



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Dec/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Dec/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	119.182	2973.711	1) Gujrat	11.085	343.023
2) Hydro	10.649	459.647	2) Madhya Pradesh	17.981	485.908
3) Gas	6.543	170.285	3) Chattisgarh	8.960	268.280
Total MSGENCO	136.374	3603.643	4) Maharashtra	66.321	1987.627
B) 1) JSW JAIGAD	19.403	494.443	5) Goa	-5.702	-148.032
2) WPCL	5.624	194.620	6) TAPS 1&2 Injection	6.846	108.167
3) ADANI	40.180	830.270	7) RGPPL Injection	6.561	137.588
4) Other CPP / IPP	14.276	259.075	8) Pench (Excess)	-0.507	-12.026
5) Wind Generation	2.319	109.859	# Total Cent. Sector	111.545	3170.535
6) PENCH (MS)	0.507	12.026	F) Other Exchanges		
7) SOLAR	0.678	22.230	1) With TPCL (Excess)	-16.942	-429.569
C) 1) TPCL Thermal	17.478	491.440	G) Bilateral Power *		
2) TPCL Hydro	3.696	111.757	1) MSEDCL Bilateral	13.779	677.223
TOTAL TPCL	21.174	603.197	Include PX	-2.583	-8.349
3) REL Thermal	11.509	306.935	2) MUMBAI Bilateral	14.626	407.428
D) STATE			Include PX	1.813	45.466
1) Thermal (A1+C1+C3)	148.169	3772.086	3) MUMBAI Schedule	14.626	410.227
2) Hydro (A2+B6+C2)	14.852	583.430	H) ENERGY CATERED (MUs)		
3) Gas (A3)	6.543	170.285	1) MSEDCL	313.964	8267.132
4) Wind (B5)	2.319	109.859	2) TPCL	32.816	873.331
5) CPP/IPP (B1+B2+B3+B4)	79.483	988.318	3) REL	16.809	466.334
6) SOLAR (B7)	0.678	22.230	TOTAL STATE	363.589	9606.797
TOTAL STATE	252.044	5646.208			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5095	5024	4861
MSGENCO Hydro	1268	573	159
MSGENCO Gas	272	271	279
MSGENCO Total Generation	6635	5868	5299
Central Sector Receipt	5112	4810	3896
WIND	50	45	152
CPP / IPP	3442	3497	2912
SOLAR	114	29	0
Exchange with Mumbai	-901	-822	-392
MSEDCL DEMAND MET	14505	13474	11867
Load Shedding	827	495	13
MSEDCL DEMAND	15332	13969	11880
TPCL GENERATION	1208	1093	593
R-INFRA GENERATION	525	524	407
TPCL+R-INFRA DEMAND	2634	2439	1392
STATE DEMAND MET	17139	15913	13259
STATE DEMAND	17966	16408	13272
Frequency (Hz)	49.94	50.00	50.10

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.46 Hz at 15.59 Hrs	49.48 Hz at 18.19 Hrs	49.99	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/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	2.64	78.03	165	0	115
Unit 7	2.35	94.30	170	0	155
Total	4.99	218.10			270
Bhusawal					
Unit 2	3.30	85.75	145	120	130
Unit 3	3.32	86.62	155	125	134
Unit 4	8.26	117.56	400	290	330
Unit 5	4.98	112.50	250	155	
Total	19.86	402.43			594
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.47	103.89	160	132	145
Unit 5	3.63	89.89	163	138	145
Unit 6	4.13	116.19	189	158	166
Unit 7	3.80	111.63	168	150	160
Total	15.03	421.60			616
Chandrapur					
Unit 1	3.34	86.55	147	130	133
Unit 2	3.26	60.87	143	128	133
Unit 3	4.24	95.35	193	146	179
Unit 4	4.76	108.99	209	178	187
Unit 5	0.00	0.00	0	0	0
Unit 6	9.74	230.05	440	360	391
Unit 7	8.91	242.10	422	308	372
Total	34.25	823.91			1395
Paras					
Unit 3	4.81	115.66	225	183	230
Unit 4	4.87	138.67	236	188	230
Total	9.69	254.32			460
Khaparkheda					
Unit 1	2.84	62.46	140	95	160
Unit 2	2.69	53.58	150	66	141
Unit 3	3.86	75.48	180	147	171
Unit 4	3.68	103.58	169	145	182
Unit 5	9.71	237.28	440	357	475
Total	22.78	532.38			1129
Nasik					
Unit 3	4.20	101.74	185	170	190
Unit 4	4.12	114.51	185	153	190
Unit 5	4.27	104.73	190	164	190
Total	12.60	320.97			570
Uran					
All Units	6.54	170.28	279	267	330
Total	6.54	170.28			330
PENCH (MS)					
Pench (MS)	0.51	12.03	53	0	
Total	0.51	12.03			
Koyna					
Stage 1-2	2.97	110.84	450	40	600
Stage 4	1.59	165.97	400	0	250
Stage 3	0.81	58.79	160	0	320
Kovna 12&4 Total	4.56	276.81			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.37	335.59			1170
Hydro					
KDPH	0.46	11.67	19	18	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.05	1.72	2	2	2
BHIRA T.R.	0.20	6.32	40	0	40
RNGR+BHTSA	0.36	10.25	15	15	16
BHANDARDRA	0.72	11.60	30	30	30
ELDARY	0.35	2.06	15	14	15
SMLHY PTN	0.98	27.93	48	38	18
GHATGHAR	2.18	52.52	250	0	0
Total	5.28	124.05			139
Wind					
MalharPeth	0.10	6.65			
Vankuswadi	0.16	13.20			
ATIT	0.00	4.93			
Kale	0.06	4.76			
Satara	0.81	38.94			
Shirala	0.05	4.75			
K Mahankal	0.02	2.11			
Supa	0.07	1.61			
Vita	0.15	11.10			
Dondaicha	0.39	12.38			
Sakri	0.05	1.34			
Nandurbar	0.04	0.94			
Khandke	0.38	4.07			
Khaparale	0.03	3.06			
Total	2.32	109.86			
CPP					
JSW JAIGAD	19.40	494.44	900	700	860
WARDHA	5.62	194.62	240	228	238
Adani	40.18	830.27	1830	1370	1851
Other CPPs	14.28	259.00			245
Total	79.48	1778.33			3194
SOLAR					
Total	0.68	22.23			
Total	0.68	22.23			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.95	279.36	502	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.19	35.45	50	49	120
Trombay 7B	0.98	28.64	41	40	60
Trombay 8	5.36	147.99	251	187	250
TATA Hydro	3.70	111.76	411	0	447
Total	21.17	603.20			1377
REL					
1&2	11.51	306.94	527	404	500
Total	11.51	306.94			500
Cent Sect					
Share					5043
Total					5043
MS PG CL	Thermal	119.18	2973.71		5034
	Thml+Gas	125.72	3144.00		5364
	Hydro	10.65	459.65		1309
	Total	136.37	3603.64		6673
State Total		252.04	5646.21		16787

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/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	4842	158	279	5279	183	2950	0	4151	4044	-544	-589	11867	6	11873	1587	13460	50.07
2	4809	159	279	5247	151	2909	0	3859	4096	-430	-468	11935	13	11948	1470	13418	50.06
3	4861	159	279	5299	152	2912	0	3738	3896	-383	-392	11867	13	11880	1392	13272	50.10
4	4840	159	279	5278	162	2904	0	3732	3938	-377	-363	11919	13	11932	1369	13301	50.00
5	4838	159	270	5267	131	2865	0	3982	4163	-374	-360	12066	13	12079	1359	13438	50.06
6	4899	159	279	5337	124	3158	0	4698	4283	-419	-446	12456	72	12528	1448	13976	50.00
7	5077	158	279	5514	139	3344	0	4691	4783	-420	-503	13277	347	13624	1578	15202	50.03
8	5048	249	267	5564	161	3394	3	4820	4724	-413	-350	13549	916	14465	1753	16218	49.85
9	4962	762	271	5995	146	3486	33	4890	5651	-440	-445	14913	876	15789	2053	17842	49.78
10	4981	1213	272	6466	125	3584	63	4881	4809	-549	-624	14473	724	15197	2388	17585	49.79
11	5008	1267	273	6548	92	3491	91	5086	5161	-790	-853	14581	727	15308	2586	17894	49.89
12	5095	1268	272	6635	50	3442	114	5140	5112	-828	-901	14505	827	15332	2634	17966	49.94
13	5151	929	272	6352	22	3517	116	5159	5181	-793	-934	14305	934	15239	2631	17870	50.03
14	5223	520	270	6013	28	3545	87	5115	5034	-720	-821	13939	826	14765	2472	17237	50.00
15	5206	613	273	6092	27	3539	77	5025	5147	-705	-848	14057	623	14680	2474	17154	50.03
16	5070	818	273	6161	18	3483	64	4877	5127	-702	-769	14134	550	14684	2455	17139	49.99
17	5024	573	271	5868	45	3497	29	4895	4810	-704	-822	13474	495	13969	2439	16408	50.00
18	5085	227	270	5582	47	3478	1	4908	4265	-724	-908	12478	438	12916	2430	15346	49.93
19	5010	198	269	5477	44	3597	0	5142	4880	-841	-926	13072	159	13231	2513	15744	49.79
20	4903	208	269	5380	96	3535	0	5030	4822	-744	-871	12978	147	13125	2490	15615	49.92
21	4952	209	273	5434	98	3507	0	4639	4708	-714	-1057	12690	85	12775	2325	15100	50.08
22	4908	167	267	5342	103	3399	0	4333	4172	-631	-1042	11974	35	12009	2126	14135	50.10
23	4704	158	268	5130	113	3097	0	4359	4365	-697	-913	11792	0	11792	1917	13709	50.08
24	4686	159	269	5114	62	2850	0	4474	4374	-684	-737	11663	2	11665	1736	13401	50.13
MUs	119.18	10.65	6.54	136.37	2.32	79.48	0.68	111.62	111.54	-14.63	-16.94	313.96	8.84	322.80	49.62	372.43	49.99

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/Dec/2013

Position as on 6.30 Hrs of 28/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	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Dec/2013

Position as on 6.30 Hrs of 28/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		Continued.	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 FORCED OUTAGE		
Kolhapur - Mapusa - I	26/12/2013	16.33	27/12/2013	9.09	OVER VOLTAGE
Talegaon(PG) - Parli (PG) - I	27/12/2013	06.25	27/12/2013	09.18	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
A'bad-Talegaon PG-1	07/12/2013	10.12		Continued.	Over Voltage,(Ready for charging)
765 KV Seoni-Wardha-II	10/12/2013	1:24		Continued.	H/T TO CONTROL O/V
Kolhapur-Solapur(PGCIL)-I	17/12/2013	16.15	27/12/2013	15.39	Over Voltage.
Solapur - Solapur (PG)	26/12/2013	20.25	27/12/2013	06.50	Over Voltage.
Dhule-Sar'Sarovar - I	27/12/2013	00.20	27/12/2013	7.54	Over Voltage.
Kolhapur - Mapusa - II	27/12/2013	16.39		Continued.	OVER VOLTAGE
Dhule-Sar'Sarovar - I	28/12/2013	00.46		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
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.
400/220KV 315 MVA ICT-I @ Padgha	26/11/2013	10.25		Continued.	Taken on TBC LV Side
Dabhol - Nagothane - I	12/12/2013	10.48		Continued.	Testing Work.RFC 19.10 Hrs.of 12.12.2013
400/220 KV 315 MVA ICT-III @ Padgha	19/12/2013	10.22		Continued.	Taken on TBC,servicing and overhauling of 400KV A bus PG isolator of R.Y.B-Ph.
Talegaon PG - Aurangabad - II	27/12/2013	09.47	27/12/2013	19.08	Strengthening work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37	27/12/2013	16.45	Modification of existing Khadka-Chalisgaon line.
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
220/132 KV 150 MVA T/F-I @ Boiser	10/12/2013	13.04		Continued.	Vaccum and drying process due to moisture in WDG.of ICT.
Trombay-Dharavi	16/12/2013	09.34		Continued.	Erection of Cable ceiling end and Tugh Bus removal at Trombay
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.
Mudshingi - Peth	27/12/2013	10.02	27/12/2013	18.17	Insulator replacement
Talangade-sawantwadi 1	27/12/2013	10.32	27/12/2013	12.04	insulator replacement
Tifil-Trombay	27/12/2013	10.35		Continued.	STRINING OF DOUBLE CKT CONDUTOR & BUNCHING WORK

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Dec/2013

Position as on 6.30 Hrs of 28/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Apta - ACCIL	27/12/2013	10.39	27/12/2013	17.22	Hot Spot
Bhusawal-Chalisgaon-I	27/12/2013	10.53	27/12/2013	16.45	removal of jumper
Giravali- Parly U-8	27/12/2013	15.37	27/12/2013	15.38	FIRST TIME CHARGE
Parly U-8- Nanded	27/12/2013	15.40	27/12/2013	15.41	FIRST TIME CHARGE
Kharghar - Tifil	27/12/2013	19.07	27/12/2013	19.08	MUMBAI STRENGTHENING WORK
Kalwa - Khargar	27/12/2013	9.13		Continued.	stringing of double ckt conductors & bunching work
Girwali-Nanded	27/12/2013	9.22	27/12/2013	15.38	removing of jumper
Padgha-Vasai	27/12/2013	9.41	27/12/2013	15.45	Hot Spot
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.
Karad - Kolhapur - II	08/12/2013	16.36	27/12/2013	15.07	OVER VOLTAGE
Sinnar-BBLSR II	25/12/2013	14.31	27/12/2013	21.13	H/T.
Karad-Jaigad I	26/12/2013	16.33	27/12/2013	9.06	OVER VOLTAGE
Bhusawal- Aurangabad	26/12/2013	17.05		Continued.	OVER VOLTAGE
Lonikand-Stage4	26/12/2013	22.23	27/12/2013	8.33	OVER VOLTAGE
Karad - Kolhapur - I	27/12/2013	16.05		Continued.	OVER VOLTAGE
Karad-Jaigad I	27/12/2013	20.15		Continued.	OVER VOLTAGE
Lonikand- Koyna Stage IV	27/12/2013	21.56		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 : 220KV			Outage Type TRIPPED		
Talange - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Trombay-Sonkhar II	27/12/2013	05.17	27/12/2013	05.58	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/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	150
Unit 3	210	150
Unit 4	500	376
Unit 5	500	
	1420	676
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	160
Unit 6	250	160
Unit 7	250	160
	1130	640
Chandrapur		
Unit 1	210	140
Unit 2	210	135
Unit 3	210	175
Unit 4	210	165
Unit 5	500	0
Unit 6	500	375
Unit 7	500	360
	2340	1350
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	190
Unit 4	210	200
Unit 5	500	450
	1340	1180
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	270
	852	270
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	30
ELDARY	23	10
SMLHY PTN	12	15
GHATGHAR	250	0
	611	131
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	822
WARDHA	405	238
Adani	1980	1851
Other CPPs	300	245
	3885	3156
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	5305
	3455	5305