



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

State Load Dispatch Center, Airoli

Daily system Report

for

31/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 31/May/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.854	3698.520	1) Gujrat	2.658	211.542
2) Hydro	11.418	426.948	2) Madhya Pradesh	18.811	628.311
3) Gas	13.600	390.524	3) Chattisgarh	9.280	275.180
Total MSGENCO	146.872	4515.992	4) Maharashtra Net	100.107	2761.385
B) 1) JSW JAIGAD	27.429	666.116	(Incl. 765kV Solapur-Raichur)	-1.251	-19.836
2) WPCL	2.412	82.934	5) Goa	-6.950	-216.597
3) ADANI	28.240	1213.560	6) TAPS 1&2 Injection	7.352	229.173
4) Other CPP / IPP	18.765	691.438	7) RGPPL Injection	0.000	0.000
5) Wind Generation	19.797	421.507	8) Pench (Excess)	-0.088	-5.833
6) PENCH (MS)	0.088	5.833			
7) SOLAR	1.014	31.657	# Total Cent. Sector	131.170	3883.161
C) 1) TPCL Thermal	19.650	580.469	F) Other Exchanges		
2) TPCL Hydro	4.249	132.683	1) With TPCL (Excess)	-25.374	-807.176
TOTAL TPCL	23.899	713.152	G) Bilateral Power *		
3) REL Thermal	12.490	380.031	1) MSEDCL Bilateral	24.179	843.461
D) STATE			Include PX	0.075	120.732
1) Thermal (A1+C1+C3)	153.994	4659.020	2) MUMBAI Bilateral	23.766	836.122
2) Hydro (A2+B6+C2)	15.755	565.464	Include PX	4.993	103.384
3) Gas (A3)	13.600	390.524	3) MUMBAI Schedule	26.041	842.705
4) Wind (B5)	19.797	421.507	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	76.846	2654.048	1) MSEDCL	350.413	10705.022
6) SOLAR (B7)	1.014	31.657	2) TPCL	39.159	1210.909
TOTAL STATE	281.006	8722.220	3) REL	22.604	689.417
			TOTAL STATE	412.176	12605.348

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5243	5592	4963
MSGENCO Hydro	882	632	81
MSGENCO Gas	572	572	567
MSGENCO Total Generation	6697	6796	5611
Central Sector Receipt	6234	6014	5277
WIND	573	621	899
CPP / IPP	3257	3297	3133
SOLAR	127	127	0
Exchange with Mumbai	-1319	-1293	-735
MSEDCL DEMAND MET	15569	15562	14185
Load Shedding	790	786	263
MSEDCL DEMAND	16359	16348	14448
TPCL GENERATION	1124	1110	831
R-INFRA GENERATION	521	522	522
TPCL+R-INFRA DEMAND	2964	2925	2088
STATE DEMAND MET	18533	18487	16273
STATE DEMAND	19323	19273	16536
Frequency (Hz)	49.94	49.91	50.06

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 07.58 Hrs	49.65 Hz at 15.40 Hrs	49.99	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/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.82	101.04	168	145	158
Unit 7	3.96	98.09	179	151	168
Total	7.78	199.14			326
Bhusawal					
Unit 2	3.22	90.24	160	125	140
Unit 3	3.18	83.09	155	120	140
Unit 4	8.10	260.01	500	300	315
Unit 5	7.95	213.83	410	305	325
Total	22.46	647.16			920
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	47.08	0	0	0
Unit 5	0.00	97.58	0	0	0
Unit 6	4.51	144.02	250	175	180
Unit 7	4.49	116.56	250	172	175
Total	9.00	405.24			355
Chandrapur					
Unit 1	3.34	101.41	143	136	150
Unit 2	2.03	101.02	162	0	165
Unit 3	4.10	51.76	180	159	170
Unit 4	4.60	136.70	205	164	190
Unit 5	10.21	222.21	453	400	450
Unit 6	6.71	274.89	345	210	275
Unit 7	7.17	260.38	364	234	300
Total	38.17	1148.36			1700
Paras					
Unit 3	4.45	126.18	201	174	200
Unit 4	5.34	148.22	235	206	200
Total	9.79	274.40			400
Khaparkheda					
Unit 1	3.80	109.48	185	135	180
Unit 2	0.00	80.92	0	0	0
Unit 3	4.17	105.26	190	167	210
Unit 4	4.12	108.82	187	165	210
Unit 5	8.67	263.71	465	335	500
Total	20.76	668.19			1100
Nasik					
Unit 3	4.52	124.74	195	160	190
Unit 4	4.68	128.74	199	190	200
Unit 5	4.70	102.54	202	188	200
Total	13.90	356.03			590
Uran					
All Units	13.60	390.52	594	429	600
Total	13.60	390.52			600
PENCH (MS)					
Pench (MS)	0.09	5.83	22	0	
Total	0.09	5.83			
Koyna					
Stage 1-2	4.16	106.80	500	40	600
Stage 4	1.20	132.00	439	0	250
Stage 3	1.79	54.46	314	0	320
Kovna 12&4 Total	5.36	238.80			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.15	293.26			1170
Hydro					
KDPH	0.16	8.61	11	0	18
VTRNA	0.64	35.05	61	0	61
TILLARI	0.19	14.01	60	0	0
BHTGR/VEER	0.00	1.37	0	0	0
BHIRA T.R.	0.29	8.44	40	0	40
RNGR+BHTSA	0.26	7.25	11	10	10
BHANDARDRA	0.00	9.59	0	0	0
ELDARY	0.00	2.96	0	0	0
SMLHY PTN	0.52	18.36	30	19	10
GHATGHAR	2.20	28.03	250	0	0
Total	4.27	133.68			139
Wind					
MalharPeth	0.43	7.35			
Vankuswadi	0.79	15.87			
ATIT	0.11	1.78			
Kale	0.19	4.31			
Satara	5.39	136.11			
Shirala	0.43	7.98			
K Mahankal	0.03	1.02			
Supa	0.16	4.34			
Vita	1.15	34.70			
Dondaicha	7.75	146.87			
Sakri	1.02	19.60			
Nandurbar	0.70	14.10			
Khandke	0.52	9.48			
Khaparale	1.13	17.99			
Total	19.80	421.51			
CPP					
JSW JAIGAD	27.43	666.12	1210	924	1100
WARDHA	2.41	82.93	103	95	105
Adani	28.24	1213.56	1232	994	1200
Other CPPs	18.76	691.44			665
Total	76.85	2654.05			3070
SOLAR					
Total	1.01	31.66			
Total	1.01	31.66			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.78	327.82	501	454	500
Trombay 6	3.72	121.29	156	154	500
Trombay 7A	2.61	82.99	124	79	120
Trombay 7B	1.53	48.36	69	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.25	132.68	462	0	447
Total	23.90	713.15			1627
REL					
1&2	12.49	380.03	522	518	500
Total	12.49	380.03			500
Cent Sect					
Share					6187
Total					6187
MS PG CL	Thermal	121.85	3698.52		5391
	Thml+Gas	135.45	4089.04		5991
	Hydro	11.42	426.95		1309
	Total	146.87	4515.99		7300
State Total		281.01	8722.22		18684

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/May/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4882	648	429	5959	1046	3211	0	4925	5432	-1086	-1149	14502	148	14650	2619	17269	49.93
2	4905	466	454	5825	1047	3235	0	5195	5276	-973	-1060	14323	231	14554	2419	16973	49.94
3	4925	132	515	5572	1070	3174	0	5209	5495	-846	-955	14356	247	14603	2277	16880	50.02
4	4941	81	568	5590	1002	3106	0	5243	5364	-763	-780	14282	254	14536	2145	16681	50.03
5	4963	81	567	5611	899	3133	0	5266	5277	-733	-735	14185	263	14448	2088	16536	50.06
6	4980	81	587	5648	883	3159	0	5457	5461	-928	-730	14421	399	14820	2084	16904	50.03
7	5010	86	585	5681	843	3189	8	5499	5383	-988	-678	14426	828	15254	2034	17288	50.11
8	4987	81	581	5649	633	3201	28	5496	5458	-996	-715	14254	866	15120	2078	17198	50.13
9	5076	191	576	5843	605	3135	61	5494	5967	-1026	-900	14711	752	15463	2289	17752	50.12
10	5075	452	571	6098	525	3208	101	5825	6400	-1074	-1113	15219	587	15806	2583	18389	50.01
11	5112	871	567	6550	478	3359	103	6094	6175	-1276	-1291	15374	645	16019	2915	18934	49.92
12	5243	882	572	6697	573	3257	127	6194	6234	-1325	-1319	15569	790	16359	2964	19323	49.94
13	5676	456	577	6709	495	3276	142	6061	6060	-1327	-1265	15417	924	16341	2962	19303	49.94
14	5592	632	572	6796	621	3297	127	5733	6014	-1308	-1293	15562	786	16348	2925	19273	49.91
15	5610	820	576	7006	688	3437	120	5437	5448	-1217	-1170	15529	618	16147	2956	19103	49.83
16	5108	1307	583	6998	714	3102	92	5511	5706	-1199	-1153	15459	513	15972	2963	18935	49.89
17	5005	1217	580	6802	982	3254	70	5235	5456	-1305	-1245	15319	530	15849	2905	18754	49.98
18	5008	225	590	5823	967	3293	30	4652	4718	-1132	-1265	13566	711	14277	2770	17047	50.16
19	4942	152	587	5681	1046	3163	5	4343	4328	-1107	-1173	13050	653	13703	2665	16368	50.07
20	4948	147	592	5687	976	3294	0	4955	5199	-1144	-1124	14052	745	14797	2723	17520	49.90
21	4973	187	594	5754	891	3209	0	5133	5509	-1176	-1036	14349	499	14848	2640	17488	49.93
22	4993	518	594	6105	910	3221	0	4722	4925	-1029	-987	14174	312	14486	2581	17067	49.98
23	4981	722	591	6294	941	3171	0	4782	4811	-1033	-1030	14209	222	14431	2568	16999	49.90
24	4919	983	592	6494	962	2762	0	4811	5074	-1049	-1208	14105	180	14285	2610	16895	49.97
MUs	121.85	11.42	13.60	146.87	19.80	76.85	1.01	127.27	131.17	-26.04	-25.37	350.41	12.70	363.12	61.76	424.88	49.99

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/2014

Position as on 6.30 Hrs of 01/Jun/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	Coal conservation	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
Khaparkheda Unit 2	210	25/05/2014	6.11	01/06/2014	4.09	flame failure	
Parli Unit 5	210	26/05/2014	22.34		Continued.	Coal Shortage.	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Uran Unit 6	108	29/05/2014	21.53	31/05/2014	01.30	Fire At By Pass Jumper Damper.	
CPP IPL U-1	270	30/05/2014	02:42	01/06/2014	18.40	Coal shortage	
Parli Unit 4	210	30/05/2014	17.45	01/06/2014	19.12	Coal Shortage	
CPP Adani U-2	660	30/05/2014	18.22		Continued.	Boiler Tube Leakage	
CPP VIPL U-2	300	01/06/2014	1.50		Continued.	BTL	
CPP IPL U-2	270	01/06/2014	10.42		Continued.	BLR T/L.	
CPP JSW (J) U3	300	01/06/2014	2.47		Continued.	Heater prv.broken	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/May/2014

Position as on 6.30 Hrs of 01/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik-Navsari-I	30/05/2014	10.09	31/05/2014	19.41	Maint.work
Tarapur - Boiser	31/05/2014	8.55	31/05/2014	22.03	maint.work
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765KV Akola II - Tiroda - I	31/05/2014	17.31	31/05/2014	23.36	over voltage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	30/05/2014	17.30	31/05/2014	9.17	Over Voltage
Kolhapur - Mapusa - I	31/05/2014	16.26	01/06/2014	09.55	over voltage
Dhule-Sar'Sarovar - I	31/05/2014	21.48	01/06/2014	07.47	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Chakan-Talegaon(PG)	01/06/2014	00.19	01/06/2014	5.21	Hot spot
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padghe-BBLSR-I	31/05/2014	15.35	31/05/2014	19.04	replacemnt of insulator string
New Koyna - Koyna Stage IV - II	31/05/2014	8.30	31/05/2014	17.35	attending ct oil leakage
Kalwa-Kharghar	31/05/2014	9.10	31/05/2014	17.37	demonstration of multifunctional testing kit
400/220 KV 500 MVA ICT-III @ Dhule	31/05/2014	9.28	31/05/2014	12.44	pre mansoon maint.work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalishaon - Malegaon	30/05/2014	06.20		Continued.	Bus outage at Malegaon.
Parli Extn. - Parli -1 @ Parli	30/05/2014	08.09		Continued.	Repl.of Bolted type Jumper CT& WT
Parly - Harangool - II	30/05/2014	17.55		Continued.	Hot Spot
220/100 KV 100 MVA ICT - I @ Vasai	31/05/2014	17.46	31/05/2014	18.36	R phase bushing leakage
Pedambe-Pophali I	31/05/2014	9.10	31/05/2014	10.45	ct oil top up
220 KV Interconnector @ Kalwa	01/06/2014	07.39	01/06/2014	11.33	CT Tan Delta & CB Timing.
220/100KV 200MVA ICT-III at Trombay	01/06/2014	10.04	01/06/2014	18.15	Hot Spot & R.M.Work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	30/05/2014	17.18	31/05/2014	7.18	over voltage
Bhusawal- Aurangabad	30/05/2014	17.56	31/05/2014	7.42	Over Voltage
Karad - Kolhapur - I	31/05/2014	17.10	01/06/2014	08.49	over voltage
Bhusawal- Aurangabad	31/05/2014	17.18	01/06/2014	09.25	over voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	28/04/2014	01.14		Continued.	To Control O/L of 220KV Paras-ChiKhli
Chikhali - Jalna - II	28/04/2014	01.14		Continued.	To control O/L of 220KV Paras-Chikhli
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	01/06/2014	16.00		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Hinganghat-Warora	01/06/2014	20.36	01/06/2014	21.26	Dist.Prot.
Vasai - Bhoisor (PGCIL)	01/06/2014	21.11	01/06/2014	03.37	Hot Spot.
Voltage Level : 132KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/May/2014

Position as on 6.30 Hrs of 01/Jun/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Nanded - Narsi	01/06/2014	12.39	01/06/2014	12.55	Dist.Prot.
Parbhani-Parthur	01/06/2014	14.47	01/06/2014	14.51	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Jun/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	152
Unit 7	210	167
	620	319
Bhusawal		
Unit 2	210	134
Unit 3	210	125
Unit 4	500	325
Unit 5	500	315
	1420	899
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	170
Unit 7	250	175
	1130	345
Chandrapur		
Unit 1	210	145
Unit 2	210	0
Unit 3	210	175
Unit 4	210	170
Unit 5	500	450
Unit 6	500	400
Unit 7	500	270
	2340	1610
Paras		
Unit 3	250	200
Unit 4	250	250
	500	450
Khaparkheda		
Unit 1	210	150
Unit 2	210	65
Unit 3	210	170
Unit 4	210	0
Unit 5	500	350
	1340	735
Nasik		
Unit 3	210	190
Unit 4	210	200
Unit 5	210	200
	630	590
Uran		
All Units	852	600
	852	600
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	139
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	825
WARDHA	405	100
Adani	2640	1200
Other CPPs	300	475
	4545	2600
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5587
	3455	5587