



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/May/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.010	3339.098	1) Gujrat	6.350	199.368
2) Hydro	8.087	402.233	2) Madhya Pradesh	16.528	577.566
3) Gas	13.779	353.043	3) Chattisgarh	8.740	248.190
Total MSGENCO	144.876	4094.374	4) Maharashtra Net	92.335	2467.096
B) 1) JSW JAIGAD	27.374	584.326	(Incl. 765kV Solapur-Raichur)	-0.943	-15.530
2) WPCL	2.542	75.465	5) Goa	-7.242	-194.652
3) ADANI	39.002	1118.383	6) TAPS 1&2 Injection	7.377	207.071
4) Other CPP / IPP	23.061	628.910	7) RGPPL Injection	0.000	0.000
5) Wind Generation	13.138	358.955	8) Pench (Excess)	-0.271	-5.170
6) PENCH (MS)	0.271	5.170			
7) SOLAR	1.132	28.466	# Total Cent. Sector	123.817	3499.469
C) 1) TPCL Thermal	19.178	521.416	F) Other Exchanges		
2) TPCL Hydro	5.151	118.029	1) With TPCL (Excess)	-28.874	-725.621
TOTAL TPCL	24.329	639.445	G) Bilateral Power *		
3) REL Thermal	12.134	342.812	1) MSEDCL Bilateral	27.400	761.349
D) STATE			Include PX	2.441	119.998
1) Thermal (A1+C1+C3)	154.322	4203.326	2) MUMBAI Bilateral	23.888	757.271
2) Hydro (A2+B6+C2)	13.509	525.432	Include PX	4.399	80.548
3) Gas (A3)	13.779	353.043	3) MUMBAI Schedule	26.910	761.579
4) Wind (B5)	13.138	358.955	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	91.979	2407.084	1) MSEDCL	346.339	9667.897
6) SOLAR (B7)	1.132	28.466	2) TPCL	41.614	1088.466
TOTAL STATE	287.859	7876.306	3) REL	23.720	619.380
			TOTAL STATE	411.673	11375.743

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5811	5836	4871
MSGENCO Hydro	602	296	92
MSGENCO Gas	576	576	577
MSGENCO Total Generation	6989	6708	5540
Central Sector Receipt	5634	5878	4869
WIND	96	157	645
CPP / IPP	4061	4027	3638
SOLAR	153	160	0
Exchange with Mumbai	-1314	-1287	-1021
MSEDCL DEMAND MET	15619	15643	13671
Load Shedding	708	619	118
MSEDCL DEMAND	16327	16262	13789
TPCL GENERATION	1388	1360	650
R-INFRA GENERATION	519	521	440
TPCL+R-INFRA DEMAND	3221	3168	2111
STATE DEMAND MET	18840	18811	15782
STATE DEMAND	19548	19430	15900
Frequency (Hz)	49.97	49.94	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 17:55 Hrs	49.62 Hz at 14:05 Hrs	49.97	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 28/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	3.64	89.64	162	135	170
Unit 7	2.94	86.48	176	0	150
Total	6.58	176.12			320
Bhusawal					
Unit 2	3.19	80.74	155	120	120
Unit 3	2.87	73.66	165	5	140
Unit 4	8.44	236.11	500	290	300
Unit 5	8.73	189.54	430	310	400
Total	23.23	580.06			960
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.44	41.46	158	135	140
Unit 5	0.00	97.58	0	0	0
Unit 6	4.81	131.26	250	175	200
Unit 7	4.54	103.88	250	170	180
Total	12.79	374.17			520
Chandrapur					
Unit 1	3.33	91.49	141	135	146
Unit 2	3.84	91.24	165	156	156
Unit 3	3.99	39.84	177	134	164
Unit 4	4.39	122.60	199	167	170
Unit 5	9.57	194.66	457	340	389
Unit 6	8.27	253.46	400	180	383
Unit 7	8.12	238.44	416	255	330
Total	41.51	1031.74			1738
Paras					
Unit 3	4.60	112.73	206	183	250
Unit 4	5.47	132.10	245	202	250
Total	10.07	244.82			500
Khaparkheda					
Unit 1	3.64	98.46	185	140	150
Unit 2	0.00	80.92	0	0	0
Unit 3	4.14	92.61	199	162	160
Unit 4	4.13	96.32	210	160	160
Unit 5	8.66	237.68	490	318	350
Total	20.57	606.00			820
Nasik					
Unit 3	0.00	116.24	0	0	0
Unit 4	4.53	115.04	199	173	190
Unit 5	3.73	94.92	201	0	190
Total	8.26	326.20			380
Uran					
All Units	13.78	353.04	588	545	620
Total	13.78	353.04			620
PENCH (MS)					
Pench (MS)	0.27	5.17	25	0	0
Total	0.27	5.17			0
Koyna					
Stage 1-2	1.78	98.66	335	35	600
Stage 4	0.65	129.63	222	0	250
Stage 3	0.75	51.83	136	0	320
Kovna 12&4 Total	2.44	228.28			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.18	280.11			1170
Hydro					
KDPH	0.50	7.87	22	13	22
VTRNA	1.06	33.20	61	0	61
TILLARI	0.74	13.45	63	0	64
BHTGR/VEER	0.00	1.37	0	0	0
BHIRA T.R.	0.34	7.48	40	0	40
RNGR+BHTSA	0.27	6.46	12	11	11
BHANDARDRA	0.00	9.59	0	0	0
ELDARY	0.00	2.96	0	0	0
SMLHY PTN	0.51	16.89	29	18	10
GHATGHAR	1.48	22.84	250	0	0
Total	4.90	122.12			208
Wind					
MalharPeth	0.28	6.26			
Vankuswadi	0.63	13.78			
ATIT	0.07	1.50			
Kale	0.16	3.82			
Satara	3.85	119.02			
Shirala	0.28	6.84			
K Mahankal	0.02	0.87			
Supa	0.16	3.86			
Vita	0.65	29.51			
Dondaicha	4.66	122.63			
Sakri	0.72	16.32			
Nandurbar	0.53	11.70			
Khandke	0.46	8.26			
Khaparale	0.67	14.59			
Total	13.14	358.96			
CPP					
JSW JAIGAD	27.37	584.33	1217	963	1051
WARDHA	2.54	75.46	108	103	101
Adani	39.00	1118.38	1857	1231	1823
Other CPPs	23.06	628.91			874
Total	91.98	2407.08			3849
SOLAR					
Total	1.13	28.47			
Total	1.13	28.47			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.83	293.13	500	315	500
Trombay 6	4.19	109.49	238	154	500
Trombay 7A	2.62	75.06	121	85	120
Trombay 7B	1.54	43.74	68	56	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.15	118.03	471	0	447
Total	24.33	639.44			1627
REL					
1&2	12.13	342.81	522	413	500
Total	12.13	342.81			500
Cent Sect					
Share					5903
Total					5903
MS PG CL	Thermal	123.01	3339.10		5238
	Thml+Gas	136.79	3692.14		5858
	Hydro	8.09	402.23		1378
	Total	144.88	4094.37		7236
State Total		287.86	7876.31		19115

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/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	5014	132	585	5731	712	4037	0	4935	5388	-1098	-1165	14726	117	14843	2531	17374	50.04
2	4991	92	585	5668	725	4068	0	4967	4825	-1006	-1032	14279	114	14393	2382	16775	50.04
3	4872	87	567	5526	844	3864	0	4944	4907	-803	-1014	14150	118	14268	2222	16490	50.05
4	4880	97	577	5554	763	3690	0	4918	5005	-676	-1059	13972	118	14090	2123	16213	50.06
5	4871	92	577	5540	645	3638	0	4966	4869	-724	-1021	13671	118	13789	2111	15900	50.04
6	4933	146	585	5664	596	3611	0	5055	5174	-813	-1025	14020	174	14194	2199	16393	50.11
7	5081	159	585	5825	459	3608	4	4715	4833	-845	-1030	13703	475	14178	2125	16303	50.05
8	5277	219	585	6081	278	3947	29	4758	5011	-916	-1020	14351	595	14946	2215	17161	50.08
9	5264	245	588	6097	212	3888	73	4926	5114	-1119	-1078	14331	582	14913	2459	17372	49.95
10	5235	461	583	6279	143	4041	125	5437	5618	-1263	-1209	15002	474	15476	2824	18300	49.95
11	5190	493	572	6255	111	4106	144	5686	5666	-1365	-1371	14911	350	15261	3144	18405	49.90
12	5333	612	572	6517	70	4008	156	5835	6055	-1468	-1304	15502	545	16047	3218	19265	49.96
13	5811	602	576	6989	96	4061	153	5603	5634	-1475	-1314	15619	708	16327	3221	19548	49.97
14	5836	296	576	6708	157	4027	160	5614	5878	-1407	-1287	15643	619	16262	3168	19430	49.94
15	5725	854	574	7153	232	3737	127	5543	5577	-1436	-1348	15478	517	15995	3218	19213	49.78
16	5218	716	577	6511	402	3778	87	5529	5764	-1452	-1346	15196	417	15613	3216	18829	49.86
17	4822	586	549	5957	827	3886	56	5041	5412	-1431	-1342	14796	390	15186	3208	18394	49.87
18	4905	384	551	5840	773	3941	16	4579	4428	-1223	-1319	13679	467	14146	3088	17234	50.10
19	4860	265	559	5684	729	3693	2	4540	4672	-1034	-1305	13475	354	13829	2891	16720	50.01
20	5037	364	572	5973	869	3869	0	4739	4415	-1124	-1303	13845	482	14327	2842	17169	49.91
21	4923	319	574	5816	1004	3619	0	4825	4890	-1172	-1287	14067	359	14426	2815	17241	49.86
22	4943	234	585	5762	933	3526	0	4781	4761	-1110	-1188	13819	236	14055	2726	16781	49.87
23	4981	236	580	5797	793	3667	0	4960	4915	-983	-1262	13935	148	14083	2698	16781	49.87
24	5008	396	545	5949	765	3669	0	4946	5006	-968	-1245	14169	119	14288	2693	16981	49.91
MUs	123.01	8.09	13.78	144.88	13.14	91.98	1.13	121.84	123.82	-26.91	-28.87	346.34	8.60	354.94	65.34	420.27	49.97

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 28/May/2014

Position as on 6.30 Hrs of 29/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	
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.	
Nasik Unit 3	210	27/05/2014	20.35	29/05/2014	21.30	BLR Validity Extn.	
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 28/May/2014

Position as on 6.30 Hrs of 29/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	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.
Dhule-Sar'Sarovar - I	29/05/2014	01.56	29/05/2014	08.10	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Kalwa - Talegaon (PGCIL)	27/05/2014	16.58	28/05/2014	02.30	Dist.Prot.
Wardha (PG) - Warora - I	29/05/2014	15.40	29/05/2014	17.35	Distance Prot.
Voltage Level : 220KV			Outage Type TRIPPED		
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
Parli-Lonikand -I	29/05/2014	09.38	29/05/2014	13.12	Taken On TBC at Parley end To Attend Hot Spot.
Main Bus - II @ Koradi	29/05/2014	10.25	29/05/2014	15.45	RMW Along With Tan Delta for 400kv CTS & CVTs.
400/220KV,315 MVA ICT-I at BBLSR	29/05/2014	17.53	29/05/2014	20.50	PM Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
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.
Kalyani-Baramati Agro	29/05/2014	08.00	29/05/2014	09.05	Out Insulator Three Jumpers Connection under Jica-2.
Apta-Uran-IV	29/05/2014	08.22	29/05/2014	19.50	Replacement Of Cut point and Suspension Disc Insulator.
Baramati-Kalyani	29/05/2014	09.10	29/05/2014	19.25	Replacement Of Line Insulator Under Jica-2.
Babaleshwar - Alephata	29/05/2014	09.30	29/05/2014	20.54	Fixing Of Vibration Damper.
220/100 KV 125MVA ICT-	29/05/2014	09.40	29/05/2014	15.22	Annual Maintenance Work.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/May/2014

Position as on 6.30 Hrs of 29/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
II @ Borivali					
Jejuri-Jejuri I	29/05/2014	09.41	29/05/2014	15.53	A.M.Work.
220/132 KV, 200 MVA ICT - 6 at Nasik	29/05/2014	09.46	29/05/2014	20.09	Emergency Outage Jump Reconnect Work.
Pirangut - Hinjewadi - II	29/05/2014	11.52	29/05/2014	14.40	Hot Spot Attending Work.
220KV PT bay at Hinjewadi-I	29/05/2014	15.05	29/05/2014	15.45	Emergency tage To Attend R Ph PT Leakage.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Phursungi-Phursungi II	29/05/2014	10.37	29/05/2014	12.57	Half Yearly Maintenance Work.
Yawat - Theur	29/05/2014	11.34	29/05/2014	15.43	Maintenance Work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa - Washi	29/05/2014	06.30	29/05/2014	08.41	Hot Spot Attending Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
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.
Karad - Kolhapur - II	28/05/2014	16.12	29/05/2014	07.22	Over Voltage.
Bhusawal- Aurangabad	28/05/2014	17.53	29/05/2014	07.29	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
Karad-Vita-II	28/05/2014	15.46	28/05/2014	18.31	To attend hot spot.
Voltage Level : 400KV			Outage Type TRIPPED		
Padgha - Nagothane - I	27/05/2014	16.56	28/05/2014	08.31	Dist.Prot.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik - Ghatghar	28/05/2014	15.15	28/05/2014	19.32	Dist.Prot.
Badnera - Deoli (PGCIL)	29/05/2014	15.40	29/05/2014	16.52	Distance Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
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 29/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	160
Unit 7	210	160
	620	320
Bhusawal		
Unit 2	210	125
Unit 3	210	125
Unit 4	500	300
Unit 5	500	420
	1420	970
Parli		
Unit 3	210	0
Unit 4	210	140
Unit 5	210	0
Unit 6	250	178
Unit 7	250	172
	1130	490
Chandrapur		
Unit 1	210	150
Unit 2	210	165
Unit 3	210	160
Unit 4	210	210
Unit 5	500	425
Unit 6	500	380
Unit 7	500	400
	2340	1890
Paras		
Unit 3	250	200
Unit 4	250	250
	500	450
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	0
	630	190
Uran		
All Units	852	520
	852	520
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	1085
WARDHA	405	105
Adani	2640	1823
Other CPPs	300	870
	4545	3883
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	6195
	3455	6195