



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Nov/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Nov/2013 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.503	3000.749	1) Gujrat	12.421	259.698
2) Hydro	19.391	533.132	2) Madhya Pradesh	18.239	563.672
3) Gas	6.524	269.006	3) Chattisgarh	10.420	339.290
Total MSGENCO	136.418	3802.887	4) Maharashtra	78.520	2448.355
B) 1) JSW JAIGAD	19.541	568.885	5) Goa	-5.480	-164.035
2) WPCL	7.222	193.573	6) TAPS 1&2 Injection	3.813	204.655
3) ADANI	31.900	983.100	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	7.024	258.812	8) Pench (Excess)	-0.150	-13.383
5) Wind Generation	3.113	128.458	# Total Cent. Sector	117.783	3638.252
6) PENCH (MS)	0.150	13.383	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-18.517	-531.690
1) TPCL Thermal	18.990	600.455	G) Bilateral Power *		
2) TPCL Hydro	4.748	128.828	1) MSEDCL Bilateral	32.144	934.386
TOTAL TPCL	23.738	729.283	Include PX	2.150	137.289
3) REL Thermal	11.712	340.144	2) MUMBAI Bilateral	16.500	545.108
D) STATE			Include PX	3.018	178.341
1) Thermal (A1+C1+C3)	141.205	3941.348	3) MUMBAI Schedule	16.500	550.335
2) Hydro (A2+B5+C2)	24.289	675.343	H) ENERGY CATERED (MUs)		
3) Gas (A3)	6.524	269.006	1) MSEDCL	304.634	9055.660
4) Wind (B4)	3.113	128.458	2) TPCL	34.613	1042.217
5) CPP (B1+B2+B3)	65.687	1053.170	3) REL	19.352	558.602
TOTAL STATE	240.818	6067.325	TOTAL STATE	358.599	10656.479

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	4612	4842	4166
MSGENCO Hydro	1845	1314	108
MSGENCO Gas	236	245	284
MSGENCO Total Generation	6693	6401	4558
Central Sector Receipt	5584	5291	4564
WIND	77	42	180
CPP / IPP	2830	2768	2562
Exchange with Mumbai	-930	-854	-552
MSEDCL DEMAND MET	14254	13648	11312
Load Shedding	793	516	0
MSEDCL DEMAND	15047	14164	11312
TPCL GENERATION	1286	1207	669
R-INFRA GENERATION	524	524	385
TPCL+R-INFRA DEMAND	2740	2585	1606
STATE DEMAND MET	16994	16233	12918
STATE DEMAND	17787	16749	12918
Frequency (Hz)	49.95	50.02	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.38 Hz at 07.59 Hrs	49.64 Hz at 07.29 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 30/Nov/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.90	70.79	135	105	118
Unit 6	1.68	71.60	161	0	0
Unit 7	4.13	102.70	190	151	172
Total	8.70	245.09			290
Bhusawal					
Unit 2	3.63	98.52	155	140	150
Unit 3	3.54	104.98	155	140	150
Unit 4	0.00	69.44	0	0	0
Unit 5	4.34	10.43	210	160	
Total	11.50	283.38			300
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	1.78	71.99	149	0	0
Unit 5	3.82	109.04	169	144	150
Unit 6	4.23	96.95	195	155	167
Unit 7	4.12	99.98	186	154	160
Total	13.94	377.96			477
Chandrapur					
Unit 1	3.26	73.18	143	123	133
Unit 2	3.03	92.76	141	80	133
Unit 3	4.23	113.70	186	167	170
Unit 4	4.71	117.16	205	165	187
Unit 5	0.00	0.00	0	0	0
Unit 6	9.18	259.85	415	340	395
Unit 7	9.25	202.68	405	342	368
Total	33.66	859.32			1386
Paras					
Unit 3	4.98	121.83	237	187	200
Unit 4	5.04	145.20	230	192	200
Total	10.02	267.02			400
Khaparkheda					
Unit 1	0.00	60.17	0	0	0
Unit 2	2.55	89.48	160	55	143
Unit 3	3.31	97.68	181	110	161
Unit 4	3.96	119.63	194	149	169
Unit 5	9.73	241.34	470	330	419
Total	19.55	608.30			892
Nasik					
Unit 3	4.41	113.26	195	170	190
Unit 4	4.32	117.15	190	172	190
Unit 5	4.39	129.26	196	168	190
Total	13.12	359.67			570
Uran					
All Units	6.52	269.01	296	236	290
Total	6.52	269.01			290
PENCH (MS)					
Pench (MS)	0.15	13.38	53	0	
Total	0.15	13.38			
Koyna					
Stage 1-2	4.06	147.71	550	40	600
Stage 4	9.41	224.10	840	0	250
Stage 3	2.65	78.83	318	0	320
Kovna 12&4 Total	13.47	371.81			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	16.12	450.64			1170
Hydro					
KDPH	0.15	12.19	19	0	18
VTRNA	0.00	0.17	0	0	
TILLARI	0.30	6.09	60	0	60
BHTGR/VEER	0.10	2.06	5	4	4
BHIRA T.R.	0.24	7.45	41	0	40
RNGR+BHTSA	0.38	11.58	16	16	
BHANDARDRA	0.00	0.00	0	0	
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.70	18.19	29	29	27
GHATGHAR	1.40	24.76	250	0	
Total	3.27	82.49			149
Wind					
MalharPeth	0.16	6.80			
Vankuswadi	0.47	12.44			
ATIT	0.04	2.51			
Kale	0.07	4.02			
Satara	0.81	44.34			
Shirala	0.07	4.15			
K Mahankal	0.00	2.01			
Supa	0.02	1.91			
Vita	0.10	16.35			
Dondaicha	0.88	17.53			
Sakri	0.14	2.31			
Nandurbar	0.07	1.46			
Khandke	0.20	7.22			
Khaparale	0.08	5.40			
Total	3.11	128.46			
CPP					
JSW JAIGAD	19.54	568.88	909	705	824
WARDHA	7.22	193.57	304	298	300
Adani	31.90	983.10	1640	1270	1851
Other CPPs	7.02	254.03			
Total	65.69	1999.59			2975
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.60	323.50	504	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.41	63.11	61	57	120
Trombay 7B	1.14	41.76	49	46	60
Trombay 8	5.84	172.09	251	184	250
TATA Hydro	4.75	128.83	441	0	447
Total	23.74	729.28			1377
REL					
1&2	11.71	340.14	525	385	500
Total	11.71	340.14			500
Cent Sect					
Share					5083
Total					5083

MS PG CL	Thermal	110.50	3000.75			4315
	Thml+Gas	117.03	3269.76			4605
	Hydro	19.39	533.13			1319
	Total	136.42	3802.89			5924
State Total		240.82	6067.32			15859

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	4234	108	281	4623	230	2914	4471	4475	-712	-823	11419	53	11472	1908	13380	50.03
2	4201	108	283	4592	251	2921	4534	4271	-658	-682	11353	0	11353	1740	13093	49.98
3	4191	108	284	4583	244	2741	4478	4392	-586	-594	11366	0	11366	1647	13013	49.98
4	4166	108	284	4558	180	2562	4457	4564	-561	-552	11312	0	11312	1606	12918	50.01
5	4180	113	283	4576	154	2567	4370	4626	-541	-468	11455	28	11483	1594	13077	49.95
6	4352	108	282	4742	159	2585	4477	5295	-580	-343	12438	133	12571	1667	14238	49.96
7	4417	554	283	5254	140	2593	4514	4837	-517	-358	12466	686	13152	1756	14908	49.96
8	4468	1150	283	5901	158	2656	4358	4537	-343	-270	13029	847	13876	1846	15722	49.89
9	4487	1584	280	6351	143	2652	4712	4582	-426	-489	13292	800	14092	2091	16183	50.00
10	4448	1631	253	6332	141	2814	5223	5057	-531	-612	13762	655	14417	2434	16851	49.96
11	4539	1517	236	6292	135	2852	5543	5712	-813	-952	14059	695	14754	2673	17427	49.98
12	4612	1845	236	6693	77	2830	5402	5584	-850	-930	14254	793	15047	2740	17787	49.95
13	4746	1651	236	6633	78	2839	5386	5299	-833	-974	13875	918	14793	2728	17521	49.88
14	4883	1296	250	6429	68	2845	5255	5393	-774	-955	13780	803	14583	2652	17235	49.96
15	4872	1329	250	6451	61	2831	5374	5667	-752	-910	14100	609	14709	2639	17348	49.98
16	4864	1559	253	6676	54	2783	5371	5486	-749	-856	14143	530	14673	2608	17281	49.95
17	4842	1314	245	6401	42	2768	5111	5291	-742	-854	13648	516	14164	2585	16749	50.02
18	4840	701	253	5794	47	2743	4814	4745	-751	-880	12449	658	13107	2581	15688	50.04
19	4877	507	293	5677	51	2787	4941	5332	-874	-971	12876	474	13350	2653	16003	50.10
20	4831	418	294	5543	100	2726	4895	4562	-806	-858	12073	517	12590	2612	15202	50.09
21	4861	335	295	5491	147	2706	4880	4698	-754	-928	12114	348	12462	2517	14979	50.07
22	4900	362	295	5557	147	2674	4874	4458	-753	-1081	11755	216	11971	2334	14305	50.15
23	4861	483	296	5640	147	2647	4837	4565	-835	-1127	11872	166	12038	2209	14247	50.03
24	4831	502	296	5629	159	2651	4651	4355	-760	-1050	11744	139	11883	2147	14030	50.10
MUs	110.50	19.39	6.52	136.42	3.11	65.69	116.93	117.78	-16.50	-18.52	304.63	10.58	315.22	53.97	369.18	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 30/Nov/2013

Position as on 6.30 Hrs of 01/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.	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	16.36	30/11/2013	6.45	CONDENSER TUBE LEAKAGE	
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	30/11/2013	12.15	Poor Bunkering	
Uran Unit 7	108	30/11/2013	00.22		Continued.	Gas shortage	
Parli Unit 4	210	30/11/2013	8.08	30/11/2013	11.00	MAIN STERM TEMP LOW	
Koradi Unit 5	200	01/12/2013	00.38		Continued.	COAL SHORTAGE	
Bhusawal Unit 5	500	01/12/2013	12.01		Continued.	BEARING OIL LEAKAGE	
Paras Unit 3	250	01/12/2013	2.15	01/12/2013	04.59	FURANCE PRESSURE HIGH	
CPP Adani U-3	660	01/12/2013	23.49		Continued.	TO ATTEND OIL LEAKAGE BEARING NO 7	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Nov/2013

Position as on 6.30 Hrs of 01/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Kolhapur - Mapusa - II	30/11/2013	16.50		Continued.	H/T CODE 2863
Kolhapur-Solapur(PGCIL)-I	30/11/2013	20.56	01/12/2013	10.52	OVER VOLTAGE
Padgha-Bhoisor (PGCIL)	01/12/2013	8.15	01/12/2013	19.09	AUTO TO NON AUTO
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	21/11/2013	16.53		Continued.	H/T TO CONTROL WARDHA FLOWAGATE
Parly - Solapur (PGCIL) - I	26/11/2013	01.41		Continued.	Over Voltage.
Kolhapur - Mapusa - I	29/11/2013	16.21	30/11/2013	11.33	Over Voltage
Kolhapur-Solapur(PGCIL)-I	29/11/2013	16.45	30/11/2013	09.21	Over Voltage
Dhule-Sar'Sarovar - I	29/11/2013	23.48	30/11/2013	06.14	Over Voltage
Dhule-Sar'Sarovar - I	30/11/2013	23.34	01/12/2013	7.11	over voltage
Kolhapur-Solapur(PGCIL)-I	01/12/2013	16.46		Continued.	OVER VOLTAGE
Solapur - Solapur (PG)	01/12/2013	2.43	01/12/2013	6.50	OVER VOLTAGE
Karad - Solapur (PGCIL)	01/12/2013	21.51		Continued.	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		
Nasik - Navsari - II	30/11/2013	03.01	30/11/2013	14.57	Distance Protection
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC BIPOLE	30/11/2013	8.16	01/12/2013	23.25	CROSSING OF A'BAD(PG)TO A'BAD MSTCL D/C LINE(pole 1 only)
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)
80 MVAR Reactor- I @ Babaleshwar	30/11/2013	10.00		Continued.	cb overhauling
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
220/100 KV 200 MVA ICT - IV @ Apta	29/11/2013	09.05	30/11/2013	22.50	Hot Spot
Apta-HOC	30/11/2013	10.30	30/11/2013	14.09	hot spot attending work
Babaleshwar - Babaleshwar - II	30/11/2013	11.12	30/11/2013	17.15	FIXING OF VIB.DAMPER, REPLACEMENT OF DAMAGED INSULATOR STRING
Versova-Gorai	30/11/2013	9.34	30/11/2013	18.01	Annual bay maintance
Chitegaon-Shendra	01/12/2013	7.30	01/12/2013	18.06	STRINING WORK
Khaparkheda-Kawlewada-I	01/12/2013	8.54		Continued.	HIGHT RAISING

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Nov/2013

Position as on 6.30 Hrs of 01/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Khaparkheda-Kawlewada-II	01/12/2013	8.55		Continued.	HIGHT RAISING
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
BBLSR - Sangamner	30/11/2013	7.15		Continued.	stringing of multicircuit tower line
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Khadka - Deepnagar - I	18/11/2013	3.20		Continued.	FOR ATTENDING R PHASE CB GAS PRESSURE LOW
Dabhol - New Koyna - I	30/11/2013	21.54		Continued.	H/T TO CONTROL OVER VOLTAGE
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	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
Aurangabad - Babaleshwar	30/11/2013	9.24		Continued.	TO CONTROL A'BAD ICT LOADING
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	30/11/2013	9.31	over voltage
Karad-Jaigad I	01/12/2013	16.32		Continued.	over voltage
Karad-Jaigad I	01/12/2013	2.24	01/12/2013	8.44	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 01/Dec/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	111
Unit 7	210	157
	620	268
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	0
Unit 5	500	0
	1420	300
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	140
Unit 6	250	160
Unit 7	250	160
	1130	620
Chandrapur		
Unit 1	210	130
Unit 2	210	120
Unit 3	210	190
Unit 4	210	210
Unit 5	500	0
Unit 6	500	350
Unit 7	500	400
	2340	1400
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	178
Unit 4	210	190
Unit 5	500	330
	1340	838
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	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	8
BHIRA T.R.	80	40
RNGR+BHTSA	20	8
BHANDARDRA	45	8
ELDARY	23	
SMLHY PTN	12	6
GHATGHAR	250	
	611	148
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	783
WARDHA	405	324
Adani	1980	1851
Other CPPs	300	
	3885	2958
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	4807
	3455	4807