



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/May/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 18/May/2013 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.334	2074.021	1) Gujrat	11.902	225.188
2) Hydro	13.353	269.755	2) Madhya Pradesh	14.358	348.309
3) Gas	8.183	152.416	3) Chattisgarh	8.700	164.120
Total MSGENCO	139.870	2496.192	4) Maharashtra	64.177	1171.354
B) 1) JSW JAIGAD	25.087	471.831	5) Goa	-6.455	-114.039
2) WPCL	7.752	139.773	6) TAPS 1&2 Injection	3.890	68.709
3) ADANI	0.000	225.850	7) RGPPL Injection	26.259	168.377
4) Other CPP / IPP	12.092	192.024	8) Pench (Excess)	-0.144	-3.177
5) Wind Generation	16.067	257.915	# Total Cent. Sector	122.687	2028.841
6) PENCH (MS)	0.144	3.177	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.267	-268.776
1) TPCL Thermal	26.587	487.706	G) Bilateral Power *		
2) TPCL Hydro	3.600	69.647	1) MSEDCL Bilateral	23.248	679.182
TOTAL TPCL	30.187	557.353	Include PX	-0.056	50.068
3) REL Thermal	12.510	223.631	2) MUMBAI Bilateral	15.247	285.006
D) STATE			Include PX	1.502	67.700
1) Thermal (A1+C1+C3)	157.431	2785.358	3) MUMBAI Schedule	15.247	285.006
2) Hydro (A2+B5+C2)	17.097	342.579	H) ENERGY CATERED (MUs)		
3) Gas (A3)	8.183	152.416	1) MSEDCL	309.432	5546.827
4) Wind (B4)	16.067	257.915	2) TPCL	36.567	680.046
5) CPP (B1+B2+B3)	44.931	803.628	3) REL	20.397	369.684
TOTAL STATE	243.709	4341.896	TOTAL STATE	366.396	6596.557

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4847	5024	4938
MSGENCO Hydro	1716	487	505
MSGENCO Gas	300	405	294
MSGENCO Total Generation	6863	5916	5737
Central Sector Receipt	5142	5249	4922
WIND	312	830	691
CPP / IPP	1983	2033	1666
Exchange with Mumbai	-611	-699	-351
MSEDCL DEMAND MET	13689	13329	12665
Load Shedding	580	446	198
MSEDCL DEMAND	14269	13775	12863
TPCL GENERATION	1557	1475	1061
R-INFRA GENERATION	521	519	521
TPCL+R-INFRA DEMAND	2689	2693	1933
STATE DEMAND MET	16378	16022	14598
STATE DEMAND	16958	16468	14796
Frequency (Hz)	49.99	50.09	50.17

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.61 Hz at 06.00 Hrs	49.66 Hz at 22.35 Hrs	50.07	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 18/May/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.86	45.70	150	45	130
Unit 6	3.46	53.84	162	135	150
Unit 7	3.32	66.25	155	105	145
Total	9.64	165.78			425
Bhusawal					
Unit 2	3.18	51.53	170	105	140
Unit 3	3.38	65.86	170	100	130
Unit 4	10.20	156.10	475	315	460
Unit 5	0.47	17.85	175	0	0
Total	17.23	291.34			730
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	3.77	67.14	161	152	160
Unit 2	3.97	62.43	170	162	160
Unit 3	4.74	82.92	202	185	200
Unit 4	4.46	74.95	189	177	190
Unit 5	10.01	182.38	450	380	440
Unit 6	10.04	173.28	445	360	440
Unit 7	7.70	130.20	390	139	375
Total	44.68	773.31			1965
Paras					
Unit 3	5.57	99.23	249	219	230
Unit 4	5.77	97.52	252	225	230
Total	11.34	196.75			460
Khaparkheda					
Unit 1	3.40	56.98	175	100	140
Unit 2	3.06	63.66	140	110	150
Unit 3	3.41	65.51	155	131	140
Unit 4	3.72	70.34	188	135	150
Unit 5	8.38	161.32	398	301	325
Total	21.98	417.81			905
Nasik					
Unit 3	4.62	76.28	195	185	190
Unit 4	4.25	73.30	180	171	180
Unit 5	4.60	79.46	196	181	195
Total	13.46	229.03			565
Uran					
All Units	8.18	152.42	410	292	300
Total	8.18	152.42			300
PENCH (MS)					
Pench (MS)	0.14	3.18	26	0	
Total	0.14	3.18			
Koyna					
Stage 1-2	3.78	74.84	485	40	600
Stage 4	4.50	97.59	754	0	250
Stage 3	1.76	38.13	160	0	240
Kovna 12&4 Total	8.28	172.43			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	10.04	210.56			1090
Hydro					
KDPH	0.78	12.66	33	32	34
VTRNA	0.00	12.89	0	0	61
TILLARI	0.35	6.17	60	0	60
BHTGR/VEER	0.00	0.36	0	0	0
BHIRA T.R.	0.20	3.72	78	0	43
RNGR+BHTSA	0.29	4.95	12	12	12
BHANDARDRA	0.00	3.36	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.50	8.98	21	21	0
GHATGHAR	1.20	6.11	240	0	0
Total	3.32	59.20			210
Wind					
MalharPeth	0.45	8.84			
Vankuswadi	0.69	12.81			
ATIT	0.08	6.85			
Kale	0.25	5.98			
Satara	2.10	16.18			
Shirala	0.22	6.02			
K Mahankal	0.03	12.47			
Supa	0.08	2.09			
Vita	0.88	18.64			
Dondaicha	8.24	117.06			
Sakri	1.06	14.93			
Nandurbar	0.92	12.53			
Khandke	0.40	10.77			
Khaparale	0.67	12.72			
Total	16.07	257.92			
CPP					
JSW JAIGAD	25.09	471.83	1195	864	822
WARDHA	7.75	139.77	327	320	325
Adani	0.00	225.85	0	0	0
Other CPPs	12.09	192.02			220
Total	44.93	1029.48			1367
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.89	205.85	502	475	500
Trombay 6	4.30	93.19	247	149	500
Trombay 7A	2.80	52.74	125	99	120
Trombay 7B	1.56	28.89	69	59	60
Trombay 8	6.03	107.04	253	249	250
TATA Hydro	3.60	69.65	411	0	447
Total	30.19	557.35			1877
REL					
1&2	12.51	223.63	525	516	500
Total	12.51	223.63			500
Cent Sect					
Share					5100
Total					5100

MS PG CL	Thermal	118.33	2074.02			5050
	Thml+Gas	126.52	2226.44			5350
	Hydro	13.35	269.76			1300
	Total	139.87	2496.19			6650
State Total		243.71	4341.90			15494

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/May/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	4851	1080	293	6224	747	1663	5101	5332	-737	-717	13272	114	13386	2349	15735	50.02
2	4869	804	292	5965	715	1646	5012	5209	-647	-572	12986	167	13153	2146	15299	50.02
3	4926	670	292	5888	737	1667	4722	4951	-562	-449	12807	183	12990	2007	14997	50.10
4	4938	505	294	5737	691	1666	4659	4922	-519	-351	12665	198	12863	1933	14796	50.17
5	4903	275	312	5490	775	1658	4649	5111	-507	-309	12725	235	12960	1868	14828	50.11
6	4884	285	312	5481	699	1668	4647	5211	-507	-306	12753	369	13122	1886	15008	50.14
7	4801	160	313	5274	683	1618	4622	4909	-509	-243	12241	764	13005	1837	14842	50.29
8	4839	105	313	5257	550	1642	4622	5132	-509	-287	12294	751	13045	1896	14941	50.21
9	4890	295	308	5493	516	1720	4621	5175	-515	-411	12493	719	13212	2075	15287	50.05
10	4863	1226	304	6393	321	1811	4919	5471	-582	-586	13410	542	13952	2409	16361	50.08
11	4847	1716	300	6863	312	1983	5026	5142	-671	-611	13689	580	14269	2689	16958	49.99
12	4797	1425	300	6522	426	2032	5108	5073	-754	-684	13369	670	14039	2783	16822	49.99
13	4848	866	300	6014	497	1975	5097	5164	-748	-723	12927	798	13725	2781	16506	50.06
14	4933	473	300	5706	547	2030	5078	5301	-730	-702	12882	687	13569	2697	16266	50.01
15	4957	629	308	5894	691	2051	5053	5318	-738	-718	13260	533	13793	2735	16528	49.96
16	4963	974	410	6347	592	2046	5010	5333	-751	-743	13575	465	14040	2740	16780	50.05
17	5024	487	405	5916	830	2033	5026	5249	-738	-699	13329	446	13775	2693	16468	50.09
18	5044	142	408	5594	875	1952	4665	4393	-579	-891	11926	629	12555	2580	15135	50.27
19	5056	111	407	5574	1080	2000	4684	4250	-555	-837	12092	488	12580	2470	15050	50.17
20	5020	240	409	5669	762	2042	5152	5036	-619	-731	12804	521	13325	2549	15874	49.96
21	5066	187	405	5658	846	2039	5219	5014	-658	-747	12817	331	13148	2549	15697	50.01
22	5132	106	400	5638	760	1994	5255	5067	-637	-672	12787	185	12972	2504	15476	50.09
23	4974	181	399	5554	710	2001	5233	5338	-706	-617	12986	131	13117	2419	15536	49.93
24	4909	411	399	5719	705	1994	5231	5556	-769	-661	13313	114	13427	2369	15796	49.93
MUs	118.33	13.35	8.18	139.87	16.07	44.93	118.41	122.66	-15.25	-14.27	309.40	10.62	320.02	56.96	376.99	50.07

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 18/May/2013

Position as on 6.30 Hrs of 19/May/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.	
Cent_Sect TARAPUR-3	540	30/03/2013	22.30		Continued.	AOH.	
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.	
Uran Unit 7	108	28/04/2013	22.54	18/05/2013	14.46	Boiler Duct Renovation.	
Dabhol 1A	230	05/05/2013	09.42		Continued.	Gas Shortage.	
Uran Unit B0	120	07/05/2013	00.06	19/05/2013	11.15	C T & P T Replacement Work.	
Uran Unit 8	108	07/05/2013	00.15		Continued.	Turbine Blade & Mixing Chamber Work Upto 20.5.13.	
Dabhol 2X	290	11/05/2013	04.28		Continued.	Gas Shortage	
Dabhol 2A	230	11/05/2013	04.30		Continued.	Gas Shortage	
CPP WPCL U-3	135	11/05/2013	11.25		Continued.	Maintenance Problem.	
Koyna ST-IV 1	250	13/05/2013	09.21		Continued.	Shaft Temp. Very High.	
CPP JSW (J) U1	300	15/05/2013	18.51	18/05/2013	09.06	Condenser Tube Leakage.	
CPP Adani U1	660	17/05/2013	17.38		Continued.	Water Shortage	
Bhusawal Unit 5	500	17/05/2013	18.17	18/05/2013	17.26	Flame Failure	
Bhusawal Unit 5	500	18/05/2013	18.42	18/05/2013	19.53	Turbine Protection operated	
Chandrapur Unit 7	500	18/05/2013	23.13	19/05/2013	12.28	Reheater Problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 18/May/2013

Position as on 6.30 Hrs of 19/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Boiser	13/04/2013	10.33		Continued.	Mumbai Stengthening Work & Now Line Tarapur-Ghodbunder.(one month)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	16/05/2013	10.46		Continued.	H/T to control Wardha(PG)-Parli load.
Dhule-Sar'Sarovar - I	16/05/2013	23.01		Continued.	Over Voltage.
Kolhapur - Mapusa - I	17/05/2013	17.43	18/05/2013	10.37	Over Voltage
Wardha - Akola - I	17/05/2013	20.20	18/05/2013	07.39	Over Voltage
Kolhapur - Mapusa - II	18/05/2013	17.22	19/05/2013	09.36	Over Voltage
Kolhapur - Mapusa - I	19/05/2013	16.35		Continued.	Over Voltage
Akola - Aurangabad - I	19/05/2013	18.41		Continued.	Heavy Sparking on R Phase Bus-I Isolator Taken on TBC
Wardha - Akola - I	19/05/2013	21.41		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Warora - Tiroda - II	14/05/2013	16.53		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Bhoisor-Bhoisor(PGCIL)-I	18/05/2013	19.20	18/05/2013	19.32	Tripped
Nasik-Navsari-I	19/05/2013	08.56	19/05/2013	09.22	Distance Protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50MVAR Line Reactor on Bhusawal- Akola at BSL End	04/05/2013	12.05		Continued.	Overhauling of Line Reactor upto 21-5-2013
Babaleshwar - Bhusawal	16/05/2013	09.47		Continued.	For diversion of existing 400KV BSL-BBLR from L.No.36 to 42.Outage for 8 days.
400/220KV 500MVA ICT-III at Bableswhar	18/05/2013	08.36	18/05/2013	19.55	Painting/Coating of Tertiary IPS Tubes
Koradi - Bhusawal	18/05/2013	14.45	18/05/2013	19.26	Disc String replacement work
400/220KV 500MVA ICT- I at Khaperkheda	19/05/2013	07.36	19/05/2013	18.25	Rewiring of Aux.Control Panel
400/220KV 500 MVA ICT I at Kalwa	19/05/2013	09.55	19/05/2013	11.20	Hot Spot
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	10.09		Continued.	Mumbai Strengthening Work.
Pophali - Pedambe - II	18/05/2013	08.15	18/05/2013	14.40	R.M.Work
Talangade - Mumewadi	18/05/2013	08.24	18/05/2013	18.22	Cold line washing of Insulator
Borivali-Ghodbandar	18/05/2013	08.51	18/05/2013	12.51	Cable Sheath Testing
Nasik-Raymond	18/05/2013	09.21	18/05/2013	13.29	Bay Maintenance
220/100KV 200MVA T/F - I at Apta	18/05/2013	11.20	18/05/2013	18.32	Leakage of Netural CT
220/132 KV 200 MVA ICT-IV @ Nasik OCR	18/05/2013	13.38	18/05/2013	16.40	Tan Delta Measurement
Warora - RLY TSS CKT - I	18/05/2013	13.55	18/05/2013	17.00	Hot Spot
220/132 KV 200 MVA ICT - II @ Raymand	18/05/2013	14.12	18/05/2013	17.34	Tan Delta Measurement
Kalwa - Salshet - III	19/05/2013	08.18	19/05/2013	17.49	CT Tan Delta and Bay Maintenance
Dahanu - Ghodbandar - I	19/05/2013	10.01	19/05/2013	11.59	Repl.of Y Phase Vibration Damper

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 18/May/2013

Position as on 6.30 Hrs of 19/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Dahanu-Ghodbandar-II	19/05/2013	12.07	19/05/2013	14.27	Repl.of Y Phase Vibration Damper
Kandalgaon-Bhira	19/05/2013	15.20	19/05/2013	18.40	Hot Spot
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.
400/220KV 500MVA ICT-II at Warora	07/02/2013	17.57		Continued.	Hand Tripped.
Bhusawal - Deepnagar - I	05/04/2013	09.26		Continued.	Over Voltage.
Bhusawal- Aurangabad	17/05/2013	22.24		Continued.	Over Voltage
Karad - Kolhapur - II	19/05/2013	17.52		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	12/04/2013	17.57		Continued.	To Control Over Loading of 220KV Paras-Chikhali.
Phursungi - Theur	14/05/2013	08.09		Continued.	After completion of outage on Theur-Phursungi
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.
Warora- Tirora -II	25/04/2013	16.53		Continued.	Distance protection.
Warora - Wardha (PG) - II	19/05/2013	15.50	19/05/2013	17.06	Distance Protection
Voltage Level : 220KV			Outage Type TRIPPED		
Usmanabad-Paranda	25/04/2013	16.36		Continued.	Distance protection(4 Nos of Tower Collapsed)
Paranda-Barshi	25/04/2013	17.39		Continued.	Distance protection(Ckt Under Breakdown)
Kandalgaon - Sona Alloy	18/05/2013	03.18	18/05/2013	03.54	Distance Protection
Trombay - Tifil	18/05/2013	10.37	18/05/2013	10.46	Distance Protection
Girwali - Parbhani	18/05/2013	18.32	19/05/2013	05.01	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Sawangi-Harsool	17/05/2013	17.18	18/05/2013	03.10	Distance Protection
Ambazari-Arvi	18/05/2013	13.05	18/05/2013	13.15	Distance Protection
Bhusawal - Nimbhora	18/05/2013	14.05	18/05/2013	14.18	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 19/May/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	140
Unit 7	210	150
	620	410
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	500	430
Unit 5	500	
	1420	750
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	165
Unit 2	210	165
Unit 3	210	200
Unit 4	210	190
Unit 5	500	425
Unit 6	500	450
Unit 7	500	0
	2340	1595
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	150
Unit 4	210	150
Unit 5	500	425
	1340	1025
Nasik		
Unit 3	210	190
Unit 4	210	180
Unit 5	210	195
	630	565
Uran		
All Units	852	440
	852	440
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	34
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	43
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	
GHATGHAR	250	
	611	149
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	1100
WARDHA	405	325
Adani	1320	
Other CPPs	300	220
	3225	1645
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	5191
	3455	5191