



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Nov/2013

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	101.962	2890.246	1) Gujrat	7.385	247.277
2) Hydro	14.036	513.741	2) Madhya Pradesh	18.435	545.433
3) Gas	10.320	262.482	3) Chattisgarh	11.010	328.870
Total MSGENCO	126.318	3666.469	4) Maharashtra	80.579	2369.835
B) 1) JSW JAIGAD	19.481	549.344	5) Goa	-5.574	-158.555
2) WPCL	7.235	186.351	6) TAPS 1&2 Injection	3.791	200.842
3) ADANI	34.990	951.200	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	6.491	251.788	8) Pench (Excess)	-0.253	-13.233
5) Wind Generation	9.071	125.345	# Total Cent. Sector	115.373	3520.469
6) PENCH (MS)	0.253	13.233	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-18.372	-513.173
1) TPCL Thermal	19.308	581.465	G) Bilateral Power *		
2) TPCL Hydro	5.745	124.080	1) MSEDCL Bilateral	33.438	902.242
TOTAL TPCL	25.053	705.545	Include PX	5.266	135.139
3) REL Thermal	11.389	328.432	2) MUMBAI Bilateral	20.643	528.608
D) STATE			Include PX	7.098	175.323
1) Thermal (A1+C1+C3)	132.659	3800.143	3) MUMBAI Schedule	20.643	533.836
2) Hydro (A2+B5+C2)	20.034	651.054	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.320	262.482	1) MSEDCL	300.840	8751.026
4) Wind (B4)	9.071	125.345	2) TPCL	35.674	1007.604
5) CPP (B1+B2+B3)	68.197	1022.473	3) REL	19.137	539.250
TOTAL STATE	240.281	5861.497	TOTAL STATE	355.651	10297.880

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4237	4258	4107
MSGENCO Hydro	1379	1158	111
MSGENCO Gas	410	381	479
MSGENCO Total Generation	6026	5797	4697
Central Sector Receipt	5851	5262	3889
WIND	282	152	722
CPP / IPP	2846	2847	2523
Exchange with Mumbai	-1022	-889	-537
MSEDCL DEMAND MET	14005	13169	11294
Load Shedding	971	578	26
MSEDCL DEMAND	14976	13747	11320
TPCL GENERATION	1248	1286	692
R-INFRA GENERATION	522	522	384
TPCL+R-INFRA DEMAND	2792	2697	1613
STATE DEMAND MET	16797	15866	12907
STATE DEMAND	17768	16444	12933
Frequency (Hz)	49.92	49.92	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.32 Hz at 21.49 Hrs	49.64 Hz at 05.42 Hrs	49.97	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/Nov/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.03	67.89	140	110	130
Unit 6	0.00	69.92	0	0	0
Unit 7	3.97	98.57	190	132	143
Total	7.00	236.39			273
Bhusawal					
Unit 2	3.54	94.90	160	130	150
Unit 3	3.57	101.44	155	140	150
Unit 4	0.00	69.44	0	0	0
Unit 5	3.89	6.10	190	140	0
Total	11.00	271.88			300
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	70.21	0	0	0
Unit 5	3.69	105.21	166	143	150
Unit 6	4.15	92.72	183	153	165
Unit 7	4.14	95.86	192	157	160
Total	11.99	364.01			475
Chandrapur					
Unit 1	3.28	69.92	146	125	150
Unit 2	3.29	89.73	147	125	150
Unit 3	4.00	109.47	177	148	200
Unit 4	4.08	112.45	196	124	210
Unit 5	0.00	0.00	0	0	0
Unit 6	8.91	250.67	400	330	430
Unit 7	8.84	193.43	401	303	400
Total	32.40	825.66			1540
Paras					
Unit 3	4.65	116.84	228	145	200
Unit 4	4.61	140.16	215	170	200
Total	9.26	257.00			400
Khaparkheda					
Unit 1	0.00	60.17	0	0	0
Unit 2	2.20	86.93	160	60	160
Unit 3	3.06	94.38	148	100	180
Unit 4	4.34	115.66	198	170	190
Unit 5	7.92	231.61	400	230	450
Total	17.53	588.75			980
Nasik					
Unit 3	4.38	108.85	195	165	190
Unit 4	4.15	112.83	180	163	190
Unit 5	4.25	124.87	192	167	190
Total	12.79	346.56			570
Uran					
All Units	10.32	262.48	487	358	470
Total	10.32	262.48			470
PENCH (MS)					
Pench (MS)	0.25	13.23	30	0	
Total	0.25	13.23			
Koyna					
Stage 1-2	3.62	143.65	475	40	600
Stage 4	5.70	214.69	830	0	250
Stage 3	1.89	76.19	314	0	320
Kovna 12&4 Total	9.32	358.34			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.20	434.53			1170
Hydro					
KDPH	0.45	12.04	19	18	18
VTRNA	0.00	0.17	0	0	0
TILLARI	0.29	5.79	59	0	60
BHTGR/VEER	0.10	1.96	4	4	4
BHIRA T.R.	0.40	7.21	41	0	40
RNGR+BHTSA	0.39	11.20	17	16	16
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.75	17.49	39	28	10
GHATGHAR	0.46	23.36	120	0	0
Total	2.83	79.21			148
Wind					
MalharPeth	0.40	6.65			
Vankuswadi	1.05	11.96			
ATIT	0.12	2.47			
Kale	0.23	3.95			
Satara	2.91	43.53			
Shirala	0.26	4.08			
K Mahankal	0.02	2.01			
Supa	0.09	1.89			
Vita	0.92	16.25			
Dondaicha	1.37	16.65			
Sakri	0.28	2.17			
Nandurbar	0.10	1.39			
Khandke	0.69	7.02			
Khaparale	0.63	5.32			
Total	9.07	125.34			
CPP					
JSW JAIGAD	19.48	549.34	904	691	821
WARDHA	7.24	186.35	305	297	300
Adani	34.99	951.20	1810	1280	1851
Other CPPs	6.49	247.01			
Total	68.20	1933.90			2972
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.82	312.89	503	322	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.43	61.70	61	57	120
Trombay 7B	1.14	40.62	49	46	60
Trombay 8	5.92	166.26	252	227	250
TATA Hydro	5.74	124.08	446	0	447
Total	25.05	705.54			1377
REL					
1&2	11.39	328.43	523	384	500
Total	11.39	328.43			500
Cent Sect					
Share					5841
Total					5841

MS PG CL	Thermal	101.96	2890.25			4538
	Thml+Gas	112.28	3152.73			5008
	Hydro	14.04	513.74			1318
	Total	126.32	3666.47			6326
State Total		240.28	5861.50			17016

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/Nov/2013

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	4110	106	476	4692	763	2534	4468	4509	-762	-790	11708	62	11770	1843	13613	50.00
2	4110	106	476	4692	771	2533	4312	4046	-651	-673	11369	26	11395	1725	13120	50.03
3	4095	106	478	4679	793	2525	4067	3936	-620	-614	11319	26	11345	1657	13002	50.01
4	4107	111	479	4697	722	2523	3773	3889	-613	-537	11294	26	11320	1613	12933	49.94
5	4154	161	480	4795	664	2543	3771	4090	-613	-482	11610	55	11665	1616	13281	49.91
6	4289	138	483	4910	652	2821	4235	4209	-583	-460	12162	242	12404	1687	14091	49.90
7	4397	248	487	5132	597	3087	4431	4315	-525	-418	12739	678	13417	1807	15224	49.90
8	4421	482	481	5384	527	3204	4436	4375	-469	-384	13131	1013	14144	1991	16135	49.94
9	4323	670	464	5457	502	3234	4622	4534	-636	-495	13258	943	14201	2189	16390	49.96
10	4251	995	465	5711	480	3153	5264	5013	-859	-706	13677	849	14526	2508	17034	49.95
11	4262	921	439	5622	362	2950	5827	6020	-1110	-971	14009	844	14853	2698	17551	49.92
12	4237	1379	410	6026	282	2846	5880	5851	-1146	-1022	14005	971	14976	2792	17768	49.92
13	4253	1404	430	6087	181	2836	5439	5602	-1103	-993	13718	1014	14732	2789	17521	49.94
14	4178	1353	430	5961	108	2927	5211	5516	-1019	-908	13604	894	14498	2662	17160	50.00
15	4259	1378	430	6067	100	2897	5454	5575	-1041	-890	13749	679	14428	2699	17127	49.89
16	4224	1469	422	6115	87	2879	5537	5616	-1054	-907	13790	592	14382	2700	17082	50.01
17	4258	1158	381	5797	152	2847	5207	5262	-1044	-889	13169	578	13747	2697	16444	49.92
18	4278	698	381	5357	81	2866	4710	4536	-984	-848	12019	769	12788	2670	15458	49.96
19	4328	444	381	5153	154	2990	4942	4955	-1088	-970	12293	577	12870	2737	15607	50.06
20	4370	160	380	4910	179	2975	4936	4871	-965	-936	12010	459	12469	2672	15141	49.97
21	4302	160	369	4831	220	2853	4998	5011	-981	-964	11962	256	12218	2513	14731	50.05
22	4244	150	370	4764	221	2745	4765	4732	-948	-928	11541	169	11710	2343	14053	50.15
23	4256	130	370	4756	237	2618	4461	4550	-923	-802	11359	110	11469	2175	13644	49.93
24	4256	109	358	4723	236	2811	4340	4360	-907	-785	11345	96	11441	2031	13472	49.99
MUs	101.96	14.04	10.32	126.32	9.07	68.20	115.09	115.37	-20.64	-18.37	300.84	11.93	312.77	54.81	367.58	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 29/Nov/2013

Position as on 6.30 Hrs of 30/Nov/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.	Annual Overhaul	
Cent_Sect Tarapur 2	160	24/11/2013	20.42		Continued.	Maint.work.	13/12/2013
FORCED OUTAGE							
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	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.	
CPP WPCL U-3	135	10/11/2013	6.10		Continued.	I D Fan Problem	
Bhusawal Unit 4	500	12/11/2013	21.13		Continued.	Tripped,As GT4 Burst.	
Parli Unit 4	210	20/11/2013	16.30	30/11/2013	06.45	C.T.L.	
Khaparkheda Unit 1	210	24/11/2013	12.20		Continued.	Coal Shortage	
CPP INDIABULLS	270	25/11/2013	00:00		Continued.	Non-availability of coal	
Uran Unit 5	108	25/11/2013	21.33		Continued.	Gas Shortage.	
Koradi Unit 6	210	28/11/2013	12.30		Continued.	Poor Bunkering	
Uran Unit 7	108	30/11/2013	00.22		Continued.	Gas shortage	

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

Position as on 6.30 Hrs of 30/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	21/11/2013	16.53		Continued.	H/T TO CONTROL WARDHA FLOWAGATE
Kolhapur-Solapur (PG) II	25/11/2013	16.12	29/11/2013	14.41	over voltage
Parly - Solapur (PGCIL) - I	26/11/2013	01.41		Continued.	Over Voltage.
Kolhapur-Mapusa-II	28/11/2013	16.15	29/11/2013	09.43	Over Voltage
Dhule-Sar'Sarovar - I	29/11/2013	00.52	29/11/2013	07.54	Over Voltage
Kolhapur - Mapusa - I	29/11/2013	16.21		Continued.	Over Voltage
Kolhapur-Solapur(PGCIL)-I	29/11/2013	16.45		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	29/11/2013	23.48	30/11/2013	06.14	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	20/11/2013	18.17		Continued.	To control O/L.
Voltage Level : 220KV			Outage Type TRIPPED		
Talegaon Ambi - Talegaon(PG)	28/11/2013	15.19	29/11/2013	01.02	R Phase CT Burst at Ambi end
Nasik - Navsari - II	30/11/2013	03.01		Continued.	Distance Protection
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.
400/220 KV 300 MVA ICT-I @ Koradi	18/11/2013	10.03		Continued.	Replacement of R Ph.Unit
Lonikand - Parli - I	25/11/2013	13.30	30/11/2013	06.09	Lilo work of 400KV PRL-LNKND 1 & at 400KV LNKND II.
400/220KV 315 MVA ICT-I @ Padgha	26/11/2013	10.25		Continued.	Taken on TBC LV Side.(15 Days)
400/132KV 200 MVA ICT-I @ Bhusawal	27/11/2013	16.25	29/11/2013	18.52	Oil Filtration
400/220KV 315 MVA ICT-I @ Padgha	29/11/2013	09.27	29/11/2013	20.17	Topping of Oil
400/220 KV 500 MVA ICT-I @ Deepnagar	29/11/2013	10.54	29/11/2013	18.07	Tan Delta of CT
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
220/132 KV 100 MVA IBT @ Parli-I	29/11/2013	01.50	29/11/2013	03.30	Oil Temp.Tripped
Nerul-Kharghar	29/11/2013	07.06	29/11/2013	10.24	Hot Spot
Pophali - KDPH	29/11/2013	08.55	29/11/2013	16.50	P.M.Maint.
220/100 KV 200 MVA ICT - IV @ Apta	29/11/2013	09.05	29/11/2013	Continued.	Hot Spot
Wada-Kolshet	29/11/2013	09.32	29/11/2013	13.03	Tan Delta and CB Timing,CRM.
Kalyani-Baramati Agro	29/11/2013	10.30	29/11/2013	12.50	Replacement of Insulator
Baramati Agro - Bhigwan	29/11/2013	10.40	29/11/2013	12.45	Replacement of Insulator
Kalmeshwar - Rly TSS - I	29/11/2013	11.14	29/11/2013	19.39	Replacement of R Phase Jumper
Taloja-OCIL-I	29/11/2013	16.45	29/11/2013	18.15	R Phase line side CT Leakage
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Khadka - Deepnagar - I	18/11/2013	3.20		Continued.	FOR ATTENDING R PHASE CB GAS

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

Position as on 6.30 Hrs of 30/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
					PRESSURE LOW
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
Karad-Kolhapur-II	13/11/2013	15.47		Continued.	Over Voltage.
Deepnagar-Aurangabad-II	14/11/2013	21.48		Continued.	Over Voltage.
Bhusawal- Aurangabad	28/11/2013	17.47	29/11/2013	09.54	Over Voltage
Karad-Jaigad I	28/11/2013	23.15	29/11/2013	08.54	Over Voltage
Bhusawal- Aurangabad	29/11/2013	17.02		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	17/11/2013	18.00		Continued.	AFTER TAKEN IN/S,A'BAD ICT 3
Chikhali - Jalna - I	17/11/2013	18.00		Continued.	AFTER TAKEN IN/S,A'BAD ICT 3
Voltage Level : 400KV			Outage Type TRIPPED		
400/ 21.75 KV 600 MVA GT IV @ Deepnagar	12/11/2013	21.00		Continued.	GT4 Caught Fire.
Dabhol - Nagothane - I	24/11/2013	16.10		Continued.	Over Voltage.
Karad-Jaigad I	29/11/2013	21.22		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Nov/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	118
Unit 6	210	0
Unit 7	210	172
	620	290
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	0
Unit 5	500	
	1420	300
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	150
Unit 6	250	167
Unit 7	250	160
	1130	477
Chandrapur		
Unit 1	210	133
Unit 2	210	133
Unit 3	210	170
Unit 4	210	187
Unit 5	500	0
Unit 6	500	395
Unit 7	500	368
	2340	1386
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	0
Unit 2	210	143
Unit 3	210	161
Unit 4	210	169
Unit 5	500	419
	1340	892
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	290
	852	290
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	

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	27
GHATGHAR	250	
	611	149
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	824
WARDHA	405	300
Adani	1980	1851
Other CPPs	300	
	3885	2975
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	5083
	3455	5083