



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

State Load Dispatch Center, Airoli

Daily system Report

for

31/May/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 31/May/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.333	3565.937	1) Gujrat	7.496	358.039
2) Hydro	14.715	418.757	2) Madhya Pradesh	17.833	566.440
3) Gas	7.060	270.794	3) Chattisgarh	9.040	285.070
Total MSGENCO	138.108	4255.488	4) Maharashtra	70.247	2008.974
B) 1) JSW JAIGAD	22.933	805.358	5) Goa	-5.612	-189.604
2) WPCL	7.697	240.197	6) TAPS 1&2 Injection	3.920	118.499
3) ADANI	8.710	354.820	7) RGPPL Injection	11.616	407.807
4) Other CPP / IPP	11.787	350.696	8) Pench (Excess)	-0.238	-5.687
5) Wind Generation	20.852	550.744	# Total Cent. Sector	114.302	3549.538
6) PENCH (MS)	0.238	5.687	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-21.228	-523.121
1) TPCL Thermal	25.201	822.529	G) Bilateral Power *		
2) TPCL Hydro	5.992	124.575	1) MSEDCL Bilateral	29.252	1092.540
TOTAL TPCL	31.193	947.104	Include PX	0.000	49.960
3) REL Thermal	11.349	365.368	2) MUMBAI Bilateral	17.290	510.686
D) STATE			Include PX	4.323	119.916
1) Thermal (A1+C1+C3)	152.883	4753.834	3) MUMBAI Schedule	17.290	512.328
2) Hydro (A2+B5+C2)	20.945	549.019	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.060	270.794	1) MSEDCL	303.399	9589.407
4) Wind (B4)	20.852	550.744	2) TPCL	41.769	1188.596
5) CPP (B1+B2+B3)	51.127	1404.961	3) REL	22.005	646.958
TOTAL STATE	252.867	7529.352	TOTAL STATE	367.173	11424.961

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	4959	4840	4852
MSGENCO Hydro	886	492	253
MSGENCO Gas	295	290	295
MSGENCO Total Generation	6140	5622	5400
Central Sector Receipt	4957	4846	4609
WIND	621	675	1100
CPP / IPP	2592	2391	1853
Exchange with Mumbai	-1038	-1063	-675
MSEDCL DEMAND MET	13285	12471	12287
Load Shedding	59	59	59
MSEDCL DEMAND	13344	12530	12346
TPCL GENERATION	1485	1548	999
R-INFRA GENERATION	524	524	397
TPCL+R-INFRA DEMAND	3047	3135	2071
STATE DEMAND MET	16332	15606	14358
STATE DEMAND	16391	15665	14417
Frequency (Hz)	50.11	49.96	50.32

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.6 Hz at 06.04 Hrs	49.59 Hz at 19.08 Hrs	50.11	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 31/May/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.03	86.95	144	88	139
Unit 6	2.78	76.47	148	70	136
Unit 7	2.95	109.00	145	90	145
Total	8.76	272.42			420
Bhusawal					
Unit 2	3.50	89.83	160	130	150
Unit 3	3.12	112.51	140	120	140
Unit 4	4.88	245.76	225	195	200
Unit 5	8.92	81.01	445	310	
Total	20.40	529.11			490
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	3.69	115.31	160	144	165
Unit 2	3.68	112.21	162	148	165
Unit 3	4.44	141.91	200	160	180
Unit 4	3.81	125.46	174	132	160
Unit 5	9.24	313.39	430	305	375
Unit 6	10.07	301.76	445	335	440
Unit 7	8.76	233.40	385	330	380
Total	43.68	1343.44			1865
Paras					
Unit 3	5.55	173.81	246	220	230
Unit 4	5.49	171.83	243	211	230
Total	11.04	345.65			460
Khaparkheda					
Unit 1	3.02	98.10	145	90	150
Unit 2	3.74	94.70	165	140	170
Unit 3	3.93	112.66	174	140	160
Unit 4	3.94	116.54	186	142	160
Unit 5	6.54	260.23	306	205	300
Total	21.17	682.24			940
Nasik					
Unit 3	4.09	131.84	195	160	195
Unit 4	3.98	126.99	180	161	180
Unit 5	3.22	134.26	183	0	195
Total	11.28	393.08			570
Uran					
All Units	7.06	270.79	297	290	290
Total	7.06	270.79			290
PENCH (MS)					
Pench (MS)	0.24	5.69	26	0	
Total	0.24	5.69			
Koyna					
Stage 1-2	3.93	115.08	455	40	520
Stage 4	5.63	144.32	739	0	250
Stage 3	2.13	57.35	160	0	240
Kovna 12&4 Total	9.56	259.39			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.69	316.74			1010
Hydro					
KDPH	0.37	21.59	16	15	30
VTRNA	0.79	16.81	61	0	61
TILLARI	0.29	10.67	59	0	60
BHTGR/VEER	0.00	0.36	0	0	0
BHIRA T.R.	0.22	6.38	80	0	80
RNGR+BHTSA	0.24	8.23	11	10	10
BHANDARDRA	0.22	4.22	9	9	9
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.41	14.70	18	17	0
GHATGHAR	0.48	19.04	220	0	0
Total	3.02	102.01			250
Wind					
MalharPeth	0.64	18.13			
Vankuswadi	1.06	29.23			
ATIT	0.15	8.97			
Kale	0.42	12.19			
Satara	3.91	73.34			
Shirala	0.44	11.49			
K Mahankal	0.05	14.77			
Supa	0.23	5.23			
Vita	1.46	45.68			
Dondaicha	8.76	227.64			
Sakri	0.95	29.08			
Nandurbar	1.09	24.89			
Khandke	0.72	23.49			
Khaparale	0.97	26.63			
Total	20.85	550.74			
CPP					
JSW JAIGAD	22.93	805.36	985	942	859
WARDHA	7.70	240.20	323	318	320
Adani	8.71	354.82	610	0	617
Other CPPs	11.79	350.70			184
Total	51.13	1751.07			1980
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.26	354.27	503	314	500
Trombay 6	3.73	151.20	178	147	500
Trombay 7A	2.69	87.42	124	68	120
Trombay 7B	1.54	48.89	68	51	60
Trombay 8	5.98	180.74	254	211	250
TATA Hydro	5.99	124.58	471	0	447
Total	31.19	947.10			1877
REL					
1&2	11.35	365.37	525	397	500
Total	11.35	365.37			500
Cent Sect					
Share					4804
Total					4804

MS PG CL	Thermal	116.33	3565.94			4745
	Thml+Gas	123.39	3836.73			5035
	Hydro	14.72	418.76			1260
	Total	138.11	4255.49			6295
State Total		252.87	7529.35			15456

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/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	5108	916	293	6317	1144	1702	4427	4680	-824	-888	12981	89	13070	2554	15624	50.21
2	4947	821	295	6063	1121	1786	4398	4645	-702	-901	12717	59	12776	2342	15118	50.26
3	4964	521	295	5780	1046	1818	4507	4600	-628	-790	12454	59	12513	2186	14699	50.25
4	4852	253	295	5400	1100	1853	4489	4609	-561	-675	12287	59	12346	2071	14417	50.32
5	4901	126	292	5319	1074	2013	4530	4539	-520	-549	12396	59	12455	2009	14464	50.23
6	4902	91	294	5287	970	2035	4515	4953	-487	-530	12715	59	12774	2016	14790	50.14
7	4969	91	294	5354	831	2126	4505	4940	-481	-480	12771	59	12830	1973	14803	50.25
8	4933	116	293	5342	892	2280	4504	4955	-483	-607	12862	59	12921	2086	15007	50.25
9	5009	202	296	5507	855	2351	4588	4868	-551	-667	12914	59	12973	2379	15352	50.19
10	4988	634	296	5918	673	2392	4776	4924	-733	-983	12924	59	12983	2823	15806	50.08
11	4959	886	295	6140	621	2592	4956	4957	-844	-1038	13285	59	13344	3047	16391	50.11
12	5015	973	297	6285	681	2444	4969	4636	-915	-1112	12960	59	13019	3143	16162	50.06
13	4975	500	296	5771	556	2465	4966	5048	-952	-1100	12765	118	12883	3141	16024	50.05
14	4991	410	295	5696	560	2466	4916	5080	-902	-1014	12814	59	12873	3073	15946	50.06
15	5043	775	296	6114	581	2445	4825	4973	-925	-1044	13072	59	13131	3142	16273	50.00
16	4960	947	297	6204	680	2410	4760	5018	-972	-1054	13258	59	13317	3153	16470	50.02
17	4840	492	290	5622	675	2391	4750	4846	-917	-1063	12471	59	12530	3135	15665	49.96
18	4752	240	293	5285	840	2336	4058	4026	-644	-1048	11439	59	11498	3021	14519	50.08
19	4683	153	294	5130	1237	2354	3999	3904	-576	-1249	11376	59	11435	2808	14243	50.19
20	4588	950	294	5832	1036	1862	4282	4608	-607	-988	12362	59	12421	2818	15239	49.89
21	4500	1128	292	5920	1013	1759	4473	4784	-670	-823	12679	59	12738	2805	15543	49.89
22	4504	960	291	5755	917	1748	4666	4810	-685	-743	12513	59	12572	2689	15261	50.04
23	4508	1122	293	5923	954	1733	4696	4992	-810	-877	12751	59	12810	2681	15491	50.01
24	4442	1408	294	6144	795	1766	4689	4907	-900	-1005	12633	59	12692	2675	15367	50.09
MUs	116.3 3	14.72	7.06	138.11	20.85	51.13	110.24	114.30	-17.29	-21.23	303.40	1.50	304.90	63.77	368.67	50.11

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 31/May/2013

Position as on 6.30 Hrs of 01/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.	
Cent_Sect TARAPUR-3	540	30/03/2013	22.30		Continued.	AOH.	
Uran Unit 8	108	07/05/2013	00.15		Continued.	Turbine Blade & Mixing Chamber Work	
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 2A	230	11/05/2013	04.30		Continued.	Gas Shortage	
Koyna Unit 8	80	23/05/2013	15.30		Continued.	Bearing temp.high.	12/06/2013
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.	
CPP Adani U1	660	30/05/2013	17.36	31/05/2013	00.52	Tripped	
CPP Adani U-3	660	30/05/2013	17.36		Continued.	Tripped	
Uran Unit 6	108	30/05/2013	22.26		Continued.	Gas Shortage	
CPP Adani U1	660	31/05/2013	19.08	31/05/2013	23.50	Tripped	
Nasik Unit 5	210	31/05/2013	20.00		Continued.	Economiser Tube Leakage	
Khaparkheda Unit 5	500	01/06/2013	05.35		Continued.	Tripped	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/May/2013

Position as on 6.30 Hrs of 01/Jun/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik - Navsari - II	31/05/2013	08.40	31/05/2013	18.16	Cold washing of Insulator
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	27/05/2013	13.00		Continued.	Over Voltage.
Kolhapur-Mapusa-II	28/05/2013	16.46		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	30/05/2013	21.49	31/05/2013	09.12	Over Voltage
Kolhapur-Solapur (PG) II	31/05/2013	17.52		Continued.	Over Voltage
Dhule-S'Sarovar I	31/05/2013	18.12		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha (PG) - Warora - I	30/05/2013	17.36	31/05/2013	11.11	Over Voltage
Karad - Solapur (PGCIL)	30/05/2013	18.07	31/05/2013	10.31	Over Voltage
Warora - Tiroda - II	31/05/2013	19.08	31/05/2013	20.35	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Deepnagar-Aurangabad-I	30/05/2013	11.29	31/05/2013	15.05	Tan Delta Measurement,Ready for charing 18.20Hrs
400 KV Bus Coupler @ Kalwa	31/05/2013	06.01	31/05/2013	08.16	Hot Spot
400/220 KV 315 MVA ICT-II @ Kharghar	31/05/2013	07.11	31/05/2013	17.39	Testing work
New Koyna - Dabhol - I	31/05/2013	09.00		Continued.	Replacement of Y Phase CVT,Ready for charging 19.01Hrs
Akola - Bhusawal	31/05/2013	13.04		Continued.	Replacement of R phase CVT,Ready for charging at 21.20Hrs
Bablsr-Padgha Ckt I	31/05/2013	13.22	31/05/2013	20.00	Replacement of Flashover String
Khadka - Deepnagar - I	31/05/2013	15.05	31/05/2013	18.05	Tan Delta Measurement
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.
Bus Section - I at IPCL	30/05/2013	09.42	31/05/2013	00.25	Breaker and isolator O/H work
Kolshet - Kamba	31/05/2013	09.20	31/05/2013	12.19	Premansoon Maint.work
220/132 KV 200 MVA ICT - I @ Nasik OCR	31/05/2013	09.20	31/05/2013	12.47	Red Hot
Nagothane-IPCL	31/05/2013	10.04	31/05/2013	15.45	Insulator replacement
Talandge - Sawantwadi	31/05/2013	10.14	31/05/2013	17.09	Cold washing of Insulator
Pophali - Kandalgaon	31/05/2013	11.45	31/05/2013	15.00	Red Hot
220/100KV 200MVA ICT-III at Kalwa	31/05/2013	15.00	31/05/2013	17.14	Minor Leakage near Buchholz relay
Chandrapur MIDC-Gadhchandur-Matardevi	31/05/2013	15.13	31/05/2013	17.44	Hot spot
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 500 MVA ICT-II at Lamboti	30/05/2013	01.27		Continued.	To attend buchholz relay problem.
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 @	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/May/2013

Position as on 6.30 Hrs of 01/Jun/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal - II					
400/220KV 500MVA ICT-II at Warora	07/02/2013	17.57		Continued.	Hand Tripped.
Bhusawal- Aurangabad	27/05/2013	11.54	31/05/2013	09.58	Over Voltage.
Karad - Kolhapur - I	30/05/2013	17.10	31/05/2013	10.44	Over Voltage
Karad - Kolhapur - II	30/05/2013	18.18	31/05/2013	09.16	Over Voltage
Karad - Kolhapur - I	31/05/2013	17.25		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.
Wadkhal - Ndil - 2	31/05/2013	00.30	31/05/2013	02.15	Heavy chattering at Y Phase IPCL-I Bus Isolator Jaw
Wadkhal-NDIL-3	31/05/2013	00.35	31/05/2013	02.16	Heavy chattering at Y Phase IPCL-I Bus Isolator Jaw
Bus Section - I at Wadkhal	31/05/2013	00.45	31/05/2013	02.10	Heavy chattering at Y Phase IPCL-I Bus Isolator Jaw
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.
Khadka - Deepnagar - II	22/05/2013	22.49	31/05/2013	15.03	Bus bar protection operated due to R ph.CT bursting of GT-5 bay.(B ph.Bkr pole of Khadka Ckt.II burst.)RPC at 17.31 hrs. on 27.05.2013.
Warora-Tiroda-I	30/05/2013	17.36		Continued.	Distance Protection
Lonikand- Koyna Stage IV	31/05/2013	03.54	31/05/2013	08.23	Distance Protection
Lonikand- Koyna Stage IV	31/05/2013	15.25		Continued.	Distance Protection
Koradi - Bhusawal	31/05/2013	15.49	31/05/2013	16.53	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)
Boisor-Versova	29/05/2013	00.12	31/05/2013	04.20	Y ph.conductor snapped.Under break down.
Pophali - Karad	31/05/2013	16.45	31/05/2013	17.35	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Jun/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	110
Unit 6	210	120
Unit 7	210	90
	620	320
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	194
Unit 5	500	
	1420	474
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	400
Unit 6	500	400
Unit 7	500	370
	2340	1890
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	130
Unit 2	210	150
Unit 3	210	150
Unit 4	210	150
Unit 5	500	0
	1340	580
Nasik		
Unit 3	210	195
Unit 4	210	180
Unit 5	210	0
	630	375
Uran		
All Units	852	290
	852	290
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	16
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	10
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	236
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	1084
WARDHA	405	320
Adani	1320	617
Other CPPs	300	184
	3225	2205
Tata		
Trombay 4	150	0
Trombay 5	500	445
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1822
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4653
	3455	4653