



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Jun/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 23/Jun/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	83.026	1978.200	1) Gujrat	13.058	159.028
2) Hydro	4.849	160.121	2) Madhya Pradesh	17.998	406.580
3) Gas	9.693	218.449	3) Chattisgarh	10.010	216.360
Total MSGENCO	97.568	2356.770	4) Maharashtra	61.149	1409.757
B) 1) JSW JAIGAD	18.730	545.389	5) Goa	-4.872	-126.323
2) WPCL	7.937	183.244	6) TAPS 1&2 Injection	3.542	82.206
3) ADANI	26.880	501.910	7) RGPPL Injection	0.000	71.977
4) Other CPP / IPP	6.361	237.216	8) Pench (Excess)	-0.164	-5.120
5) Wind Generation	23.207	428.635	# Total Cent. Sector	100.721	2214.465
6) PENCH (MS)	0.164	5.120	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-18.078	-382.978
1) TPCL Thermal	13.006	518.204	G) Bilateral Power *		
2) TPCL Hydro	4.972	111.416	1) MSEDCL Bilateral	40.164	811.572
TOTAL TPCL	17.978	629.620	Include PX	0.000	-26.629
3) REL Thermal	10.994	261.310	2) MUMBAI Bilateral	13.965	334.983
D) STATE			Include PX	1.309	24.731
1) Thermal (A1+C1+C3)	107.026	2757.714	3) MUMBAI Schedule	13.965	334.983
2) Hydro (A2+B5+C2)	9.985	276.657	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.693	218.449	1) MSEDCL	263.490	6089.771
4) Wind (B4)	23.207	428.635	2) TPCL	30.094	834.087
5) CPP (B1+B2+B3)	59.908	992.729	3) REL	16.962	439.734
TOTAL STATE	209.819	4674.184	TOTAL STATE	310.546	7363.592

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3426	3548	3499
MSGENCO Hydro	270	705	79
MSGENCO Gas	397	377	404
MSGENCO Total Generation	4093	4630	3982
Central Sector Receipt	4413	4280	3612
WIND	1010	698	1054
CPP / IPP	2658	2576	2439
Exchange with Mumbai	-764	-714	-656
MSEDCL DEMAND MET	11410	11496	10441
Load Shedding	326	192	88
MSEDCL DEMAND	11736	11688	10529
TPCL GENERATION	851	1001	603
R-INFRA GENERATION	525	515	399
TPCL+R-INFRA DEMAND	2140	2230	1658
STATE DEMAND MET	13550	13726	12099
STATE DEMAND	13876	13918	12187
Frequency (Hz)	50.12	49.89	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.48 Hz at 06.02 Hrs	49.69 Hz at 19.42 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 23/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	0.00	55.68	0	0	0
Unit 7	3.33	50.91	160	110	165
Total	3.33	123.90			165
Bhusawal					
Unit 2	0.00	27.86	0	0	0
Unit 3	3.76	60.04	175	140	170
Unit 4	4.10	59.32	190	140	270
Unit 5	1.11	77.18	140	0	0
Total	8.98	224.40			440
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	3.36	76.78	149	130	150
Unit 2	3.55	79.41	151	142	150
Unit 3	3.96	88.44	189	123	180
Unit 4	0.00	48.49	0	0	0
Unit 5	6.66	151.23	325	245	325
Unit 6	5.71	177.25	270	220	300
Unit 7	5.82	174.51	265	220	300
Total	29.06	796.11			1405
Paras					
Unit 3	5.00	112.84	236	183	230
Unit 4	4.66	104.26	222	177	230
Total	9.66	217.10			460
Khaparkheda					
Unit 1	3.52	59.79	160	120	150
Unit 2	3.60	77.35	160	130	160
Unit 3	3.60	87.27	155	143	150
Unit 4	0.00	1.62	0	0	0
Unit 5	9.06	127.10	425	280	400
Total	19.79	353.13			860
Nasik					
Unit 3	4.09	94.07	190	162	195
Unit 4	4.04	86.57	173	160	180
Unit 5	4.09	82.94	190	158	195
Total	12.22	263.58			570
Uran					
All Units	9.69	218.45	419	377	390
Total	9.69	218.45			390
PENCH (MS)					
Pench (MS)	0.16	5.12	26	0	
Total	0.16	5.12			
Koyna					
Stage 1-2	1.60	48.88	270	40	600
Stage 4	0.00	21.40	0	0	250
Stage 3	0.69	24.96	160	0	240
Kovna 12&4 Total	1.60	70.27			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.29	95.23			1090
Hydro					
KDPH	0.00	1.63	0	0	0
VTRNA	0.00	14.78	0	0	0
TILLARI	0.24	4.27	59	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.44	8.14	82	0	80
RNGR+BHTSA	0.00	2.82	0	0	0
BHANDARDRA	0.65	2.67	27	27	28
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.06	4.02	3	2	0
GHATGHAR	1.17	26.56	250	0	0
Total	2.56	64.89			168
Wind					
MalharPeth	0.75	16.92			
Vankuswadi	1.43	32.20			
ATIT	0.18	4.39			
Kale	0.55	11.77			
Satara	6.35	126.75			
Shirala	0.48	10.81			
K Mahankal	0.09	2.29			
Supa	0.28	5.25			
Vita	2.92	62.73			
Dondaicha	6.80	97.22			
Sakri	0.83	13.66			
Nandurbar	0.70	9.62			
Khandke	0.96	20.47			
Khaparale	0.88	14.56			
Total	23.21	428.64			
CPP					
JSW JAIGAD	18.73	545.39	825	728	1034
WARDHA	7.94	183.24	338	324	340
Adani	26.88	501.91	1230	860	1234
Other CPPs	6.36	237.22			
Total	59.91	1467.76			2608
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	192.01	0	0	0
Trombay 6	3.58	101.04	150	148	500
Trombay 7A	2.87	66.07	124	104	120
Trombay 7B	1.61	36.85	69	62	60
Trombay 8	4.94	122.23	253	182	250
TATA Hydro	4.97	111.42	423	72	447
Total	17.98	629.62			1377
REL					
1&2	10.99	261.31	525	399	500
Total	10.99	261.31			500
Cent Sect					
Share					4344
Total					4344

MS PG CL	Thermal	83.03	1978.20			3900
	Thml+Gas	92.72	2196.65			4290
	Hydro	4.85	160.12			1258
	Total	97.57	2356.77			5548
State Total		209.82	4674.18			14377

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/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	3519	69	397	3985	1108	2652	4104	3843	-577	-855	10743	105	10848	2000	12848	49.92
2	3466	69	401	3936	1043	2503	4020	3965	-514	-801	10656	88	10744	1816	12560	49.99
3	3456	69	403	3928	1111	2427	3999	3791	-499	-717	10566	88	10654	1717	12371	50.02
4	3499	79	404	3982	1054	2439	3999	3612	-499	-656	10441	88	10529	1658	12187	50.05
5	3518	74	405	3997	1013	2266	3999	4087	-503	-633	10730	88	10818	1643	12461	49.94
6	3463	144	419	4026	1154	2170	4011	4367	-502	-657	11063	162	11225	1700	12925	50.06
7	3371	74	415	3860	1145	2178	4009	4194	-499	-618	10785	366	11151	1693	12844	50.20
8	3438	117	414	3969	929	2174	4010	4514	-504	-664	10929	404	11333	1759	13092	50.16
9	3343	253	407	4003	1060	2503	4129	4146	-509	-572	11140	420	11560	1844	13404	50.10
10	3399	288	405	4092	963	2645	4307	4414	-656	-725	11389	364	11753	2004	13757	50.03
11	3426	270	397	4093	1010	2658	4336	4413	-683	-764	11410	326	11736	2140	13876	50.12
12	3411	139	408	3958	1032	2646	4347	4470	-683	-807	11299	407	11706	2164	13870	50.04
13	3433	108	401	3942	939	2645	4354	4177	-676	-845	10858	493	11351	2118	13469	50.00
14	3467	70	406	3943	963	2650	4330	4233	-651	-868	10921	342	11263	2031	13294	50.01
15	3427	80	406	3913	992	2652	4305	4238	-610	-799	10996	216	11212	2001	13213	50.00
16	3422	75	408	3905	1056	2641	4291	4268	-610	-754	11116	157	11273	1976	13249	50.08
17	3509	70	411	3990	1102	2564	4230	3996	-600	-807	10845	163	11008	1963	12971	50.14
18	3447	70	417	3934	1021	2360	4134	4093	-600	-913	10495	170	10665	1942	12607	50.25
19	3427	80	403	3910	936	2282	4077	4384	-595	-885	10627	159	10786	1995	12781	50.12
20	3480	643	395	4518	734	2518	4235	4430	-612	-814	11386	222	11608	2134	13742	49.92
21	3548	705	377	4630	698	2576	4256	4280	-577	-714	11496	192	11688	2230	13918	49.89
22	3557	591	386	4534	663	2591	4270	4303	-602	-742	11359	147	11506	2218	13724	49.99
23	3503	422	404	4329	701	2588	4274	4283	-616	-759	11168	115	11283	2227	13510	49.97
24	3497	290	404	4191	780	2580	4230	4220	-587	-709	11072	97	11169	2077	13246	50.00
MUs	83.03	4.85	9.69	97.57	23.21	59.91	100.26	100.72	-13.97	-18.08	263.49	5.38	268.87	47.05	315.92	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 23/Jun/2013

Position as on 6.30 Hrs of 24/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.	
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.	
Khaparkheda Unit 4	210	01/06/2013	12.31		Continued.	Annual Overhaul	26/06/2013
Chandrapur Unit 4	210	15/06/2013	13.33		Continued.	Annual Overhaul	
Koyna ST - IV 4	250	17/06/2013	08.40		Continued.	Sphercial valve servomotor oil and water leakages.	
FORCED OUTAGE							
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
CPP VIPL	300	19/03/2013	15.50		Continued.	Withdrawn Due to Water Shortage, No PPA.	
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	
Koradi Unit 5	200	10/06/2013	02.52		Continued.	Furnace Pressure High	
CPP WPCL U-4	135	12/06/2013	03.27		Continued.	Turbine Balancing.	
Bhusawal Unit 2	210	15/06/2013	23.07		Continued.	Bottom Ash Hopper leakage	
Bhusawal Unit 5	500	16/06/2013	09.06	23/06/2013	11.49	Stator E/F	
CPP JSW (J) U2	300	17/06/2013	00.03		Continued.	Withdrawn	
CPP VIPL	300	20/06/2013	03.30		Continued.	CHP Problem.	
Tata Trombay 5	500	21/06/2013	00.45		Continued.	E/O, attending hydorgen leakages (4 days).	
Uran Unit 8	108	21/06/2013	10.15		Continued.	Gas Shortage.	
Koradi Unit 6	210	21/06/2013	11.00		Continued.	Bunkering problem.	
CPP INDIABULLS	270	23/06/2013	05.23		Continued.	Oil shortage	
Koyna ST-IV 1	250	23/06/2013	08.00		Continued.	Installation of UPS system	
Koyna ST-IV 2	250	23/06/2013	08.00		Continued.	Installation of UPS system	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 23/Jun/2013

Position as on 6.30 Hrs of 24/Jun/2013

Name of Generating Unit	Capacity	Tripped Date	Trippe d Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Koyna ST - IV 3	250	23/06/2013	08.00		Continued.	Installation of UPS system	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jun/2013

Position as on 6.30 Hrs of 24/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
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
Dabhol - NewKoyna - II	22/06/2013	11.54		Continued.	To attend Breaker Timing problem
Dhule-Sar'Sarovar - I	22/06/2013	23.53	23/06/2013	16.15	Over Voltage
Parli (PGCIL)-Bhadravati-II	23/06/2013	16.17		Continued.	Over Voltage
Parly(PG)- Solapur(PG) - II	23/06/2013	16.35	23/06/2013	19.21	Over Voltage
Dhule - S'Sarovar- II	24/06/2013	00.54		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Satpur	14/06/2013	02.02		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	23/06/2013	18.01		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
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.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Vasai - Padgha	20/06/2013	09.05		Continued.	Raising the height of tower.
Kolshet-Vasai	20/06/2013	09.33		Continued.	Raising the height of tower.
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
Deepnagar-Aurangabad-II	16/06/2013	10.46		Continued.	Over Voltage
Lonikand- Koyna Stage IV	22/06/2013	03.53	23/06/2013	09.23	Over Voltage.
Khadka - Deepnagar - II	22/06/2013	09.46		Continued.	Over Voltage
Kolhapur-Karad -I	22/06/2013	21.20		Continued.	Over Voltage
Karad - Newkoyna - I	23/06/2013	16.36		Continued.	Over Voltage
Chandrapur - Parli - III	24/06/2013	00.50		Continued.	Over Voltage
Akola - Indiabull (Nandgaonpeth)	24/06/2013	03.33		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	23/06/2013	08.20	Hand tripped
Hinjewadi-II - Infosys	15/06/2013	16.02		Continued.	New D/C line with Bays and 1 number

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jun/2013

Position as on 6.30 Hrs of 24/Jun/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
					T/F Bay at Infosys
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.
Karad - Kolhapur - II	21/06/2013	21.23		Continued.	Over Voltage.
Karad-Jaigad I	23/06/2013	03.02		Continued.	Over Voltage
Jejuri-Koyna STG-IV	23/06/2013	16.30		Continued.	Over Voltage
New Koyna - Dabhol - I	24/06/2013	01.27		Continued.	Over Voltage
Dabhol-Nagothane-II	24/06/2013	01.45	24/06/2013	05.54	Over Voltage
Lonikand- Koyna Stage IV	24/06/2013	02.54		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
220/132 KV 100 MVA ICT - I at Balapur	14/06/2013	06.28		Continued.	DC Earth Leakage.
Bus Section-III @ Nasik GCR	20/06/2013	02.49		Continued.	R-Ph Bus section III CT Burst.
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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/Jun/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	140
	620	140
Bhusawal		
Unit 2	210	0
Unit 3	210	160
Unit 4	500	140
Unit 5	500	0
	1420	300
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	180
Unit 4	210	0
Unit 5	500	250
Unit 6	500	235
Unit 7	500	250
	2340	1215
Paras		
Unit 3	250	210
Unit 4	250	210
	500	420
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	0
Unit 5	500	350
	1340	830
Nasik		
Unit 3	210	195
Unit 4	210	180
Unit 5	210	195
	630	570
Uran		
All Units	852	420
	852	420
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	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	28
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	168
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	735
WARDHA	405	340
Adani	1320	1234
Other CPPs	300	
	3225	2309
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4893
	3455	4893