



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Jun/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Jun/2013 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	97.183	1120.408	1) Gujrat	2.115	50.861
2) Hydro	4.938	90.676	2) Madhya Pradesh	20.090	216.627
3) Gas	10.132	110.776	3) Chattisgarh	8.840	116.760
Total MSGENCO	112.253	1321.860	4) Maharashtra	60.360	785.943
B) 1) JSW JAIGAD	19.550	314.716	5) Goa	-5.457	-68.023
2) WPCL	8.116	98.761	6) TAPS 1&2 Injection	3.756	45.438
3) ADANI	28.170	212.740	7) RGPPL Injection	0.000	71.977
4) Other CPP / IPP	12.164	139.412	8) Pench (Excess)	-0.108	-2.263
5) Wind Generation	17.665	173.663	# Total Cent. Sector	89.596	1217.320
6) PENCH (MS)	0.108	2.263	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-18.326	-202.205
1) TPCL Thermal	22.851	294.543	G) Bilateral Power *		
2) TPCL Hydro	4.595	52.468	1) MSEDCL Bilateral	32.409	408.044
TOTAL TPCL	27.446	347.011	Include PX	-0.395	-0.297
3) REL Thermal	11.297	138.793	2) MUMBAI Bilateral	13.059	191.896
D) STATE			Include PX	-0.845	21.251
1) Thermal (A1+C1+C3)	131.331	1553.744	3) MUMBAI Schedule	13.059	191.896
2) Hydro (A2+B5+C2)	9.641	145.407	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.132	110.776	1) MSEDCL	269.296	3278.530
4) Wind (B4)	17.665	173.663	2) TPCL	37.590	449.273
5) CPP (B1+B2+B3)	68.000	581.059	3) REL	19.478	238.721
TOTAL STATE	236.769	2564.649	TOTAL STATE	326.364	3966.524

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4097	4375	3692
MSGENCO Hydro	473	399	52
MSGENCO Gas	417	426	421
MSGENCO Total Generation	4987	5200	4165
Central Sector Receipt	3719	4013	3452
WIND	719	994	583
CPP / IPP	2988	2837	2457
Exchange with Mumbai	-745	-578	-431
MSEDCL DEMAND MET	11668	12473	10226
Load Shedding	90	63	77
MSEDCL DEMAND	11758	12536	10303
TPCL GENERATION	1610	1467	849
R-INFRA GENERATION	523	524	404
TPCL+R-INFRA DEMAND	2878	2569	1684
STATE DEMAND MET	14546	15042	11910
STATE DEMAND	14636	15105	11987
Frequency (Hz)	49.97	49.99	50.08

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.47 Hz at 17.34 Hrs	49.55 Hz at 22.06 Hrs	50.05	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/Jun/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	17.31	0	0	0
Unit 6	2.97	33.78	151	106	135
Unit 7	3.39	24.67	170	115	130
Total	6.36	75.75			265
Bhusawal					
Unit 2	2.91	19.10	135	110	130
Unit 3	3.06	23.44	140	115	130
Unit 4	0.00	54.52	0	0	0
Unit 5	8.09	52.82	390	280	0
Total	14.06	149.90			260
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	3.35	41.74	144	130	160
Unit 2	3.40	43.40	155	118	160
Unit 3	4.20	50.11	187	156	190
Unit 4	2.77	41.41	121	110	150
Unit 5	8.68	79.12	405	324	400
Unit 6	8.86	107.35	395	332	400
Unit 7	9.67	105.12	433	368	400
Total	40.93	468.26			1860
Paras					
Unit 3	5.05	63.70	235	175	250
Unit 4	1.54	51.23	239	0	0
Total	6.59	114.94			250
Khaparkheda					
Unit 1	2.72	32.00	135	85	150
Unit 2	3.86	40.44	170	140	170
Unit 3	4.33	46.52	210	159	190
Unit 4	0.00	1.62	0	0	0
Unit 5	6.37	51.85	310	218	300
Total	17.27	172.42			810
Nasik					
Unit 3	3.66	50.98	185	0	195
Unit 4	4.13	45.18	182	162	185
Unit 5	4.19	42.99	195	162	195
Total	11.98	139.14			575
Uran					
All Units	10.13	110.78	451	368	430
Total	10.13	110.78			430
PENCH (MS)					
Pench (MS)	0.11	2.26	24	0	
Total	0.11	2.26			
Koyna					
Stage 1-2	1.28	25.46	190	40	530
Stage 4	0.15	15.52	73	0	250
Stage 3	0.58	10.41	140	0	160
Kovna 12&4 Total	1.43	40.98			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.01	51.39			940
Hydro					
KDPH	0.00	1.63	0	0	0
VTRNA	0.91	9.83	61	0	61
TILLARI	0.00	3.13	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.35	3.05	80	0	80
RNGR+BHTSA	0.18	2.49	10	0	10
BHANDARDRA	0.00	1.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.17	2.90	7	6	0
GHATGHAR	1.32	15.27	250	0	0
Total	2.93	39.28			151
Wind					
MalharPeth	1.07	6.34			
Vankuswadi	1.95	12.01			
ATIT	0.28	1.72			
Kale	0.71	4.60			
Satara	7.40	47.24			
Shirala	0.58	4.33			
K Mahankal	0.10	0.87			
Supa	0.23	1.89			
Vita	2.43	24.67			
Dondaicha	1.19	46.13			
Sakri	0.33	6.67			
Nandurbar	0.11	4.52			
Khandke	0.97	7.19			
Khaparale	0.31	5.49			
Total	17.66	173.66			
CPP					
JSW JAIGAD	19.55	314.72	979	716	825
WARDHA	8.12	98.76	357	284	350
Adani	28.17	212.74	1230	1020	617
Other CPPs	12.16	139.41			324
Total	68.00	765.63			2116
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.30	121.26	503	315	500
Trombay 6	4.14	53.57	327	148	500
Trombay 7A	2.92	34.19	125	114	120
Trombay 7B	1.62	19.07	68	65	60
Trombay 8	4.87	66.45	242	180	250
TATA Hydro	4.60	52.47	401	0	447
Total	27.45	347.01			1877
REL					
1&2	11.30	138.79	527	402	500
Total	11.30	138.79			500
Cent Sect					
Share					3965
Total					3965

MS PG CL	Thermal	97.18	1120.41			4020
	Thml+Gas	107.32	1231.18			4450
	Hydro	4.94	90.68			1091
	Total	112.25	1321.86			5541
State Total		236.77	2564.65			13999

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/Jun/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	3887	56	422	4365	696	2793	3660	3659	-510	-802	10711	97	10808	2031	12839	50.06
2	3910	46	422	4378	691	2555	3445	3589	-361	-622	10591	74	10665	1861	12526	50.12
3	3832	47	423	4302	666	2553	3334	3416	-330	-537	10400	74	10474	1782	12256	50.10
4	3807	52	421	4280	655	2449	3262	3292	-299	-480	10196	77	10273	1730	12003	50.07
5	3692	52	421	4165	583	2457	3214	3452	-327	-431	10226	77	10303	1684	11987	50.08
6	3693	55	429	4177	495	2689	3294	3755	-406	-481	10635	111	10746	1732	12478	49.98
7	3772	259	429	4460	544	2885	3305	3738	-453	-565	11062	172	11234	1816	13050	50.20
8	3848	271	430	4549	518	2939	3361	3839	-498	-694	11151	231	11382	1951	13333	50.04
9	3940	388	431	4759	570	2916	3558	3690	-546	-743	11192	204	11396	2325	13721	49.99
10	4041	526	429	4996	597	2957	3693	3750	-586	-690	11610	118	11728	2638	14366	50.05
11	4097	473	417	4987	719	2988	3744	3719	-668	-745	11668	90	11758	2878	14636	49.97
12	4094	282	397	4773	712	3020	3791	3747	-677	-811	11441	117	11558	2927	14485	50.06
13	4104	124	368	4596	640	3004	3854	3844	-680	-905	11192	213	11405	2879	14284	50.08
14	4102	118	395	4615	748	2980	3874	3723	-676	-1009	11081	129	11210	2784	13994	50.13
15	4137	137	402	4676	868	3050	3749	3830	-670	-1035	11413	98	11511	2793	14304	50.12
16	4108	117	444	4669	839	2972	3808	3929	-671	-1092	11330	66	11396	2827	14223	50.05
17	4138	122	425	4685	968	2941	3607	3754	-664	-1105	11243	65	11308	2800	14108	50.08
18	4198	117	451	4766	870	2917	3173	3677	-603	-1130	11100	76	11176	2721	13897	50.25
19	4106	452	439	4997	780	2606	3297	3851	-525	-995	11252	73	11325	2606	13931	50.05
20	4295	534	426	5255	858	2815	3769	4080	-601	-845	12177	72	12249	2640	14889	49.98
21	4375	399	426	5200	994	2837	3844	4013	-606	-578	12473	63	12536	2569	15105	49.99
22	4368	123	429	4920	936	2874	3815	3850	-574	-650	11930	59	11989	2512	14501	50.00
23	4325	128	428	4881	838	2859	3684	3743	-570	-661	11660	59	11719	2383	14102	49.84
24	4314	60	428	4802	880	2944	3671	3661	-558	-720	11567	59	11626	2200	13826	50.01
MUs	97.18	4.94	10.13	112.25	17.66	68.00	85.81	89.60	-13.06	-18.33	269.30	2.47	271.78	57.07	328.84	50.05

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/Jun/2013

Position as on 6.30 Hrs of 13/Jun/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.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
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.	
Uran Unit 8	108	07/05/2013	00.15		Continued.	Turbine Blade & Mixing Chamber Work	
Cent_Sect NTPC (V-1)	210	17/05/2013	00.15		Continued.	Annual Overhaul	
Khaparkheda Unit 4	210	01/06/2013	12.31		Continued.	Annual Overhaul	26/06/2013
FORCED OUTAGE							
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
CPP Adani U-2	660	22/04/2013	13.47		Continued.	ID fan problem.	
Dabhol 1A	230	23/05/2013	12.58		Continued.	Gas Shortage	
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1X	290	28/05/2013	22.02		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 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 2X	290	06/06/2013	09.12		Continued.	Gas Shortage	
Bhusawal Unit 4	500	08/06/2013	22.22		Continued.	Boiler Tube Leakage	
Koradi Unit 5	200	10/06/2013	02.52		Continued.	Furnace Pressure High	
Koyna Unit 4	75	10/06/2013	08.30		Continued.	B Phase power T/F Conservator Air cell ballon leakage	
Koyna ST-IV 2	250	10/06/2013	09.30	12/06/2013	17.00	R.M.Work	
Paras Unit 4	250	10/06/2013	10.02	12/06/2013	16.17	Boiler Tube Leakage	
CPP JSW (J) U2	300	12/06/2013	01.27	12/06/2013	22.51	Withdrawn Due to Non-Availability of Schedule.	
CPP INDIABULLS	270	12/06/2013	03.24	12/06/2013	05.42	Gen.Protection Operated.	
CPP WARDHA	405	12/06/2013	03.27		Continued.	Turbine Balancing.	
Nasik Unit 3	210	12/06/2013	04.15	12/06/2013	06.20	Feeder Gear Problem.	
CPP INDIABULLS	270	12/06/2013	19.29		Continued.	Flame Failure.	

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

Position as on 6.30 Hrs of 13/Jun/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PGCIL)-Bhadravati-II	02/06/2013	19.24		Continued.	Over Voltage
765 KV Wardha - Seoni - I	02/06/2013	20.11		Continued.	Over Voltage
Kolhapur - Mapusa - I	06/06/2013	16.44		Continued.	Over Voltage
Chandrapur-Bhadravti - I	09/06/2013	16.16		Continued.	Over Voltage
Kolhapur-Solapur(PGCIL)-I	10/06/2013	20.26		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	10/06/2013	23.01		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Deepnagar-Aurangabad-II	07/06/2013	10.57		Continued.	Taking Oil Samples From Line,Bus Tie for DGA,Ready for charging 15.38Hrs
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
400/220 KV 315 MVA ICT-II @ Nagothane.	12/06/2013	18.28	12/06/2013	20.18	LV Side Taken on TBC Due Problem in Breaker.
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.Outage for 10days.
220 KV 40 MVA ST T/F - IV @ Khaperkheda	11/06/2013	15.45		Continued.	Oil Filtration & Allied Work 10 Days.
Nasik - Airoli - Knowledge Park	12/06/2013	10.07	12/06/2013	19.07	Replacement of Faulty String.
Karkumbh-Jeur	12/06/2013	10.46	12/06/2013	12.30	Replacement of Flashover Insulator.
Nagothane - ACCIL	12/06/2013	11.18	12/06/2013	15.15	Premansoon,Bay Maint. & Testing 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
Bhusawal- Aurangabad	07/06/2013	14.34		Continued.	Over Voltage
Karad - Kolhapur - II	08/06/2013	00.20		Continued.	Over Voltage
Dabhol - New Koyna - I	10/06/2013	01.10		Continued.	Over Voltage
Khadka - Deepnagar - I	10/06/2013	11.06		Continued.	Over Voltage
Karad - Kolhapur - I	12/06/2013	00.10	12/06/2013	09.09	Over Voltage.
Lonikand- Koyna Stage IV	12/06/2013	01.13	12/06/2013	07.40	Over Voltage.
Karad - Kolhapur - I	13/06/2013	01.00		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	27/05/2013	17.23		Continued.	To avoid over loading by taking line in grid.
Theur-Phursungi-I	07/06/2013	14.55		Continued.	Hand tripped
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.

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

Position as on 6.30 Hrs of 13/Jun/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
400/220 KV 600 MVA ICT - IV @ Padgha	10/06/2013	11.30		Continued.	R phase Oil Leakage tripped on Buchholz, Charged on NO Load from H V Side. @ 21.32 on 12.6.13.
Karad-Jaigad II	12/06/2013	12.07	12/06/2013	14.52	Distance Protection.
Karad-Jaigad II	12/06/2013	15.56	12/06/2013	19.45	Distance Protection.
Karad-Jaigad II	13/06/2013	01.18		Continued.	Distance Protection.
Karad-Jaigad I	13/06/2013	03.45	13/06/2013	07.01	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV, 200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff. Protection
Suryalaxmi - Kanhan	12/06/2013	02.05	12/06/2013	17.41	B Ph., PDR Operated, Trip Ckt Faulty, Ckt Taken on TBC.
Pedambe - Oni	12/06/2013	04.27	12/06/2013	11.34	Distance Protection.
Pedambe - Oni	12/06/2013	22.25		Continued.	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
132/11KV 16 MVA T/F @ Deepnagar	04/06/2013	01.34		Continued.	Bursting of H V Y Ph. Bushing.
Gangakhed - Prabhani	12/06/2013	05.15	12/06/2013	05.35	Distance Protection Operated Z-I R Ph.
Waghala-Umri II	12/06/2013	05.22	12/06/2013	05.39	Distance Protection Operated Z-I R Ph.
Kanhan - Mouda	12/06/2013	13.13	12/06/2013	14.33	Distance Protection Operated Z-I R-E.
Elichpur - Hingoli	12/06/2013	13.55	12/06/2013	19.10	Distance Protection Operated Z-I @ Loc 104 Y Ph. Jumper Open.
Asgaon-Bramhapuri	12/06/2013	16.21	12/06/2013	16.50	Distance Protection.
Ajgaon-Bramhapuri	12/06/2013	16.21	12/06/2013	16.50	Distance Protection Operated Z-I R Ph, A A Energy Generation Affected 10.15 MW, Load Affected 14.41 MW.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Jun/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	125
Unit 7	210	155
	620	280
Bhusawal		
Unit 2	210	130
Unit 3	210	130
Unit 4	500	0
Unit 5	500	0
	1420	260
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	150
Unit 2	210	150
Unit 3	210	185
Unit 4	210	110
Unit 5	500	350
Unit 6	500	400
Unit 7	500	350
	2340	1695
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	180
Unit 4	210	0
Unit 5	500	320
	1340	800
Nasik		
Unit 3	210	195
Unit 4	210	185
Unit 5	210	195
	630	575
Uran		
All Units	852	430
	852	430
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	160
	1920	940
Hydro		
KDPH	40	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	151
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	1005
WARDHA	405	350
Adani	1320	617
Other CPPs	300	176
	3225	2148
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	4079
	3455	4079