



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/May/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	120.593	3216.088	1) Gujrat	4.909	193.018
2) Hydro	8.741	394.146	2) Madhya Pradesh	17.626	561.038
3) Gas	12.013	339.264	3) Chattisgarh	10.320	239.450
Total MSGENCO	141.347	3949.498	4) Maharashtra Net	91.180	2374.761
B) 1) JSW JAIGAD	27.932	556.952	(Incl. 765kV Solapur-Raichur)	-2.406	-14.587
2) WPCL	2.464	72.923	5) Goa	-7.214	-187.410
3) ADANI	40.309	1079.381	6) TAPS 1&2 Injection	7.392	199.694
4) Other CPP / IPP	23.274	605.849	7) RGPPL Injection	0.000	0.000
5) Wind Generation	14.270	345.817	8) Pench (Excess)	-0.104	-4.899
6) PENCH (MS)	0.104	4.899	# Total Cent. Sector	124.109	3375.652
7) SOLAR	1.063	27.334	F) Other Exchanges		
C) 1) TPCL Thermal	20.157	502.238	1) With TPCL (Excess)	-27.491	-696.747
2) TPCL Hydro	5.327	112.878	G) Bilateral Power *		
TOTAL TPCL	25.484	615.116	1) MSEDCL Bilateral	30.359	733.949
3) REL Thermal	12.341	330.678	Include PX	5.468	117.557
D) STATE			2) MUMBAI Bilateral	26.621	733.383
1) Thermal (A1+C1+C3)	153.091	4049.004	Include PX	3.914	76.149
2) Hydro (A2+B6+C2)	14.172	511.923	3) MUMBAI Schedule	26.666	734.669
3) Gas (A3)	12.013	339.264	H) ENERGY CATERED (MUs)		
4) Wind (B5)	14.270	345.817	1) MSEDCL	347.381	9321.558
5) CPP/IPP (B1+B2+B3+B4)	93.979	2315.105	2) TPCL	41.851	1046.852
6) SOLAR (B7)	1.063	27.334	3) REL	23.465	595.660
TOTAL STATE	288.588	7588.447	TOTAL STATE	412.697	10964.070

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4922	5268	4932
MSGENCO Hydro	1239	251	155
MSGENCO Gas	531	550	436
MSGENCO Total Generation	6692	6069	5523
Central Sector Receipt	6033	5318	5065
WIND	184	529	449
CPP / IPP	4140	3960	3879
SOLAR	141	140	0
Exchange with Mumbai	-1413	-1314	-744
MSEDCL DEMAND MET	15784	14702	14172
Load Shedding	496	594	197
MSEDCL DEMAND	16280	15296	14369
TPCL GENERATION	1263	1374	835
R-INFRA GENERATION	513	522	513
TPCL+R-INFRA DEMAND	3189	3210	2092
STATE DEMAND MET	18973	17912	16264
STATE DEMAND	19469	18506	16461
Frequency (Hz)	49.90	49.99	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.37 Hz at 17.57 Hrs	49.7 Hz at 09.05 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 27/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	3.63	85.99	162	140	155
Unit 7	0.00	83.54	0	0	0
Total	3.63	169.54			155
Bhusawal					
Unit 2	3.11	77.55	145	120	140
Unit 3	3.10	70.80	150	120	130
Unit 4	8.04	227.67	495	300	300
Unit 5	5.74	180.81	330	0	312
Total	20.00	556.82			882
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.37	38.02	160	135	150
Unit 5	0.00	97.58	0	0	0
Unit 6	4.66	126.44	245	170	187
Unit 7	4.62	99.34	250	176	187
Total	12.65	361.38			524
Chandrapur					
Unit 1	3.26	88.16	143	132	145
Unit 2	3.82	87.40	165	149	165
Unit 3	4.13	35.85	188	162	180
Unit 4	4.50	118.21	200	167	210
Unit 5	10.29	185.09	465	374	450
Unit 6	9.27	245.19	410	360	390
Unit 7	8.82	230.32	398	300	400
Total	44.09	990.22			1940
Paras					
Unit 3	4.39	108.12	229	109	210
Unit 4	5.61	126.63	248	202	250
Total	10.00	234.75			460
Khaparkheda					
Unit 1	3.42	94.82	165	110	170
Unit 2	0.00	80.92	0	0	0
Unit 3	3.89	88.47	185	150	180
Unit 4	3.84	92.19	182	147	180
Unit 5	8.47	229.02	460	308	500
Total	19.62	585.43			1030
Nasik					
Unit 3	3.68	116.24	185	0	190
Unit 4	4.40	110.52	195	157	190
Unit 5	2.53	91.19	181	0	0
Total	10.60	317.94			380
Uran					
All Units	12.01	339.26	570	434	600
Total	12.01	339.26			600
PENCH (MS)					
Pench (MS)	0.10	4.90	27	0	
Total	0.10	4.90			
Koyna					
Stage 1-2	1.69	96.87	320	40	600
Stage 4	2.23	128.97	912	0	250
Stage 3	0.97	51.08	212	0	320
Kovna 12&4 Total	3.92	225.84			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.89	276.93			1170
Hydro					
KDPH	0.52	7.37	22	21	12
VTRNA	1.31	32.14	61	0	61
TILLARI	0.47	12.71	64	0	63
BHTGR/VEER	0.00	1.37	0	0	0
BHIRA T.R.	0.29	7.13	40	0	40
RNGR+BHTSA	0.27	6.19	12	11	10
BHANDARDRA	0.00	9.59	0	0	0
ELDARY	0.00	2.96	0	0	
SMLHY PTN	0.58	16.38	31	21	10
GHATGHAR	0.42	21.36	125	0	
Total	3.85	117.22			196
Wind					
MalharPeth	0.29	5.98			
Vankuswadi	0.44	13.15			
ATIT	0.06	1.42			
Kale	0.16	3.67			
Satara	5.57	115.18			
Shirala	0.14	6.56			
K Mahankal	0.07	0.85			
Supa	0.19	3.69			
Vita	1.43	28.85			
Dondaicha	3.90	117.97			
Sakri	0.54	15.60			
Nandurbar	0.40	11.17			
Khandke	0.39	7.81			
Khaparale	0.69	13.91			
Total	14.27	345.82			
CPP					
JSW JAIGAD	27.93	556.95	1212	1081	1100
WARDHA	2.46	72.92	105	101	101
Adani	40.31	1079.38	1852	1302	1823
Other CPPs	23.27	605.85			915
Total	93.98	2315.10			3939
SOLAR					
Total	1.06	27.33			
Total	1.06	27.33			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.82	282.30	500	433	500
Trombay 6	4.31	105.30	258	152	500
Trombay 7A	2.53	72.44	115	84	120
Trombay 7B	1.51	42.20	66	56	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.33	112.88	471	0	447
Total	25.48	615.12			1627
REL					
1&2	12.34	330.68	522	503	500
Total	12.34	330.68			500
Cent Sect					
Share					5808
Total					5808
MS PG CL	Thermal	120.59	3216.09		5371
	Thml+Gas	132.61	3555.35		5971
	Hydro	8.74	394.15		1366
	Total	141.35	3949.50		7337
State Total		288.59	7588.45		19211

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/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	5015	775	434	6224	424	4097	0	5266	5351	-974	-1081	15015	66	15081	2546	17627	49.92
2	5000	416	435	5851	353	4010	0	5252	5448	-940	-975	14687	197	14884	2343	17227	49.94
3	4994	155	435	5584	409	3957	0	5251	5159	-884	-855	14254	193	14447	2206	16653	49.98
4	4932	155	436	5523	449	3879	0	5099	5065	-816	-744	14172	197	14369	2092	16461	50.00
5	4979	160	440	5579	438	3996	0	5219	5174	-932	-683	14504	210	14714	2030	16744	50.01
6	4997	155	440	5592	463	3900	0	5279	5710	-986	-705	14960	345	15305	2046	17351	49.99
7	5060	160	439	5659	503	3955	6	4791	5292	-1028	-698	14717	797	15514	2037	17551	50.02
8	5099	170	520	5789	400	3979	33	4827	5177	-1088	-808	14590	816	15406	2149	17555	49.99
9	5124	573	491	6188	374	3945	78	4902	5178	-1242	-1116	14670	704	15374	2453	17827	49.96
10	5024	1470	486	6980	229	4172	108	5333	5507	-1165	-1294	15722	462	16184	2872	19056	49.90
11	4922	1239	531	6692	184	4140	141	5901	6033	-1300	-1413	15784	496	16280	3189	19469	49.90
12	5021	710	538	6269	211	3691	167	6098	6101	-1364	-1359	15080	660	15740	3248	18988	49.99
13	5360	350	534	6244	433	3840	148	5867	5964	-1377	-1348	15281	819	16100	3244	19344	49.95
14	5268	251	550	6069	529	3960	140	5647	5318	-1312	-1314	14702	594	15296	3210	18506	49.99
15	5257	237	566	6060	919	3727	81	5685	5295	-1256	-1368	14714	216	14930	3243	18173	49.98
16	4977	238	570	5785	791	3767	75	5129	5249	-1249	-1341	14326	143	14469	3243	17712	49.97
17	4996	222	570	5788	795	4045	61	4446	4525	-1334	-1348	13866	110	13976	3228	17204	49.99
18	5116	182	498	5796	934	3819	20	3900	3855	-1223	-1323	13101	73	13174	3118	16292	50.10
19	5014	232	500	5746	816	3674	5	3708	4012	-1017	-1290	12963	59	13022	2896	15918	50.06
20	4957	232	502	5691	1071	3796	0	4319	4573	-994	-1346	13785	22	13807	2884	16691	49.98
21	4893	232	522	5647	956	3741	0	4761	4718	-1083	-1248	13814	5	13819	2849	16668	49.94
22	4845	159	522	5526	968	3853	0	4764	4961	-1042	-1266	14042	3	14045	2717	16762	49.99
23	4882	122	527	5531	826	3962	0	5171	5054	-1070	-1269	14111	1	14112	2685	16797	49.99
24	4862	146	527	5535	795	4074	0	4932	5388	-990	-1299	14520	0	14520	2788	17308	49.94
MUs	120.59	8.74	12.01	141.35	14.27	93.98	1.06	121.55	124.11	-26.67	-27.49	347.38	7.19	354.57	65.32	419.88	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 27/May/2014

Position as on 6.30 Hrs of 28/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	
CPP IPL U-2	270	29/04/2014	09:34	27/05/2014	20:07	PA Fan problem	
CPP Adani U-2	660	22/05/2014	10.48	27/05/2014	11.30	Boiler Tube Leakage	
Nasik Unit 5	210	24/05/2014	7.40	27/05/2014	08.10	BTL	
Koradi Unit 7	210	25/05/2014	5.37	28/05/2014	02.59	BTL	
Parli Unit 5	210	26/05/2014	22.34		Continued.	Coal Shortage.	
Bhusawal Unit 5	500	27/05/2014	09.38	27/05/2014	13.58	Gen Prot Optd.	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Bhusawal Unit 3	210	28/05/2014	16.02	28/05/2014	17.15	Furnace Pressure Low.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/May/2014

Position as on 6.30 Hrs of 28/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha - Talegaon (PG)	28/05/2014	04.41	28/05/2014	09.21	R-Ph Wave trap suspension string found broken.
Kolhapur-Solapur (PG) II	28/05/2014	16.29	28/05/2014	19.11	E/W Repair.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	26/05/2014	16.48	27/05/2014	08.37	Over Voltage.
Kolhapur - Mapusa - I	27/05/2014	16.42	28/05/2014	08.55	Over Voltage.
Padgha - Talegaon (PG)	27/05/2014	22.43	28/05/2014	00.29	To remove broken OPGW wire of 400KV Kalwa-Talegaon line.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Solapur (PG) II	27/05/2014	15.03	27/05/2014	15.37	Dist.Prot.
Kalwa - Talegaon (PGCIL)	27/05/2014	16.58	28/05/2014	02.30	Dist.Prot.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik - Navasari - II	27/05/2014	13.22	27/05/2014	17.05	Dist.Prot.
Nasik - Navasari - II	28/05/2014	14.29	28/05/2014	15.41	Dist.Prot.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole II Padgha	28/05/2014	00.50	28/05/2014	07.40	Premansoon Maint.Work.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ICT- I at Khaperkheda	28/05/2014	07.03	28/05/2014	16.29	P.M.Work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Karad-Kadegaon	27/05/2014	10.02	27/05/2014	12.16	Hot Spot of Wave Trap.
Mudsinghi - Mumewadi - I	27/05/2014	10.25	27/05/2014	13.02	Testing work.
Miraj - Kadegaon	27/05/2014	12.27	27/05/2014	13.15	Hot Spot of R-Ph CT.
Parli-I - Harangul - II	27/05/2014	17.51	28/05/2014	00.28	Repl of bolted type jumpers to LA,CT & wave trap.
Borivali - Bhandup	28/05/2014	05.55	28/05/2014	07.09	Removing bird nest from B-Ph W/T.
Borivali-Ghodbandar	28/05/2014	07.17	28/05/2014	07.50	Removing bird nest from B-Ph W/T.
Beed-Patoda II	28/05/2014	09.30	28/05/2014	13.52	Q.M.Work
Girwali - Parly - II	28/05/2014	09.37	28/05/2014	18.22	Repl.of bolted jumpers of LA,CT,WT.
Lamboti-Bale-I	28/05/2014	10.05	28/05/2014	12.40	Q.M.Work
Apta-Uran-IV	28/05/2014	10.34	28/05/2014	19.12	Repl.of cutpoint & suspension insu.by polymer strings.
220/132 KV 200 MVA ICT - II @ Girawali	28/05/2014	10.37	28/05/2014	13.14	Oil top up in conservator tank.
Usmanabad-Barshi	28/05/2014	12.40	28/05/2014	16.12	For checking noise in CT at Barshi end.
Parli-I - Harangul - II	28/05/2014	18.23	28/05/2014	22.41	Testing work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Karad -I	26/05/2014	17.06	27/05/2014	07.00	Over Voltage.
Bhusawal- Aurangabad	26/05/2014	20.14	27/05/2014	08.29	Over Voltage.
Karad - Kolhapur - II	27/05/2014	14.52	28/05/2014	07.27	Over Voltage.
Karad-Jaigad I	27/05/2014	17.31	28/05/2014	07.29	Over Voltage.
Bhusawal- Aurangabad	27/05/2014	17.46	28/05/2014	07.10	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/May/2014

Position as on 6.30 Hrs of 28/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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
Karad-Vita-II	28/05/2014	15.46	28/05/2014	18.31	To attend hot spot.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV,315 MVA ICT-I At Lonikand.	27/05/2014	13.18	27/05/2014	14.11	NDR.
Padgha - Nagothane - I	27/05/2014	16.56	28/05/2014	08.31	Dist.Prot.
Voltage Level : 220KV			Outage Type TRIPPED		
BBLSR-Chalisingaon	26/05/2014	18.30	27/05/2014	04.00	Conductor Broken.
Karad-Vita-II	27/05/2014	14.00	27/05/2014	15.04	Dist.Prot.
Vita - Lamboti	27/05/2014	14.29	27/05/2014	20.03	Dist.Prot.
Babaleshwar - Ranjangaon	27/05/2014	15.07	27/05/2014	19.40	Dist.Prot.
Nasik - Ghatghar	28/05/2014	15.15	28/05/2014	19.32	Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Pangari - Telgaon	26/05/2014	19.02	27/05/2014	05.58	Distance Protection,R & B Ph, Tripped due to CB Wiring Burnt.
BBLSR - Sangamner	27/05/2014	15.09	27/05/2014	15.15	Tripped on FTR.
BBLSR - Rahuri	27/05/2014	15.09	27/05/2014	15.14	Tripped on FTR.
Babaleshwar - Kopargaon	27/05/2014	15.09	27/05/2014	15.16	Tripped on FTR.
BBLSR - Newasa	27/05/2014	15.09	27/05/2014	15.16	Tripped on FTR.
Bhusawal - Nimbhora	28/05/2014	14.17	28/05/2014	14.37	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	170
Unit 7	210	150
	620	320
Bhusawal		
Unit 2	210	120
Unit 3	210	140
Unit 4	500	300
Unit 5	500	400
	1420	960
Parli		
Unit 3	210	0
Unit 4	210	140
Unit 5	210	0
Unit 6	250	200
Unit 7	250	180
	1130	520
Chandrapur		
Unit 1	210	146
Unit 2	210	156
Unit 3	210	164
Unit 4	210	170
Unit 5	500	389
Unit 6	500	383
Unit 7	500	330
	2340	1738
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	150
Unit 2	210	0
Unit 3	210	160
Unit 4	210	160
Unit 5	500	350
	1340	820
Nasik		
Unit 3	210	0
Unit 4	210	190
Unit 5	210	190
	630	380
Uran		
All Units	852	620
	852	620
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	22
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	11
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	208
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	1051
WARDHA	405	101
Adani	2640	1823
Other CPPs	300	874
	4545	3849
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	5903
	3455	5903