140	2114	12254	50.09
24	3226	165	282	3673	1294	2264	3212	3046	-456	-639	9655	51	9706	1963	11669	50.19
MUs	79.30	5.54	8.79	93.63	20.44	67.55	78.26	76.48	-12.85	-14.12	244.23	1.26	245.49	52.95	298.44	50.06

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 12/Jul/2013

Position as on 6.30 Hrs of 13/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	
Nasik Unit 4	210	07/07/2013	02.00		Continued.	C.O.H.	
FORCED OUTAGE							
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.	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Uran Unit 7	108	30/06/2013	12.42		Continued.	Gas Shortage.	
Bhusawal Unit 5	500	03/07/2013	23.40		Continued.	ESP Problem.	
CPP Adani U1	660	04/07/2013	20.11		Continued.	BOILER TUBE LEAKAGE	
Nasik Unit 5	210	09/07/2013	09.30	12/07/2013	10.55	Boiler Tube Leakage	
Koradi Unit 5	200	10/07/2013	20.16	12/07/2013	17.33	Flame Failure.	
Koyna Unit 3	75	11/07/2013	23.20	12/07/2013	04.05	Differential Protection.	
CPP VIPL	300	12/07/2013	16.04		Continued.	Bunker Chocking Problem.	
Uran Unit 6	108	12/07/2013	16.38		Continued.	Gas Shortage.	
CPP INDIABULLS	270	12/07/2013	16.41		Continued.	Tripped,due to Koradi-Indiabull Ckt A/R Opetd.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Jul/2013

Position as on 6.30 Hrs of 13/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-Bhoisor (PGCIL)	12/07/2013	13.47	12/07/2013	17.40	Maint work by PGCIL.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudshingi-Chikodi	12/07/2013	12.45	12/07/2013	21.20	Maint Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Seoni - I	01/07/2013	08.35		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	06/07/2013	17.08		Continued.	Over Voltage.
Kolhapur - Mapusa - I	11/07/2013	16.36	13/07/2013	06.27	Over Voltage.
Parli - Solapur (PGCIL) - I	11/07/2013	18.07		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	12/07/2013	01.17		Continued.	Over Voltage.
Solapur - Solapur (PG)	12/07/2013	12.56		Continued.	Over Voltage.
Akola - Wardha - I	13/07/2013	00.11		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Satpur	14/06/2013	02.02		Continued.	Over Voltage.(RFC 24.06.13, 18.40Hrs)
Karad - Solapur (PGCIL)	12/07/2013	22.12		Continued.	Over Voltage.
Akola-Aurangabad--II	12/07/2013	23.01	13/07/2013	06.44	Over Voltage.
Kolhapur - Mapusa - II	13/07/2013	03.30		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
Dabhol-Nagothane - II	09/07/2013	12.08		Continued.	Taking A/R in to service at N'thane end(Ready for Charging 19.48Hrs)
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.
Karad - Sadawaghapur - II	12/07/2013	10.51	12/07/2013	20.37	Red Hot Spot.
Bus Sec.II at Borivali (R)	12/07/2013	11.06	12/07/2013	14.05	Annual Maint.Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132KV 200 MVA ICT-III @ Chinchwad	12/07/2013	22.07	12/07/2013	23.16	Repl of Y-Ph Bus Iso.Jaw.
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
Karad - Newkoyna - I	23/06/2013	16.36		Continued.	Over Voltage
Dabhol - New Koyna - I	30/06/2013	10.42		Continued.	Over Voltage.
Karad - Kolhapur - I	05/07/2013	17.10		Continued.	Over Voltage.
Bhusawal- Aurangabad	11/07/2013	13.28		Continued.	Over Voltage.
Deepnagar-Aurangabad-II	11/07/2013	15.31	12/07/2013	11.10	Over Voltage.
Karad - Kolhapur - II	11/07/2013	21.40		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	12/07/2013	00.12	12/07/2013	08.15	Over Voltage.
Chandrapur - Parli - III	12/07/2013	02.27		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	12/07/2013	11.21		Continued.	Changeover.Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Jul/2013

Position as on 6.30 Hrs of 13/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
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.
Lonikand - Parli - II	12/07/2013	02.27	12/07/2013	06.57	While Handtripped of Parli-C'pur-III.
Karad - Lonikand	12/07/2013	22.12		Continued.	Over Voltage.
Koradi - II - Indiabull	12/07/2013	23.01	13/07/2013	07.22	Over Voltage.
Akola - Indiabull (Nandgaonpeth)	12/07/2013	23.01		Continued.	Over Voltage.
Akola - Bhusawal	13/07/2013	00.13		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Chandrapur MIDC-Gadchandur	12/07/2013	00.18	12/07/2013	00.42	Dist.Prot.
Bhenda-Waluj	12/07/2013	00.45	12/07/2013	01.37	No Indication.
Lote - Dasturi	12/07/2013	16.55	12/07/2013	23.38	Dist Prot,Cond.snap.
Voltage Level : 132KV			Outage Type TRIPPED		
Kawalewada-Gondia-I	12/07/2013	02.27	12/07/2013	06.57	Dist.Prot.
Gangakhed - Kandhar	12/07/2013	20.50	12/07/2013	21.12	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Jul/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	140
Unit 7	210	160
	620	440
Bhusawal		
Unit 2	210	116
Unit 3	210	116
Unit 4	500	240
Unit 5	500	
	1420	472
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	120
Unit 2	210	120
Unit 3	210	110
Unit 4	210	0
Unit 5	500	225
Unit 6	500	200
Unit 7	500	230
	2340	1005
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	140
Unit 2	210	140
Unit 3	210	160
Unit 4	210	160
Unit 5	500	250
	1340	850
Nasik		
Unit 3	210	195
Unit 4	210	0
Unit 5	210	195
	630	390
Uran		
All Units	852	380
	852	380
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	60
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	144
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	870
WARDHA	405	335
Adani	1320	1234
Other CPPs	300	
	3225	2439
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	4229
	3455	4229