



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/May/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.668	2101.531	1) Gujrat	4.346	146.481
2) Hydro	10.550	201.446	2) Madhya Pradesh	20.941	358.072
3) Gas	13.853	214.409	3) Chattisgarh	8.940	145.820
Total MSGENCO	148.071	2517.386	4) Maharashtra Net	87.817	1462.816
B) 1) JSW JAIGAD	20.529	339.665	(Incl. 765kV Solapur-Raichur)	0.312	0.496
2) WPCL	2.766	46.393	5) Goa	-7.495	-119.636
3) ADANI	43.359	698.585	6) TAPS 1&2 Injection	7.664	125.990
4) Other CPP / IPP	19.683	364.731	7) RGPPL Injection	0.000	0.000
5) Wind Generation	10.005	202.083	8) Pench (Excess)	-0.093	-2.940
6) PENCH (MS)	0.093	2.940	# Total Cent. Sector	122.120	2116.603
7) SOLAR	0.782	17.142	F) Other Exchanges		
C) 1) TPCL Thermal	18.048	314.260	1) With TPCL (Excess)	-24.245	-441.537
2) TPCL Hydro	4.328	63.612	G) Bilateral Power *		
TOTAL TPCL	22.376	377.872	1) MSEDCL Bilateral	25.224	455.602
3) REL Thermal	12.494	206.545	Include PX	0.267	73.127
D) STATE			2) MUMBAI Bilateral	27.180	465.497
1) Thermal (A1+C1+C3)	154.210	2622.336	Include PX	1.998	52.340
2) Hydro (A2+B6+C2)	14.971	267.998	3) MUMBAI Schedule	27.180	465.497
3) Gas (A3)	13.853	214.409	H) ENERGY CATERED (MUs)		
4) Wind (B5)	10.005	202.083	1) MSEDCL	343.163	5863.991
5) CPP/IPP (B1+B2+B3+B4)	86.337	1449.374	2) TPCL	37.566	654.857
6) SOLAR (B7)	0.782	17.142	3) REL	21.548	371.082
TOTAL STATE	280.158	4773.342	TOTAL STATE	402.277	6889.930

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	5453	5868	4939
MSGENCO Hydro	1169	239	96
MSGENCO Gas	590	584	606
MSGENCO Total Generation	7212	6691	5641
Central Sector Receipt	5512	5538	4911
WIND	179	213	518
CPP / IPP	3675	3654	3525
SOLAR	74	118	0
Exchange with Mumbai	-1207	-1231	-620
MSEDCL DEMAND MET	15445	14983	13975
Load Shedding	629	680	193
MSEDCL DEMAND	16074	15663	14168
TPCL GENERATION	1150	1095	802
R-INFRA GENERATION	520	520	520
TPCL+R-INFRA DEMAND	2877	2846	1942
STATE DEMAND MET	18322	17829	15917
STATE DEMAND	18951	18509	16110
Frequency (Hz)	49.80	49.85	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 05.53 Hrs	49.47 Hz at 22.26 Hrs	49.9	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 17/May/2014

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)	
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)		
Koradi						Total	6.81	121.75			1170	
Unit 5	0.00	0.00	0	0	0	Hydro						
Unit 6	3.41	58.13	160	106	140	KDPH	0.29	4.76	13	12	18	
Unit 7	4.02	56.91	180	140	160	VTRNA	1.10	20.19	61	0	61	
Total	7.42	115.04			300	TILLARI	0.36	7.22	61	0	60	
Bhusawal						BHTGR/VEER	0.04	0.90	2	1	2	
Unit 2	3.29	55.34	155	125	125	BHIRA T.R.	0.29	3.97	40	0	40	
Unit 3	2.32	43.28	145	0	90	RNGR+BHTSA	0.00	3.48	0	0	0	
Unit 4	8.88	142.24	490	320	350	BHANDARDRA	0.36	9.50	15	14	12	
Unit 5	8.02	130.66	400	270	270	ELDARY	0.00	2.96	0	0	0	
Total	22.50	371.52			835	SMLHY_PTIN	0.75	10.70	39	29	9	
Parli						GHATGHAR	0.55	16.01	125	0	0	
Unit 3	0.00	0.00	0	0	0	Total	3.74	79.70			202	
Unit 4	0.00	23.40	0	0	0	Wind						
Unit 5	3.81	63.96	166	143	155	MalharPeth	0.19	3.10				
Unit 6	3.64	78.10	250	0	0	Vankuswadi	0.37	7.58				
Unit 7	3.88	53.54	250	0	185	ATIT	0.05	0.78				
Total	11.33	219.00			340	Kale	0.14	2.05				
Chandrapur						Satara	3.52	66.25				
Unit 1	3.10	56.40	138	123	150	Shirala	0.28	3.70				
Unit 2	3.64	64.79	162	143	160	K Mahankal	0.01	0.45				
Unit 3	0.00	21.78	0	0	0	Supa	0.25	1.66				
Unit 4	4.01	76.18	197	137	180	Vita	0.56	15.65				
Unit 5	10.28	132.19	460	110	450	Dondaicha	3.02	72.81				
Unit 6	9.68	154.77	420	379	420	Sakri	0.47	9.46				
Unit 7	9.01	144.73	405	334	400	Nandurbar	0.25	6.92				
Total	39.71	650.85			1760	Khandke	0.51	3.23				
Paras						Khaparale	0.39	8.45				
Unit 3	4.46	64.32	235	0	191	Total	10.00	202.08				
Unit 4	5.67	77.26	253	218	230	CPP						
Total	10.13	141.59			421	JSW_JAIGAD	20.53	339.66	907	798	825	
Khaparkheda						WARDHA	2.77	46.39	122	100	120	
Unit 1	2.88	62.68	145	55	140	Adani	43.36	698.58	1840	1780	1846	
Unit 2	3.14	57.10	140	115	150	Other_CPPs	19.68	364.73			915	
Unit 3	3.24	55.01	165	106	140	Total	86.34	1449.37			3706	
Unit 4	3.35	60.05	155	115	150	SOLAR						
Unit 5	7.96	147.94	500	255	400	Total	0.78	17.14				
Total	20.56	382.80			980	Total	0.78	17.14				
Nasik						Tata						
Unit 3	4.42	73.98	190	170	190	Trombay 4	0.00	0.00	0	0	0	
Unit 4	3.03	71.53	192	0	190	Trombay 5	10.03	177.95	452	251	500	
Unit 5	4.55	75.23	197	176	190	Trombay 6	3.72	64.75	157	154	500	
Total	12.00	220.74			570	Trombay 7A	2.73	45.10	127	79	120	
Uran						Trombay 7B	1.57	26.46	70	52	60	
All Units	13.85	214.41	607	511	600	Trombay 8	0.00	0.00	0	0	0	
Total	13.85	214.41			600	TATA Hydro	4.33	63.61	422	0	447	
PENCH (MS)						Total	22.38	377.87			1627	
Pench (MS)	0.09	2.94	27	0		REL						
Total	0.09	2.94				1&2	12.49	206.54	522	519	500	
Koyna						Total	12.49	206.54			500	
Stage 1-2	3.54	48.75	475	40	600	Cent Sect						
Stage 4	2.45	50.46	517	0	250	Share					5528	
Stage 3	0.82	22.54	160	0	320	Total					5528	
Koyna 12&4 Total	5.99	99.21			850	MS PG CL						
							Thermal	123.67	2101.53			5206
							Thml+Gas	137.52	2315.94			5806
							Hydro	10.55	201.45			1372
							Total	148.07	2517.39			7178
							State Total	280.16	4773.34			18539

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 17/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 SHEDDING	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4834	1012	512	6358	493	3622	0	4887	5366	-982	-1046	14820	131	14951	2396	17347	49.94
2	4853	798	541	6192	543	3540	0	5168	5098	-1064	-878	14505	173	14678	2177	16855	49.90
3	4731	268	562	5561	586	3511	0	5257	5199	-1017	-801	14056	179	14235	2066	16301	49.92
4	4849	96	511	5456	564	3527	0	5026	5109	-1005	-679	13977	185	14162	1984	16146	50.04
5	4939	96	606	5641	518	3525	0	5030	4911	-1008	-620	13975	193	14168	1942	16110	50.04
6	4992	103	606	5701	408	3509	0	5112	5226	-1044	-624	14220	350	14570	1946	16516	50.11
7	5040	187	607	5834	378	3498	8	4837	4942	-1073	-609	14051	765	14816	1910	16726	50.09
8	5170	237	606	6013	274	3599	16	4796	4726	-1071	-698	13940	758	14698	1980	16678	50.02
9	5365	283	606	6254	366	3560	41	5061	5427	-1156	-876	14782	709	15491	2184	17675	49.95
10	5339	532	587	6458	327	3498	67	5566	5394	-1253	-1045	14699	526	15225	2498	17723	49.89
11	5256	1027	588	6871	278	3657	92	5488	5576	-1210	-1158	15316	538	15854	2766	18620	49.80
12	5453	1169	590	7212	179	3675	74	5509	5512	-1231	-1207	15445	629	16074	2877	18951	49.80
13	5820	571	588	6979	128	3575	118	5678	5652	-1226	-1245	15207	793	16000	2880	18880	49.85
14	5868	239	584	6691	213	3654	118	5492	5538	-1200	-1231	14983	680	15663	2846	18509	49.85
15	5871	239	573	6683	334	3601	96	5480	5484	-1197	-1188	15010	524	15534	2870	18404	49.79
16	5518	499	575	6592	480	3640	76	5436	5481	-1178	-1176	15093	440	15533	2873	18406	49.84
17	5269	632	576	6477	545	3683	44	4849	5121	-1200	-1289	14581	445	15026	2854	17880	49.94
18	5111	235	580	5926	525	3583	26	4180	4098	-1112	-1202	12956	537	13493	2675	16168	50.02
19	4948	169	582	5699	532	3611	6	4089	4073	-1057	-1118	12803	326	13129	2574	15703	49.97
20	4964	315	572	5851	497	3631	0	4692	4523	-1136	-1121	13404	417	13821	2656	16477	49.81
21	4905	225	567	5697	611	3592	0	4761	4740	-1207	-1201	13452	328	13780	2617	16397	49.73
22	4945	305	569	5819	474	3660	0	4778	4836	-1250	-1110	13679	235	13914	2532	16446	49.75
23	4971	310	570	5851	471	3685	0	4929	4832	-1118	-1088	13751	160	13911	2492	16403	49.63
24	4657	1003	595	6255	281	3701	0	5044	5236	-1184	-1035	14438	135	14573	2520	17093	49.85
MUs	123.67	10.55	13.85	148.07	10.00	86.34	0.78	121.14	122.10	-27.18	-24.24	343.14	10.16	353.30	59.12	412.41	49.90

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 17/May/2014

Position as on 6.30 Hrs of 18/May/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 JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
CPP IPL U-2	270	29/04/2014	09:34		Continued.	PA Fan problem	
CPP Adani U1	660	30/04/2014	12.11		Continued.	BTL.	
Parli Unit 4	210	12/05/2014	00.20		Continued.	Coal Shortage.	
Bhusawal Unit 3	210	14/05/2014	23.00	17/05/2014	04.15	ID Fan Problem.	
Chandrapur Unit 3	210	16/05/2014	04.53	18/05/2014	22.03	PA Fan Problem.	
Paras Unit 3	250	16/05/2014	17.00	17/05/2014	02.34	Local supply failure	
Parli Unit 6	250	17/05/2014	02.03	17/05/2014	6.43	ESP Turbine Fault	
Parli Unit 7	250	17/05/2014	17.30	17/05/2014	21.25	ID fan problem	
Chandrapur Unit 5	500	17/05/2014	23.21	18/05/2014	11.00	TO attend hot spot y ph jumper	
Bhusawal Unit 3	210	17/05/2014	23.55	18/05/2014	21.09	stator earth fault	
Uran Unit 8	108	18/05/2014	23.05		Continued.	suspected gas leakage	
Khaparkheda Unit 5	500	18/05/2014	5.41	18/05/2014	9.28	flame failure	
Chandrapur Unit 2	210	18/05/2014	5.45		Continued.	furnace pressure high	
Khaparkheda Unit 1	210	18/05/2014	8.12	18/05/2014	14.05	flame failure	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/May/2014

Position as on 6.30 Hrs of 18/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Sar'Sarovar - II	16/05/2014	09.18	17/05/2014	06.32	Premansoon Maint.by PGCIL,RFC at 17.26Hrs.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Halkarni-Mahalaxmi	17/05/2014	6.32	18/05/2014	19.36	maintance work
Vasai-Boiser(PG)	18/05/2014	9.13	18/05/2014	15.03	replacement of y-ph ct of padgha-n'sopara line
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Kolhapur-Mapusa-II	16/05/2014	16.50	17/05/2014	06.25	Hot spot, RFC at 18.04Hrs
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765KV Akola II - Tiroda - I	23/03/2014	17.18		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	17/05/2014	17.36	18/05/2014	9.10	over voltage
Dhule-Sar'Sarovar - II	17/05/2014	8.22	18/05/2014	9.25	over voltage
Kolhapur - Mapusa - I	18/05/2014	16.45		Continued.	over voltage
Dhule-Sar'Sarovar - I	18/05/2014	18.55		Continued.	over voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona	18/05/2014	21.10	18/05/2014	22.35	distance protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400KV GT-5Main Bay (410) at Deepnagar	13/05/2014	09.05		Continued.	Dismantling old 400KV main CB and erection and commissioning of new CB.
Warora-Tiroda-I	17/05/2014	06.55		Continued.	Auto to non auto for hot line stringing of 765kv raipur-wardha line
Warora - Tiroda - II	17/05/2014	07.02		Continued.	Auto to non auto for hot line stringing of 765kv raipur-wardha line
New Koyna - Dabhol - II	18/05/2014	6.58	18/05/2014	19.38	cold washing of insulators
400/220KV,500MVA ICT-III At Kalwa.	18/05/2014	8.16	18/05/2014	14.50	CT tan delta bushing tan delta & R M work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nalasopara- Boiser PG	19/04/2014	15.31	18/05/2014	9.15	outage on padgha-n'sopara line
Bus Section - II @ K'gaon	17/05/2014	08.12	17/05/2014	15.40	stringing of stub bus & connecting bus iso jumpers for lilo bet mahad-posco
Lonikand-Kathapur	17/05/2014	10.40	17/05/2014	13.44	Attend hot on r-ph ct clamp
Borivali (MSEB)- Borivali (T)	17/05/2014	11.00	17/05/2014	17.13	primansoon checks
220/33KV 125 MVA T/F 4 at Ghodbandar	17/05/2014	14.14	17/05/2014	16.32	calibration of wti & oti
Nagothane - SPCL	18/05/2014	12.10	18/05/2014	14.50	emergency outage to attend sparking kine isolator
Main Bus Section - I @ Pophali	18/05/2014	6.10	18/05/2014	17.45	pm work u1 to u4 out
Trombay(T)- Trombay(M)Tie-II	18/05/2014	8.06	18/05/2014	19.15	CT and relay testing
Padgha - Nalasopara	18/05/2014	9.12	18/05/2014	15.03	replacement of y-ph ct
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765 KV (Akola 2) 240 MVAR bus reactor	17/05/2014	9.37	17/05/2014	17.32	over voltage

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/May/2014

Position as on 6.30 Hrs of 18/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - II - Akola - I	18/04/2014	16.00		Continued.	Over Voltage.
Karad - Kolhapur - II	16/05/2014	16.55	17/05/2014	06.10	Over Voltage
Karad-Jaigad I	16/05/2014	17.05	17/05/2014	06.09	Over Voltage
Bhusawal- Aurangabad	16/05/2014	17.44	17/05/2014	06.28	Over Voltage
Dabhol-Nagothane-II	17/05/2014	14.46	17/05/2014	20.06	distance protection
Karad-Jaigad I	17/05/2014	17.06	18/05/2014	6.56	over voltage
Khadka - Aurangabad	17/05/2014	17.45	18/05/2014	9.21	over voltage
Bus reactor @ Dhule	17/05/2014	9.33	17/05/2014	17.17	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
Usmanabad --Bale	12/05/2014	10.37	17/05/2014	8.29	Hand Tripped.
Karad-Kolhapur - II	17/05/2014	17.01	18/05/2014	6.53	over voltage
Vita - Lamboti	17/05/2014	9.27		Continued.	hand tripped
Nalasopara- Boiser PG	18/05/2014	15.01		Continued.	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Parli - II	18/05/2014	14.08	18/05/2014	19.55	distance protection

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 18/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			TILLARI	60	60
Unit 5	200	0	BHTGR/VEER	21	3
Unit 6	210	155	BHIRA T.R.	80	40
Unit 7	210	170	RNGR+BHTSA	20	5
	620	325	BHANDARDRA	45	10
Bhusawal			ELDARY	23	
Unit 2	210	130	SMLHY_PTIN	12	5
Unit 3	210	0	GHATGHAR	250	
Unit 4	500	350		611	202
Unit 5	500	335	Wind		
	1420	815	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	0	ATIT	0	
Unit 4	210	0	Kale	0	
Unit 5	210	155	Satara	0	
Unit 6	250	185	Shirala	0	
Unit 7	250	185	K Mahankal	0	
	1130	525	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	150	Dondaicha	0	
Unit 2	210	0	Sakri	0	
Unit 3	210	0	Nandurbar	0	
Unit 4	210	210	Khandke	0	
Unit 5	500	0	Khaparale	0	
Unit 6	500	420		0	
Unit 7	500	400	CPP		
	2340	1180	JSW_JAIGAD	1200	717
Paras			WARDHA	405	120
Unit 3	250	220	Adani	2640	1846
Unit 4	250	250	Other_CPPs	300	815
	500	470		4545	3498
Khaparkheda			SOLAR		
Unit 1	210	190	Total	0	
Unit 2	210	185		0	
Unit 3	210	210	Tata		
Unit 4	210	210	Trombay 4	150	0
Unit 5	500	500	Trombay 5	500	220
	1340	1295	Trombay 6	500	500
Nasik			Trombay 7A	120	120
Unit 3	210	190	Trombay 7B	60	60
Unit 4	210	0	Trombay 8	250	0
Unit 5	210	190	TATA Hydro	444	447
	630	380		2024	1347
Uran			REL		
All Units	852	600	1&2	500	500
	852	600		500	500
PENCH (MS)			Cent Sect		
Pench (MS)	53		Share	3455	6055
	53			3455	6055
Koyna					
Stage 1-2	600	600			
Stage 4	1000	250			
Stage 3	320	320			
	1920	1170			
Hydro					
KDPH	40	18			
VTRNA	60	61			