



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Dec/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Dec/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.296	3205.720	1) Gujrat	3.985	354.106
2) Hydro	12.797	485.290	2) Madhya Pradesh	18.358	522.081
3) Gas	6.141	182.972	3) Chattisgarh	10.150	288.360
Total MSGENCO	135.234	3873.982	4) Maharashtra	69.439	2126.487
B) 1) JSW JAIGAD	18.356	532.175	5) Goa	-5.210	-158.863
2) WPCL	5.637	205.967	6) TAPS 1&2 Injection	7.322	122.549
3) ADANI	39.370	909.730	7) RGPPL Injection	1.422	145.632
4) Other CPP / IPP	13.624	287.118	8) Pench (Excess)	-0.448	-12.580
5) Wind Generation	1.877	112.891	# Total Cent. Sector	105.018	3387.772
6) PENCH (MS)	0.448	12.580	F) Other Exchanges		
7) SOLAR	0.692	23.535	1) With TPCL (Excess)	-9.814	-453.814
C) 1) TPCL Thermal	17.339	526.038	G) Bilateral Power *		
2) TPCL Hydro	0.658	114.762	1) MSEDCL Bilateral	10.837	701.178
TOTAL TPCL	17.997	640.800	Include PX	-3.969	-14.033
3) REL Thermal	11.371	329.508	2) MUMBAI Bilateral	12.184	433.667
D) STATE			Include PX	1.550	48.277
1) Thermal (A1+C1+C3)	145.006	4061.266	3) MUMBAI Schedule	12.184	436.465
2) Hydro (A2+B6+C2)	13.903	612.632	H) ENERGY CATERED (MUs)		
3) Gas (A3)	6.141	182.972	1) MSEDCL	310.442	8891.936
4) Wind (B5)	1.877	112.891	2) TPCL	25.212	928.188
5) CPP/IPP (B1+B2+B3+B4)	76.987	1064.630	3) REL	13.968	495.896
6) SOLAR (B7)	0.692	23.535	TOTAL STATE	349.622	10316.020
TOTAL STATE	244.606	6057.926			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 1 Hrs
MSGENCO Thermal	5015	4853	4648
MSGENCO Hydro	1645	630	149
MSGENCO Gas	252	252	265
MSGENCO Total Generation	6912	5735	5062
Central Sector Receipt	4846	4745	3976
WIND	71	36	95
CPP / IPP	3471	3446	2758
SOLAR	122	28	0
Exchange with Mumbai	-366	-282	-492
MSEDCL DEMAND MET	15056	13759	11399
Load Shedding	809	511	8
MSEDCL DEMAND	15865	14270	11407
TPCL GENERATION	952	840	592
R-INFRA GENERATION	527	525	400
TPCL+R-INFRA DEMAND	1845	1647	1484
STATE DEMAND MET	16901	15406	12883
STATE DEMAND	17710	15917	12891
Frequency (Hz)	50.04	50.10	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.48 Hz at 15.58 Hrs	49.69 Hz at 07.10 Hrs	50.07	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 29/Dec/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	45.77	0	0	0
Unit 6	0.00	78.03	0	0	0
Unit 7	0.00	94.30	0	0	0
Total	0.00	218.10			0
Bhusawal					
Unit 2	3.32	92.40	145	135	140
Unit 3	3.30	93.30	150	130	150
Unit 4	8.52	134.43	385	320	355
Unit 5	4.50	122.68	255	0	0
Total	19.63	442.80			645
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.68	111.16	175	137	152
Unit 5	3.70	97.42	166	142	156
Unit 6	4.15	124.27	182	157	166
Unit 7	3.93	119.44	175	154	155
Total	15.45	452.29			629
Chandrapur					
Unit 1	3.31	92.96	142	132	140
Unit 2	3.31	67.38	143	135	140
Unit 3	4.21	103.64	189	162	170
Unit 4	4.38	117.88	198	160	175
Unit 5	0.00	0.00	0	0	0
Unit 6	9.53	248.83	425	354	360
Unit 7	9.74	261.16	440	355	360
Total	34.48	891.83			1345
Paras					
Unit 3	4.98	125.66	242	179	220
Unit 4	5.25	149.36	254	194	250
Total	10.23	275.02			470
Khaparkheda					
Unit 1	3.53	69.11	165	115	140
Unit 2	3.28	59.56	155	100	130
Unit 3	3.83	83.11	168	148	190
Unit 4	3.42	110.94	158	0	160
Unit 5	9.59	256.38	455	352	450
Total	23.65	579.10			1070
Nasik					
Unit 3	4.30	110.28	195	170	190
Unit 4	4.29	123.05	190	171	190
Unit 5	4.27	113.24	190	166	190
Total	12.86	346.58			570
Uran					
All Units	6.14	182.97	270	240	270
Total	6.14	182.97			270
PENCH (MS)					
Pench (MS)	0.45	12.58	53	0	
Total	0.45	12.58			
Koyna					
Stage 1-2	3.58	116.47	500	40	600
Stage 4	2.90	172.89	504	0	250
Stage 3	1.44	61.82	240	0	320
Kovna 12&4 Total	6.48	289.36			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.92	351.17			1170
Hydro					
KDPH	0.45	12.58	19	18	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.04	1.80	2	1	4
BHIRA T.R.	0.10	6.52	43	0	40
RNGR+BHTSA	0.38	11.00	16	15	15
BHANDARDRA	0.57	12.76	24	23	24
ELDARY	0.36	2.77	16	14	15
SMLHY PTN	0.93	29.80	46	36	0
GHATGHAR	2.04	56.88	240	0	0
Total	4.88	134.12			116
Wind					
MalharPeth	0.06	6.78			
Vankuswadi	0.10	13.42			
ATIT	0.00	4.94			
Kale	0.02	4.80			
Satara	0.70	40.20			
Shirala	0.01	4.77			
K Mahankal	0.02	2.15			
Supa	0.06	1.70			
Vita	0.16	11.38			
Dondaicha	0.52	12.96			
Sakri	0.06	1.41			
Nandurbar	0.03	1.00			
Khandke	0.06	4.19			
Khaparale	0.07	3.18			
Total	1.88	112.89			
CPP					
JSW JAIGAD	18.36	532.18	859	706	822
WARDHA	5.64	205.97	241	228	238
Adani	39.37	909.73	1830	1270	1851
Other CPPs	13.62	287.04			245
Total	76.99	1934.91			3156
SOLAR					
Total	0.69	23.54			
Total	0.69	23.54			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.86	299.04	501	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.20	37.84	50	49	120
Trombay 7B	0.97	30.58	41	39	60
Trombay 8	5.31	158.58	252	185	250
TATA Hydro	0.66	114.76	120	0	447
Total	18.00	640.80			1377
REL					
1&2	11.37	329.51	527	389	500
Total	11.37	329.51			500
Cent Sect					
Share					4754
Total					4754
MS PG CL	Thermal	116.30	3205.72		4729
	Thml+Gas	122.44	3388.69		4999
	Hydro	12.80	485.29		1286
	Total	135.23	3873.98		6285
State Total		244.61	6057.93		16072

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/Dec/2013

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	4648	149	265	5062	95	2758	0	4108	3976	-644	-492	11399	8	11407	1484	12891	49.99
2	4616	150	265	5031	104	2763	0	4052	4169	-602	-360	11707	14	11721	1352	13073	50.11
3	4620	160	266	5046	112	2752	0	3986	3976	-571	-295	11591	14	11605	1288	12893	50.08
4	4674	156	266	5096	113	2743	0	4012	3976	-590	-254	11674	14	11688	1247	12935	50.18
5	4664	152	265	5081	91	2749	0	4242	4201	-596	-266	11856	14	11870	1258	13128	50.11
6	4738	152	266	5156	110	2947	0	4753	4778	-583	-329	12662	88	12750	1323	14073	50.05
7	4888	157	267	5312	116	3327	0	4535	4749	-531	-369	13135	372	13507	1398	14905	50.03
8	5005	402	265	5672	95	3448	7	4453	4491	-433	-174	13552	952	14504	1461	15965	49.85
9	5041	739	266	6046	63	3414	51	4455	4569	-406	-159	14022	891	14913	1574	16487	49.91
10	5030	1334	268	6632	64	3413	64	4664	4792	-413	-297	14696	712	15408	1714	17122	49.98
11	5036	1541	270	6847	57	3462	80	4746	4850	-441	-388	14918	699	15617	1819	17436	50.02
12	5015	1645	252	6912	71	3471	122	4756	4846	-471	-366	15056	809	15865	1845	17710	50.04
13	4995	1377	251	6623	68	3405	90	4751	4700	-439	-450	14489	930	15419	1864	17283	50.11
14	5000	1093	252	6345	53	3428	100	4741	4754	-425	-393	14338	805	15143	1776	16919	50.10
15	5069	854	250	6173	27	3425	104	4656	4855	-424	-329	14306	644	14950	1703	16653	50.13
16	5024	912	250	6186	38	3405	43	4531	4954	-421	-281	14396	571	14967	1647	16614	50.11
17	4853	630	252	5735	36	3446	28	4539	4745	-459	-282	13759	511	14270	1647	15917	50.10
18	4831	203	251	5285	23	3399	3	4583	4166	-456	-333	12596	439	13035	1704	14739	50.11
19	4805	178	243	5226	20	3504	0	4751	4741	-477	-450	13065	159	13224	1887	15111	50.06
20	4830	182	242	5254	34	3441	0	4797	4756	-502	-472	13038	171	13209	1939	15148	50.05
21	4880	152	244	5276	98	3438	0	4436	4333	-454	-728	12417	110	12527	1936	14463	50.16
22	4786	162	242	5190	132	3222	0	4482	4190	-509	-864	11870	49	11919	1867	13786	50.18
23	4640	156	243	5039	134	2889	0	4110	4236	-674	-759	11539	2	11541	1742	13283	50.06
24	4608	161	240	5009	123	2738	0	4203	4215	-662	-724	11361	5	11366	1707	13073	50.27
MUs	116.30	12.80	6.14	135.23	1.88	76.99	0.69	107.34	108.02	-12.18	-9.81	313.44	8.98	322.42	39.18	361.61	50.07

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 29/Dec/2013

Position as on 6.30 Hrs of 30/Dec/2013

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	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Condenser replacement work.	
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	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
Uran Unit 5	108	25/11/2013	21.33		Continued.	Gas Shortage.	
CPP WPCL U-2	135	13/12/2013	13.17		Continued.	ID Fan problem	
Koradi Unit 5	200	19/12/2013	01.29		Continued.	I D Fan Problem.	
Uran Unit 7	108	19/12/2013	12.21		Continued.	Gas Shortage.	
CPP WPCL U-4	135	22/12/2013	00:07		Continued.	Generation Water Cooler Leakage.	
Koradi Unit 7	210	27/12/2013	15.14		Continued.	Boiler Tube Leakage	
Koradi Unit 6	210	27/12/2013	18.30		Continued.	Boiler Tube Leakage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Bhusawal Unit 5	500	29/12/2013	15.46	29/12/2013	19.41	Flame Failure	
Khaparkheda Unit 4	210	29/12/2013	22.41		Continued.	Boiler Tube Leakage	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Dec/2013

Position as on 6.30 Hrs of 30/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kolhapur-Solapur (PG) II	27/12/2013	15.45	29/12/2013	12.46	OVER VOLTAGE
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Voltage Level : 400KV			Outage Type HAND TRIPPED		
A'bad-Talegaon PG-1	07/12/2013	10.12		Continued.	Over Voltage,(Ready for charging)
Kolhapur-Mapusa-II	28/12/2013	16.40	29/12/2013	09.47	Over Voltage
Dhule-Sar'Sarovar - II	28/12/2013	21.29	29/12/2013	08.55	Over Voltage
Kolhapur - Mapusa - II	29/12/2013	16.07		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	29/12/2013	21.39		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	29/12/2013	22.28		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	05/12/2013	19.30		Continued.	To control wardha-Yeotmal O/L
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	29/12/2013	21.39		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132 KV 200 MVA ICT - II @ Khadka	11/11/2013	09.07		Continued.	Replacement of Old 200 MVA ICT Under LES Upto 04/01/2014.
Dabhol - Nagothane - I	12/12/2013	10.48		Continued.	Testing Work.RFC 19.10 Hrs.of 12.12.2013
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Pusad-Nanded	05/12/2013	06.03		Continued.	220KV Ghatodi S/S LILO Work.
Ghodbandar - Bhoisor (MSETCL)	07/12/2013	10.38		Continued.	MUMBAI STRENGTENING WORK
Ahmadnagar-Bose II	16/12/2013	16.13		Continued.	To attend discrepancies during joint inspection
Nerul -Sonkhar	25/12/2013	09.10		Continued.	Height raising of tower at Uran-JNPT road due to const.of Fly Over Bridge.
Tifil-Trombay	27/12/2013	10.35		Continued.	STRINING OF DOUBLE CKT CONDUCTOR & BUNCHING WORK
Kalwa - Khargar	27/12/2013	9.13		Continued.	stringing of double ckt conductors & bunching work
Main Bus-II at 220 KV Kalwa.	29/12/2013	06.56	29/12/2013	19.26	Stub Bus R,Y,B Phase Conductor Replacement
Borivali-Tata Borivali 4	29/12/2013	10.31	29/12/2013	15.38	Guardwire stringing MSETCL end
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Bhusawal - Deepnagar - II	03/12/2013	12.08		Continued.	Over Voltage.
Deepnagar-Waluj I	03/12/2013	12:08		Continued.	Over Voltage.
Bhusawal- Aurangabad	26/12/2013	17.05	29/12/2013	08.53	OVER VOLTAGE
Karad-Jaigad I	28/12/2013	16.57	29/12/2013	08.52	Over Voltage
Karad - Kolhapur - I	28/12/2013	21.44	29/12/2013	08.48	Over Voltage
Lonikand- Koyna Stage IV	28/12/2013	22.01	29/12/2013	08.55	Over Voltage
Karad - Kolhapur - II	29/12/2013	16.06		Continued.	Over Voltage
Karad-Jaigad I	29/12/2013	16.36		Continued.	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Dec/2013

Position as on 6.30 Hrs of 30/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	29/12/2013	17.53		Continued.	Over Voltage
Lonikand- Koyna Stage IV	29/12/2013	21.44		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	17/11/2013	18.00		Continued.	To control Paras-Chikhali line loading
Chikhali - Jalna - II	17/11/2013	18.00		Continued.	To control Paras-Chikhali line loading
Voltage Level : 400KV			Outage Type TRIPPED		
Sinnar-BBLSR II	29/12/2013	12.05	29/12/2013	13.34	Tripped
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Dec/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	0
	620	0
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	340
Unit 5	500	0
	1420	620
Parli		
Unit 3	210	0
Unit 4	210	155
Unit 5	210	145
Unit 6	250	175
Unit 7	250	155
	1130	630
Chandrapur		
Unit 1	210	140
Unit 2	210	140
Unit 3	210	170
Unit 4	210	205
Unit 5	500	0
Unit 6	500	380
Unit 7	500	380
	2340	1415
Paras		
Unit 3	250	210
Unit 4	250	220
	500	430
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	190
Unit 4	210	0
Unit 5	500	450
	1340	980
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	235
	852	235
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	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	16
BHANDARDRA	45	23
ELDARY	23	15
SMLHY PTN	12	12
GHATGHAR	250	0
	611	126
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	820
WARDHA	405	238
Adani	1980	1851
Other CPPs	300	245
	3885	3154
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5094
	3455	5094