



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Dec/2014

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.596	3382.101	1) Gujrat	0.907	39.943
2) Hydro	5.764	267.666	2) Madhya Pradesh	10.218	313.939
3) Gas	6.739	244.240	3) Chattisgarh	6.520	167.240
Total MSGENCO	126.099	3894.007	4) Maharashtra Net	78.749	2414.852
B) 1) JSW JAIGAD	18.676	590.142	(Incl. 765kV Solapur-Raichur)	-8.925	-202.464
2) WPCL	2.543	73.909	5) Goa	-4.923	-168.599
3) ADANI	49.890	1375.360	6) TAPS 1&2 Injection	2.492	112.861
4) Other CPP / IPP	23.225	636.720	7) RGPPL Injection	0.000	0.000
5) Wind Generation	11.711	203.773	8) Pench (Excess)	-0.042	-3.210
6) PENCH (MS)	0.042	3.210	# Total Cent. Sector	93.921	2877.026
7) SOLAR	0.996	27.193	F) Other Exchanges		
C) 1) TPCL Thermal	13.932	451.853	1) With TPCL (Excess)	-13.998	-597.124
2) TPCL Hydro	0.663	99.461	G) Bilateral Power *		
TOTAL TPCL	14.595	551.314	1) MSEDCL Bilateral	20.299	693.427
3) REL Thermal	10.396	244.045	Include PX	-1.260	-56.721
D) STATE			2) MUMBAI Bilateral	13.229	523.816
1) Thermal (A1+C1+C3)	137.924	4077.999	Include PX	-1.819	40.153
2) Hydro (A2+B6+C2)	6.469	370.337	3) MUMBAI Schedule	13.229	531.217
3) Gas (A3)	6.739	244.240	H) ENERGY CATERED (MUs)		
4) Wind (B5)	11.711	203.773	1) MSEDCL	313.105	9084.216
5) CPP/IPP (B1+B2+B3+B4)	94.334	2676.131	2) TPCL	23.935	851.616
6) SOLAR (B7)	0.996	27.193	3) REL	15.051	540.128
TOTAL STATE	258.173	7599.673	TOTAL STATE	352.091	10475.960

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4950	5034	4568
MSGENCO Hydro	720	103	102
MSGENCO Gas	285	288	400
MSGENCO Total Generation	5955	5425	5070
Central Sector Receipt	5157	5374	1860
WIND	298	51	893
CPP / IPP	4446	4343	3437
SOLAR	149	93	0
Exchange with Mumbai	-551	-455	-372
MSEDCL DEMAND MET	15454	14831	10888
Load Shedding	67	62	54
MSEDCL DEMAND	15521	14893	10942
TPCL GENERATION	758	691	514
R-INFRA GENERATION	523	475	389
TPCL+R-INFRA DEMAND	1832	1621	1275
STATE DEMAND MET	17286	16452	12163
STATE DEMAND	17353	16514	12217
Frequency (Hz)	49.95	49.93	50.06

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.43 Hz at 23.59 Hrs	49.62 Hz at 09.37 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 28/Dec/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	3.71	91.06	166	0	165
Unit 7	4.06	111.15	177	160	170
Total	7.77	202.22			335
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.92	53.40	165	0	0
Unit 4	10.08	259.27	510	355	365
Unit 5	9.64	249.00	500	350	365
Total	20.64	561.67			730
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.42	99.62	149	137	140
Unit 6	5.45	145.34	250	210	210
Unit 7	1.15	138.43	191	0	0
Total	10.02	383.39			350
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.99	90.67	139	72	140
Unit 3	0.00	0.00	0	0	0
Unit 4	4.02	117.93	190	148	170
Unit 5	9.36	251.21	450	349	350
Unit 6	9.07	242.24	405	351	360
Unit 7	0.00	237.55	0	0	0
Total	25.44	939.60			1020
Paras					
Unit 3	4.60	136.19	209	173	200
Unit 4	4.28	123.14	200	162	200
Total	8.88	259.32			400
Khaparkheda					
Unit 1	3.88	107.62	185	140	180
Unit 2	3.68	105.92	165	130	180
Unit 3	4.73	124.37	210	184	210
Unit 4	4.77	125.48	212	182	210
Unit 5	10.51	244.93	500	396	500
Total	27.57	708.32			1280
Nasik					
Unit 3	4.42	123.97	195	170	200
Unit 4	4.45	83.08	194	180	190
Unit 5	4.42	120.54	193	169	190
Total	13.29	327.58			580
Uran					
All Units	6.74	244.24	400	152	450
Total	6.74	244.24			450
PENCH (MS)					
Pench (MS)	0.04	3.21	24	0	
Total	0.04	3.21			
Koyna					
Stage 1-2	2.92	73.20	445	40	600
Stage 4	0.00	45.06	0	0	250
Stage 3	0.33	25.23	80	0	240
Kovna 12&4 Total	2.92	118.26			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.24	143.49			1090
Hydro					
KDPH	0.00	13.13	0	0	0
VTRNA	0.00	15.83	0	0	0
TILLARI	0.26	9.60	64	0	64
BHTGR/VEER	0.13	0.78	6	5	0
BHIRA T.R.	0.13	5.67	80	0	80
RNGR+BHTSA	0.35	8.66	15	14	15
BHANDARDRA	0.00	5.54	0	0	0
ELDARY	0.00	6.75	0	0	0
SMLHY PTN	0.95	27.85	47	36	12
GHATGHAR	0.70	30.38	125	0	0
Total	2.52	124.18			171
Wind					
MalharPeth	0.27	4.93			
Vankuswadi	0.54	10.68			
ATIT	0.04	1.08			
Kale	0.23	3.85			
Satara	5.87	96.19			
Shirala	0.36	6.02			
K Mahankal	0.02	7.41			
Supa	0.02	2.28			
Vita	1.13	21.91			
Dondaicha	1.61	24.59			
Sakri	0.30	2.74			
Nandurbar	0.51	8.54			
Khandke	0.35	8.17			
Khaparale	0.46	5.38			
Total	11.71	203.77			
CPP					
JSW JAIGAD	18.68	590.14	946	688	855
WARDHA	2.54	73.91	108	104	105
Adani	49.89	1375.36	2440	1700	2468
Other CPPs	23.22	636.72			745
Total	94.33	2676.13			4173
SOLAR					
Total	1.00	27.19			
Total	1.00	27.19			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.74	267.76	475	313	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	0.00	24.33	0	0	0
Trombay 7B	0.00	15.56	0	0	0
Trombay 8	5.19	144.20	251	197	250
TATA Hydro	0.66	99.46	118	0	447
Total	14.60	551.31			1197
REL					
1&2	10.40	244.04	524	385	500
Total	10.40	244.04			500
Cent Sect					
Share					5002
Total					5002
MS PG CL	Thermal	113.60	3382.10		4695
	Thml+Gas	120.34	3626.34		5145
	Hydro	5.76	267.67		1261
	Total	126.10	3894.01		6406
State Total		258.17	7599.67		17278

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/Dec/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	4574	106	340	5020	877	3665	0	2832	2193	-615	-594	11161	85	11246	1493	12739	50.05
2	4560	101	302	4963	879	3481	0	2608	2241	-514	-469	11095	54	11149	1373	12522	49.99
3	4578	102	360	5040	916	3457	0	2429	2107	-446	-409	11111	54	11165	1310	12475	50.08
4	4568	102	400	5070	893	3437	0	2423	1860	-408	-372	10888	54	10942	1275	12217	50.06
5	4595	97	360	5052	979	3452	0	2686	2456	-421	-375	11564	55	11619	1278	12897	49.99
6	4562	97	360	5019	983	3493	0	3309	3188	-483	-445	12238	65	12303	1349	13652	50.00
7	4477	97	307	4881	864	3422	1	3940	4422	-432	-479	13111	87	13198	1406	14604	49.97
8	4507	267	308	5082	835	3680	12	4683	5121	-359	-460	14270	87	14357	1473	15830	49.88
9	4870	119	309	5298	739	4284	52	4809	4740	-409	-396	14717	82	14799	1598	16397	49.81
10	4919	408	301	5628	550	4500	104	4757	4518	-522	-431	14869	71	14940	1749	16689	49.75
11	4900	760	296	5956	460	4459	113	4926	4747	-598	-464	15271	63	15334	1830	17164	49.86
12	4950	720	285	5955	298	4446	149	4943	5157	-658	-551	15454	67	15521	1832	17353	49.95
13	5002	658	290	5950	168	4332	151	4831	5036	-718	-554	15083	147	15230	1828	17058	49.91
14	5031	360	288	5679	114	4349	145	4988	4848	-666	-478	14670	92	14762	1744	16506	50.00
15	5055	169	288	5512	72	4307	116	5002	5014	-611	-432	14589	84	14673	1692	16365	49.99
16	5034	103	288	5425	51	4343	93	5212	5374	-503	-455	14831	62	14893	1621	16514	49.93
17	5023	98	284	5405	51	4302	50	4675	4947	-491	-685	14070	64	14134	1621	15755	49.94
18	4770	111	152	5033	95	4216	10	4088	4203	-516	-751	12806	69	12875	1672	14547	49.98
19	4591	441	153	5185	205	4078	0	4299	4540	-577	-885	13128	67	13195	1873	15068	49.99
20	4657	370	154	5181	277	4088	0	4403	4281	-589	-901	12950	69	13019	1902	14921	49.96
21	4670	117	167	4954	378	3952	0	4182	4089	-589	-957	12416	66	12482	1897	14379	50.02
22	4676	102	208	4986	343	3660	0	3559	3026	-730	-950	11065	63	11128	1859	12987	50.06
23	4624	97	221	4942	356	3474	0	2976	2659	-705	-820	10611	63	10674	1727	12401	50.04
24	4403	162	318	4883	328	3457	0	3106	3154	-668	-685	11137	63	11200	1587	12787	50.22
MUs	113.60	5.76	6.74	126.10	11.71	94.33	1.00	95.67	93.92	-13.23	-14.00	313.10	1.73	314.84	38.99	353.83	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 28/Dec/2014

Position as on 6.30 Hrs of 29/Dec/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	
Koyna Unit 11	80	23/09/2014	02.30		Continued.	Stator Earth Fault	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.(60Days)	
Hydro GhatgharU2	125	23/12/2014	08.30		Continued.	Annual Overhaul	
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	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	economic shutdown	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
Parli Unit 4	210	13/10/2014	10.49		Continued.	Coal Shortage.	
CPP WPCL U-1	135	30/10/2014	00.43		Continued.	ESP Bag Filter Damaged	
CPP IPL U-2	270	30/10/2014	16.16		Continued.	Gen.Diff.Protection operated	
Chandrapur Unit 3	210	12/11/2014	20.58		Continued.	Coal Shortage.	
Tata Trombay 6	500	21/11/2014	21.11		Continued.	Economic Shut Down	
CPP Adani U1	660	08/12/2014	14.45		Continued.	Uproting of turbine steam chest drain line	
Tata Trombay 7B	60	11/12/2014	20.39		Continued.	Mandatory Gas Path Inspection.	
Tata Trombay 7A	120	11/12/2014	21.51		Continued.	Mandatory Gas Path Inspection.	
Bhusawal Unit 3	210	19/12/2014	15.39	28/12/2014	16.40	Boiler Tube Leakage	
CPP JSW (J) U2	300	19/12/2014	16.55		Continued.	No Schedule	
CPP WPCL U-3	135	25/12/2014	14.02		Continued.	ID Fan Problem.	
Uran Unit 5	108	27/12/2014	02.35	28/12/2014	20.15	Stn T/F 1,Trip.	
Chandrapur Unit 7	500	27/12/2014	21.44		Continued.	Boiler Tube Leakage	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 28/Dec/2014

Position as on 6.30 Hrs of 29/Dec/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Uran Unit 7	108	28/12/2014	04.49		Continued.	Gas Shortage.	
Parli Unit 7	250	28/12/2014	06.20		Continued.	Boiler Tube Leakage	
Uran Unit 8	108	28/12/2014	17.20		Continued.	Gas Control Valve Problem.	
Koradi Unit 6	210	28/12/2014	23.06	29/12/2014	04.46	P A Fan Problem.	

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

Position as on 6.30 Hrs of 29/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	21/11/2014	14.51		Continued.	Mumbai Strengthening work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	27/12/2014	16.54	28/12/2014	08.38	Over Voltage
Dhule-Sar'Sarovar - II	27/12/2014	21.52	28/12/2014	08.21	Over Voltage
Kolhapur - Mapusa - II	28/12/2014	16.31		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	28/12/2014	16.46		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	28/12/2014	18.07	29/12/2014	06.46	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	13/12/2014	00.00		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT - I @ Warora	23/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder of B Ph CTR System.
Kalwa - Talegaon	28/12/2014	08.25	28/12/2014	18.59	Replacement of Insulator String.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Ghodbandar	25/11/2014	10.43		Continued.	Erection & Stringing Work.
Ghodbandar - Bhoisor (MSETCL)	25/11/2014	11.36		Continued.	Erection & Stringing Work.
Mulund-GIS Bhandup	28/12/2014	07.23	28/12/2014	12.12	Replacement of damaged strand.
Aarey - Goregaon	28/12/2014	07.46	28/12/2014	11.20	33 KV Crossing work.
Aarey-Versova	28/12/2014	09.30	28/12/2014	11.16	33 KV Crossing Work.
Butibori III-Wardha	28/12/2014	11.23	28/12/2014	15.12	Replacement of B Ph Line Side Isolator Jaw.
Kalwa-Mulund-I	28/12/2014	12.20	28/12/2014	17.05	To Attend RED HOT At R-Phase CT Clamp.
Parli EXT.- GT-II(7) Bay	28/12/2014	12.32	28/12/2014	16.30	Bus-I Isolator B-Phase jaw replacement.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	24/12/2014	16.31		Continued.	Over Voltage,line already out.(4 days outage)
Karad-Jaigad I	27/12/2014	17.18	28/12/2014	10.53	Over Voltage
Bhusawal- Aurangabad	27/12/2014	18.12		Continued.	Over Voltage
Lonikand- Koyna Stage IV	27/12/2014	20.44	28/12/2014	06.51	Over Voltage
Karad - Lonikand	27/12/2014	22.00	28/12/2014	08.51	Over Voltage
Karad-Jaigad I	28/12/2014	16.36		Continued.	HT due to O/V.
Khadka - Aurangabad	28/12/2014	18.04		Continued.	HT Due to O/V.
Lonikand- Koyna Stage IV	28/12/2014	20.35	29/12/2014	06.40	HT Due to O/V
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/100KV 100MVA ICT-I at Vasai	24/12/2014	23.40		Continued.	Differential Relay Faulty
Aurangabad - Babaleshwar	28/12/2014	07.08	28/12/2014	18.08	To Control Aurangabad ICT Over Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
765KV Koradi-III -- Tiroda - II	24/12/2014	15.38		Continued.	Distance Protection
Karad - Kolhapur - II	27/12/2014	21.50	28/12/2014	08.57	Over Voltage

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

Position as on 6.30 Hrs of 29/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
New Koyna - Dabhol - I	28/12/2014	03.02		Continued.	Over Voltage
Karad - Kolhapur - II	28/12/2014	21.51		Continued.	Tripped on O/V.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Dec/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	50
Unit 7	210	150
	620	200
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	500	360
Unit 5	500	360
	1420	870
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	148
Unit 6	250	220
Unit 7	250	0
	1130	368
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	0
Unit 4	210	170
Unit 5	500	380
Unit 6	500	370
Unit 7	500	0
	2340	1060
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	210
Unit 4	210	210
Unit 5	500	500
	1340	1280
Nasik		
Unit 3	210	200
Unit 4	210	190
Unit 5	210	190
	630	580
Uran		
All Units	852	300
	852	300
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	174
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	855
WARDHA	405	108
Adani	2640	2468
Other CPPs	300	745
	4545	4176
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1197
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5166
	3455	5166

	21940	17361
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