



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Dec/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Dec/2013 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.713	3089.424	1) Gujrat	7.098	350.121
2) Hydro	12.846	472.493	2) Madhya Pradesh	17.815	503.723
3) Gas	6.546	176.831	3) Chattisgarh	9.930	278.210
Total MSGENCO	135.105	3738.748	4) Maharashtra	69.421	2057.048
B) 1) JSW JAIGAD	19.376	513.819	5) Goa	-5.621	-153.653
2) WPCL	5.710	200.330	6) TAPS 1&2 Injection	7.060	115.227
3) ADANI	40.090	870.360	7) RGPPL Injection	6.622	144.210
4) Other CPP / IPP	14.419	273.494	8) Pench (Excess)	-0.106	-12.132
5) Wind Generation	1.155	111.014	# Total Cent. Sector	112.219	3282.754
6) PENCH (MS)	0.106	12.132	F) Other Exchanges		
7) SOLAR	0.613	22.843	1) With TPCL (Excess)	-14.431	-444.000
C) 1) TPCL Thermal	17.259	508.699	G) Bilateral Power *		
2) TPCL Hydro	2.347	114.104	1) MSEDCL Bilateral	13.119	690.341
TOTAL TPCL	19.606	622.803	Include PX	-1.716	-10.065
3) REL Thermal	11.202	318.137	2) MUMBAI Bilateral	14.054	421.482
			Include PX	1.262	46.728
D) STATE			3) MUMBAI Schedule	14.054	424.281
1) Thermal (A1+C1+C3)	144.174	3916.260	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B6+C2)	15.299	598.729	1) MSEDCL	314.362	8581.494
3) Gas (A3)	6.546	176.831	2) TPCL	29.645	902.976
4) Wind (B5)	1.155	111.014	3) REL	15.594	481.928
5) CPP/IPP (B1+B2+B3+B4)	79.595	1027.733	TOTAL STATE	359.601	9966.398
6) SOLAR (B7)	0.613	22.843			
TOTAL STATE	247.382	5853.410			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4900	5013	4673
MSGENCO Hydro	1528	770	153
MSGENCO Gas	291	268	278
MSGENCO Total Generation	6719	6051	5104
Central Sector Receipt	5146	4735	4028
WIND	23	26	104
CPP / IPP	3590	3586	2874
SOLAR	129	22	0
Exchange with Mumbai	-723	-534	-414
MSEDCL DEMAND MET	14884	13886	11696
Load Shedding	903	555	13
MSEDCL DEMAND	15787	14441	11709
TPCL GENERATION	1095	1038	593
R-INFRA GENERATION	526	524	404
TPCL+R-INFRA DEMAND	2344	2096	1411
STATE DEMAND MET	17228	15982	13107
STATE DEMAND	18131	16537	13120
Frequency (Hz)	49.94	49.93	50.13

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.53 Hz at 04.59 Hrs	49.67 Hz at 09.15 Hrs	50	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/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	3.34	89.08	145	130	150
Unit 3	3.38	90.00	145	130	150
Unit 4	8.36	125.92	385	315	376
Unit 5	5.68	118.18	260	210	0
Total	20.74	423.17			676
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.59	107.48	166	137	160
Unit 5	3.83	93.72	166	155	160
Unit 6	3.94	120.12	169	159	160
Unit 7	3.88	115.51	175	156	160
Total	15.24	436.84			640
Chandrapur					
Unit 1	3.10	89.65	140	123	140
Unit 2	3.20	64.07	145	127	135
Unit 3	4.08	99.43	185	145	175
Unit 4	4.50	113.49	207	159	165
Unit 5	0.00	0.00	0	0	0
Unit 6	9.24	239.30	420	335	375
Unit 7	9.32	251.42	432	315	360
Total	33.44	857.36			1350
Paras					
Unit 3	5.02	120.68	240	186	200
Unit 4	5.44	144.11	258	190	200
Total	10.47	264.79			400
Khaparkheda					
Unit 1	3.12	65.58	165	100	180
Unit 2	2.71	56.28	145	85	160
Unit 3	3.80	79.28	174	150	190
Unit 4	3.93	107.51	187	149	200
Unit 5	9.52	246.79	435	345	450
Total	23.07	555.45			1180
Nasik					
Unit 3	4.26	105.99	190	165	190
Unit 4	4.24	118.75	185	170	190
Unit 5	4.25	108.98	192	167	190
Total	12.74	333.72			570
Uran					
All Units	6.55	176.83	296	264	270
Total	6.55	176.83			270
PENCH (MS)					
Pench (MS)	0.11	12.13	40	0	0
Total	0.11	12.13			0
Koyna					
Stage 1-2	2.05	112.89	380	40	600
Stage 4	4.02	169.99	841	0	250
Stage 3	1.59	60.38	236	0	320
Kovna 12&4 Total	6.07	282.88			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.66	343.26			1170
Hydro					
KDPH	0.46	12.12	19	18	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.04	1.76	2	1	2
BHIRA T.R.	0.09	6.42	40	0	40
RNGR+BHTSA	0.36	10.61	16	15	16
BHANDARDRA	0.59	12.19	25	24	30
ELDARY	0.36	2.41	15	13	10
SMLHY PTN	0.95	28.88	47	36	15
GHATGHAR	2.32	54.85	250	0	0
Total	5.18	129.24			131
Wind					
MalharPeth	0.07	6.72			
Vankuswadi	0.11	13.32			
ATIT	0.01	4.94			
Kale	0.02	4.78			
Satara	0.56	39.50			
Shirala	0.01	4.76			
K Mahankal	0.02	2.14			
Supa	0.02	1.63			
Vita	0.12	11.22			
Dondaicha	0.06	12.44			
Sakri	0.01	1.35			
Nandurbar	0.03	0.97			
Khandke	0.06	4.13			
Khaparale	0.04	3.10			
Total	1.16	111.01			
CPP					
JSW JAIGAD	19.38	513.82	904	701	822
WARDHA	5.71	200.33	241	234	238
Adani	40.09	870.36	1830	1290	1851
Other CPPs	14.42	273.41			245
Total	79.60	1857.92			3156
SOLAR					
Total	0.61	22.84			
Total	0.61	22.84			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.82	289.18	502	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.19	36.64	50	49	120
Trombay 7B	0.97	29.61	41	40	60
Trombay 8	5.28	153.27	251	186	250
TATA Hydro	2.35	114.10	252	0	447
Total	19.61	622.80			1377
REL					
1&2	11.20	318.14	529	397	500
Total	11.20	318.14			500
Cent Sect					
Share					5305
Total					5305
MS PG CL	Thermal	115.71	3089.42		4816
	Thml+Gas	122.26	3266.26		5086
	Hydro	12.85	472.49		1301
	Total	135.10	3738.75		6387
State Total		247.38	5853.41		16725

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/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	4682	153	279	5114	85	2931	0	4394	4173	-588	-547	11756	7	11763	1542	13305	50.13
2	4673	153	278	5104	104	2874	0	4261	4028	-483	-414	11696	13	11709	1411	13120	50.13
3	4685	153	277	5115	63	2799	0	4116	4278	-408	-342	11913	13	11926	1343	13269	50.10
4	4615	158	279	5052	59	2794	0	4110	4575	-403	-312	12168	13	12181	1310	13491	50.09
5	4599	152	278	5029	65	2913	0	4246	4395	-421	-313	12089	13	12102	1310	13412	50.13
6	4585	153	277	5015	72	3003	0	4958	4831	-429	-377	12544	70	12614	1377	13991	50.09
7	4774	198	269	5241	65	3308	0	4939	5220	-419	-409	13425	342	13767	1474	15241	49.96
8	4873	509	270	5652	78	3451	7	4878	4988	-370	-326	13890	946	14836	1662	16498	49.95
9	4836	875	272	5983	48	3483	24	4838	4918	-364	-331	14158	911	15069	1873	16942	49.91
10	4882	1389	272	6543	39	3533	66	5009	4837	-474	-518	14500	762	15262	2131	17393	49.89
11	4932	1370	296	6598	38	3590	57	5227	5252	-758	-685	14850	790	15640	2294	17934	49.95
12	4900	1528	291	6719	23	3590	129	5258	5146	-781	-723	14884	903	15787	2344	18131	49.94
13	4889	1240	267	6396	16	3585	96	5306	5203	-751	-795	14501	1045	15546	2309	17855	50.02
14	4917	755	270	5942	16	3576	90	5271	5356	-673	-627	14353	896	15249	2176	17425	50.01
15	4968	878	270	6116	16	3570	66	5226	5379	-655	-595	14552	670	15222	2141	17363	50.05
16	5011	1109	272	6392	20	3542	49	4949	5110	-604	-570	14543	587	15130	2110	17240	50.02
17	5013	770	268	6051	26	3586	22	4907	4735	-601	-534	13886	555	14441	2096	16537	49.93
18	4944	170	267	5381	28	3590	6	5017	4380	-665	-638	12747	519	13266	2109	15375	49.97
19	4981	327	269	5577	28	3552	1	5228	5026	-797	-942	13242	185	13427	2275	15702	49.92
20	4941	176	265	5382	20	3502	0	5194	4645	-707	-891	12685	206	12891	2293	15184	49.92
21	4790	162	264	5216	32	3421	0	4406	4473	-683	-1076	12072	134	12206	2199	14405	49.96
22	4796	161	266	5223	52	3378	0	4051	3663	-624	-986	11330	50	11380	1989	13369	50.04
23	4707	151	265	5123	76	3160	0	4020	3726	-698	-823	11262	3	11265	1817	13082	49.95
24	4720	156	265	5141	86	2864	0	4005	3882	-696	-657	11316	5	11321	1654	12975	50.02
MUs	115.71	12.85	6.55	135.10	1.16	79.60	0.61	113.81	112.22	-14.05	-14.43	314.36	9.64	324.00	45.24	369.24	50.00

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/2013

Position as on 6.30 Hrs of 29/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 28/Dec/2013

Position as on 6.30 Hrs of 29/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
Mudsungi - Chikodi	28/12/2013	10.10	28/12/2013	16.40	To connect Broken B phase Jumper
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	28/12/2013	07.51	H/T TO CONTROL O/V
Kolhapur - Mapusa - II	27/12/2013	16.39	28/12/2013	09.07	OVER VOLTAGE
Dhule-Sar'Sarovar - I	28/12/2013	00.46	28/12/2013	07.28	over voltage
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 CONDUTOR & 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 - Kolhapur - I	27/12/2013	16.05	28/12/2013	09.00	OVER VOLTAGE

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Dec/2013

Position as on 6.30 Hrs of 29/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Karad-Jaigad I	27/12/2013	20.15	28/12/2013	09.02	OVER VOLTAGE
Lonikand- Koyna Stage IV	27/12/2013	21.56	28/12/2013	08.57	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
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
Mudshingi-Talangade - I	28/12/2013	10.30	28/12/2013	15.24	Mudshingi-Chikodi Line outage
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.
Boiser-Versova	28/12/2013	15.24	28/12/2013	16.57	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Padegaon-Sawangi	28/12/2013	18.02	28/12/2013	19.00	Distance Protection
Elichpur - Hingoli	28/12/2013	18.39	28/12/2013	18.54	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/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	150
Unit 4	500	355
Unit 5	500	0
	1420	645
Parli		
Unit 3	210	0
Unit 4	210	152
Unit 5	210	156
Unit 6	250	166
Unit 7	250	155
	1130	629
Chandrapur		
Unit 1	210	140
Unit 2	210	140
Unit 3	210	170
Unit 4	210	175
Unit 5	500	0
Unit 6	500	360
Unit 7	500	360
	2340	1345
Paras		
Unit 3	250	220
Unit 4	250	250
	500	470
Khaparkheda		
Unit 1	210	140
Unit 2	210	130
Unit 3	210	190
Unit 4	210	160
Unit 5	500	450
	1340	1070
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	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	24
ELDARY	23	15
SMLHY PTN	12	0
GHATGHAR	250	0
	611	116
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	4754
	3455	4754