



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/May/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	120.043	3576.666	1) Gujrat	3.959	208.884
2) Hydro	5.832	415.530	2) Madhya Pradesh	15.502	609.500
3) Gas	10.462	376.924	3) Chattisgarh	8.830	265.900
Total MSGENCO	136.337	4369.120	4) Maharashtra Net	100.430	2661.278
B) 1) JSW JAIGAD	27.477	638.687	(Incl. 765kV Solapur-Raichur)	-1.275	-18.585
2) WPCL	2.535	80.522	5) Goa	-7.703	-209.647
3) ADANI	28.767	1185.320	6) TAPS 1&2 Injection	7.376	221.821
4) Other CPP / IPP	19.482	672.673	7) RGPPL Injection	0.000	0.000
5) Wind Generation	22.523	401.710	8) Pench (Excess)	-0.253	-5.745
6) PENCH (MS)	0.253	5.745			
7) SOLAR	1.011	30.643	# Total Cent. Sector	128.141	3751.991
C) 1) TPCL Thermal	20.046	560.819	F) Other Exchanges		
2) TPCL Hydro	4.826	128.434	1) With TPCL (Excess)	-27.853	-781.802
TOTAL TPCL	24.872	689.253	G) Bilateral Power *		
3) REL Thermal	12.495	367.541	1) MSEDCL Bilateral	28.725	819.282
D) STATE			Include PX	-0.038	120.657
1) Thermal (A1+C1+C3)	152.584	4505.026	2) MUMBAI Bilateral	27.263	812.356
2) Hydro (A2+B6+C2)	10.911	549.709	Include PX	8.679	98.391
3) Gas (A3)	10.462	376.924	3) MUMBAI Schedule	27.263	816.664
4) Wind (B5)	22.523	401.710	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	78.261	2577.202	1) MSEDCL	338.673	10354.609
6) SOLAR (B7)	1.011	30.643	2) TPCL	41.705	1171.750
TOTAL STATE	275.752	8441.214	3) REL	23.515	666.813
			TOTAL STATE	403.893	12193.172

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5365	5666	4630
MSGENCO Hydro	249	119	83
MSGENCO Gas	426	424	448
MSGENCO Total Generation	6040	6209	5161
Central Sector Receipt	5856	5820	5192
WIND	597	782	1113
CPP / IPP	3329	3286	3222
SOLAR	138	131	0
Exchange with Mumbai	-1396	-1396	-716
MSEDCL DEMAND MET	14564	14832	13972
Load Shedding	558	319	215
MSEDCL DEMAND	15122	15151	14187
TPCL GENERATION	1313	1301	846
R-INFRA GENERATION	517	519	521
TPCL+R-INFRA DEMAND	3226	3216	2083
STATE DEMAND MET	17790	18048	16055
STATE DEMAND	18348	18367	16270
Frequency (Hz)	49.99	49.93	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.55 Hz at 16.54 Hrs	49.62 Hz at 22.04 Hrs	49.98	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 30/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	3.85	97.23	170	145	147
Unit 7	3.88	94.13	185	140	145
Total	7.73	191.36			292
Bhusawal					
Unit 2	3.08	87.02	150	110	130
Unit 3	3.06	79.90	145	105	140
Unit 4	7.72	251.90	460	295	300
Unit 5	7.62	205.88	370	300	300
Total	21.49	624.70			870
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	2.36	47.08	152	0	130
Unit 5	0.00	97.58	0	0	0
Unit 6	4.08	139.50	181	153	165
Unit 7	4.11	112.07	180	169	171
Total	10.56	396.24			466
Chandrapur					
Unit 1	3.26	98.07	142	127	136
Unit 2	3.86	98.98	165	150	165
Unit 3	3.91	47.66	173	136	172
Unit 4	4.75	132.10	204	188	203
Unit 5	8.66	212.00	447	260	261
Unit 6	7.29	268.18	360	205	239
Unit 7	6.63	253.20	334	223	247
Total	38.36	1110.20			1423
Paras					
Unit 3	4.53	121.73	201	172	200
Unit 4	5.36	142.88	248	198	250
Total	9.88	264.61			450
Khaparkheda					
Unit 1	3.64	105.69	180	130	150
Unit 2	0.00	80.92	0	0	0
Unit 3	4.25	101.09	209	168	170
Unit 4	4.16	104.69	202	168	170
Unit 5	8.57	255.04	482	317	350
Total	20.62	647.43			840
Nasik					
Unit 3	3.98	120.23	190	50	190
Unit 4	4.48	124.06	196	174	200
Unit 5	2.93	97.84	195	0	50
Total	11.39	342.13			440
Uran					
All Units	10.46	376.92	448	424	445
Total	10.46	376.92			445
PENCH (MS)					
Pench (MS)	0.25	5.74	27	0	
Total	0.25	5.74			
Koyna					
Stage 1-2	1.82	102.64	345	40	600
Stage 4	0.42	130.80	280	0	250
Stage 3	0.35	52.67	160	0	320
Kovna 12&4 Total	2.23	233.44			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.58	286.12			1170
Hydro					
KDPH	0.25	8.46	11	10	18
VTRNA	0.61	34.41	61	0	60
TILLARI	0.00	13.82	0	0	60
BHTGR/VEER	0.00	1.37	0	0	0
BHIRA T.R.	0.34	8.15	40	0	40
RNGR+BHTSA	0.26	6.99	11	10	11
BHANDARDRA	0.00	9.59	0	0	0
ELDARY	0.00	2.96	0	0	0
SMLHY PTN	0.47	17.84	26	17	9
GHATGHAR	1.32	25.83	250	0	0
Total	3.25	129.42			198
Wind					
MalharPeth	0.31	6.92			
Vankuswadi	0.66	15.08			
ATIT	0.07	1.67			
Kale	0.16	4.12			
Satara	5.95	130.71			
Shirala	0.31	7.55			
K Mahankal	0.05	0.99			
Supa	0.20	4.18			
Vita	1.89	33.56			
Dondaicha	9.01	139.12			
Sakri	1.28	18.57			
Nandurbar	0.90	13.40			
Khandke	0.45	8.97			
Khaparale	1.28	16.86			
Total	22.52	401.71			
CPP					
JSW JAIGAD	27.48	638.69	1219	1068	1100
WARDHA	2.54	80.52	108	103	105
Adani	28.77	1185.32	1435	1140	1200
Other CPPs	19.48	672.67			665
Total	78.26	2577.20			3070
SOLAR					
Total	1.01	30.64			
Total	1.01	30.64			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.76	316.04	502	448	500
Trombay 6	3.72	117.57	157	154	500
Trombay 7A	2.93	80.37	124	119	120
Trombay 7B	1.64	46.83	69	68	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.83	128.43	471	0	447
Total	24.87	689.25			1627
REL					
1&2	12.50	367.54	524	517	500
Total	12.50	367.54			500
Cent Sect					
Share					6111
Total					6111
MS PG CL	Thermal	120.04	3576.67		4781
	Thml+Gas	130.50	3953.59		5226
	Hydro	5.83	415.53		1368
	Total	136.34	4369.12		6594
State Total		275.75	8441.21		17902

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	4534	1072	438	6044	1028	3440	0	4980	5203	-949	-1199	14536	133	14669	2598	17267	49.83
2	4525	661	448	5634	1066	3410	0	5145	4887	-1027	-941	14060	199	14259	2351	16610	49.94
3	4576	113	447	5136	1310	3284	0	5420	5049	-931	-843	13936	199	14135	2210	16345	50.04
4	4616	78	447	5141	1204	3182	0	5434	5238	-887	-734	14031	205	14236	2102	16338	50.01
5	4630	83	448	5161	1113	3222	0	5516	5192	-966	-716	13972	215	14187	2083	16270	50.03
6	4670	78	441	5189	1034	3127	0	5254	5440	-1003	-736	14058	361	14419	2100	16519	50.04
7	4750	78	440	5268	932	3181	2	5134	4949	-995	-707	13645	809	14454	2074	16528	50.08
8	4911	78	440	5429	780	3177	28	4929	4879	-805	-793	13527	826	14353	2162	16515	50.03
9	5102	221	439	5762	681	3173	49	4836	5046	-728	-1006	13732	720	14452	2458	16910	50.02
10	5117	325	432	5874	584	3211	94	5811	5795	-1126	-1274	14302	542	14844	2866	17710	49.95
11	5116	373	427	5916	650	3283	110	6054	5864	-1242	-1379	14451	502	14953	3133	18086	49.90
12	5365	249	426	6040	597	3329	138	6288	5856	-1401	-1396	14564	558	15122	3226	18348	49.99
13	5572	124	425	6121	664	3111	136	6126	5891	-1394	-1389	14534	527	15061	3223	18284	49.92
14	5361	134	424	5919	690	3159	124	5882	5880	-1329	-1356	14416	452	14868	3145	18013	49.93
15	5666	119	424	6209	782	3286	131	6001	5820	-1416	-1396	14832	319	15151	3216	18367	49.93
16	5303	241	429	5973	926	3216	105	6036	5983	-1485	-1427	14776	167	14943	3223	18166	49.91
17	5205	224	436	5865	1107	3344	61	5483	5569	-1440	-1401	14545	184	14729	3206	17935	50.08
18	5090	100	434	5624	1307	3462	30	4894	4451	-1212	-1471	13403	209	13612	3087	16699	50.12
19	5041	150	436	5627	1262	3223	3	4346	4376	-955	-1440	13051	207	13258	2902	16160	50.05
20	5044	149	436	5629	1079	3216	0	4841	5086	-1157	-1356	13674	397	14071	2858	16929	50.00
21	4968	149	436	5553	1042	3289	0	5072	5251	-1186	-1303	13858	347	14205	2800	17005	49.98
22	4982	156	436	5574	921	3259	0	5055	5331	-1104	-1234	13877	253	14130	2769	16899	49.89
23	4979	372	437	5788	908	3294	0	5255	5437	-1233	-1171	14283	177	14460	2743	17203	49.88
24	4920	505	436	5861	856	3383	0	5582	5668	-1290	-1185	14610	146	14756	2685	17441	49.86
MUs	120.04	5.83	10.46	136.34	22.52	78.26	1.01	129.37	128.14	-27.26	-27.85	338.67	8.65	347.33	65.22	412.55	49.98

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 30/May/2014

Position as on 6.30 Hrs of 31/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 WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
Parli Unit 5	210	26/05/2014	22.34		Continued.	Coal Shortage.	
CPP Adani U-2	660	27/05/2014	17.19	30/05/2014	15.52	BLR T/L.	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Nasik Unit 5	210	28/05/2014	20.00	30/05/2014	06.55	PA Fan Problem.	
Nasik Unit 3	210	29/05/2014	21.50	30/05/2014	23.45	Trip.	
Uran Unit 6	108	29/05/2014	21.53	31/05/2014	01.30	Fire At By Pass Jumper Damper.	
CPP Adani U-2	660	30/05/2014	18.22		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/May/2014

Position as on 6.30 Hrs of 31/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Bhoiser - Tarapur - I	30/05/2014	08.05	30/05/2014	20.05	Maint.work
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 - I	29/05/2014	17.36	30/05/2014	08.36	Over Volatge.
Kolhapur-Mapusa-II	30/05/2014	17.30	31/05/2014	9.17	Over Voltage
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole I Padgha	29/05/2014	22.27	30/05/2014	06.22	PM Work.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 315MVA ICT-II @ Kharghar	30/05/2014	08.37	30/05/2014	20.47	Maint.work
400/220 KV 315 MVA ICT-II @ Dhule	30/05/2014	09.30	30/05/2014	20.58	Repl.of B Phase Relay
400/220KV 315 MVA ICT-I @ Padgha	30/05/2014	09.42	30/05/2014	14.50	Repl.of Bucholz relay of R phase Unit
Khaparkheda - Chandrapur	30/05/2014	10.00	30/05/2014	18.46	Relocation
Koradi - Bhusawal	30/05/2014	12.58	30/05/2014	13.20	Removal of Line Reactor
400/220KV 315 MVA ICT-II @ Padgha	30/05/2014	15.00	30/05/2014	17.12	P.M.Work
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		
Chalisgaon - Malegaon	30/05/2014	06.20		Continued.	Bus outage at Malegaon.
Dhule - Malegaon	30/05/2014	06.21	30/05/2014	20.04	Bus outage At Malegaon.
220kv Main Bus @ Malegaon	30/05/2014	06.27	30/05/2014	10.34	Replacement Of Main Bus Conductor due to Broken Stands.
Dhule - Malegaon	30/05/2014	06.27	30/05/2014	20.04	Bus Outage at Malegaon
Parli Extn. - Parli -1 @ Parli	30/05/2014	08.09		Continued.	Repl.of Bolted type Jumper CT& WT
Apta-Uran-IV	30/05/2014	08.32	30/05/2014	18.40	Repl.of Cut point and Suspention Disc Insulator
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
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Bale-Usmanabad	30/05/2014	10.22	30/05/2014	13.26	Armoring work at Loc.No.135
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	29/05/2014	16.31	30/05/2014	08.00	Over Volatge.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/May/2014

Position as on 6.30 Hrs of 31/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	29/05/2014	18.01	30/05/2014	09.00	Over Volatge.
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
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

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 31/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	158
Unit 7	210	168
	620	326
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	315
Unit 5	500	325
	1420	920
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	180
Unit 7	250	175
	1130	355
Chandrapur		
Unit 1	210	150
Unit 2	210	165
Unit 3	210	170
Unit 4	210	190
Unit 5	500	450
Unit 6	500	275
Unit 7	500	300
	2340	1700
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	180
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	500
	1340	1100
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	1100
WARDHA	405	105
Adani	2640	1200
Other CPPs	300	665
	4545	3070
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	6187
	3455	6187