



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Nov/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Nov/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.490	2784.090	1) Gujrat	14.750	308.421
2) Hydro	4.986	224.703	2) Madhya Pradesh	14.733	434.798
3) Gas	7.233	204.747	3) Chattisgarh	12.010	302.920
Total MSGENCO	130.709	3213.540	4) Maharashtra	67.060	1769.587
B) 1) JSW JAIGAD	26.934	661.405	5) Goa	-5.597	-147.639
2) WPCL	8.806	183.210	6) TAPS 1&2 Injection	3.736	89.937
3) ADANI	0.000	81.500	7) RGPPL Injection	13.285	257.728
4) Other CPP / IPP	9.911	211.840	8) Pench (Excess)	-0.513	-13.410
5) Wind Generation	1.361	86.239	# Total Cent. Sector	119.464	3002.342
6) PENCH (MS)	0.513	14.069	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.522	-241.350
1) TPCL Thermal	17.695	639.420	G) Bilateral Power *		
2) TPCL Hydro	1.722	83.155	1) MSEDCL Bilateral	41.499	1075.413
TOTAL TPCL	19.417	722.575	Include PX	0.593	54.214
3) REL Thermal	12.145	306.514	2) MUMBAI Bilateral	8.620	281.003
D) STATE			Include PX	-3.328	14.655
1) Thermal (A1+C1+C3)	148.330	3730.024	3) MUMBAI Schedule	8.620	283.460
2) Hydro (A2+B5+C2)	7.221	321.927	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.233	204.747	1) MSEDCL	287.176	7212.795
4) Wind (B4)	1.361	86.239	2) TPCL	27.901	856.192
5) CPP (B1+B2+B3)	45.651	1056.455	3) REL	14.183	414.283
TOTAL STATE	209.796	5399.392	TOTAL STATE	329.260	8483.270

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	4866	4924	5007
MSGENCO Hydro	497	204	116
MSGENCO Gas	302	277	336
MSGENCO Total Generation	5665	5405	5459
Central Sector Receipt	5726	5546	4156
WIND	38	22	61
CPP / IPP	1998	2026	1797
Exchange with Mumbai	-302	-315	-462
MSEDCL DEMAND MET	13151	12710	11028
Load Shedding	793	225	60
MSEDCL DEMAND	13944	12935	11088
TPCL GENERATION	1080	935	550
R-INFRA GENERATION	528	528	389
TPCL+R-INFRA DEMAND	1910	1778	1401
STATE DEMAND MET	15061	14488	12429
STATE DEMAND	15854	14713	12489
Frequency (Hz)	49.83	50.12	50.19

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.5 Hz at 14:02 Hrs	49.53 Hz at 12:16 Hrs	50.06	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 25/Nov/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.18	81.06	140	117	140
Unit 7	3.34	74.15	150	125	135
Total	6.52	155.21			275
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.00	100.34	185	155	165
Unit 4	1.48	113.61	245	0	0
Unit 5	0.47	11.32	83	0	0
Total	5.95	225.28			165
Parli					
Unit 3	3.46	40.62	169	132	137
Unit 4	3.56	75.24	163	126	141
Unit 5	0.00	32.44	0	0	0
Unit 6	0.00	24.39	0	0	0
Unit 7	4.92	109.12	237	166	168
Total	11.93	281.80			446
Chandrapur					
Unit 1	3.67	84.64	159	149	160
Unit 2	3.91	66.86	170	158	160
Unit 3	4.61	100.23	205	156	200
Unit 4	4.65	113.22	201	167	200
Unit 5	10.00	234.98	445	375	450
Unit 6	10.85	210.19	465	420	450
Unit 7	9.17	222.70	436	287	380
Total	46.87	1032.82			2000
Paras					
Unit 3	5.74	116.25	259	215	240
Unit 4	5.86	117.72	259	202	250
Total	11.60	233.97			490
Khaparkheda					
Unit 1	4.72	72.90	210	180	170
Unit 2	4.15	91.98	190	160	170
Unit 3	4.75	103.12	214	181	180
Unit 4	4.69	101.74	210	186	180
Unit 5	8.82	185.84	454	292	350
Total	27.12	555.59			1050
Nasik					
Unit 3	4.31	102.56	200	165	190
Unit 4	4.20	103.24	185	157	190
Unit 5	0.00	93.63	0	0	0
Total	8.51	299.43			380
Uran					
All Units	7.23	204.75	337	259	300
Total	7.23	204.75			300
PENCH (MS)					
Pench (MS)	0.51	14.07	47	0	0
Total	0.51	14.07			0
Koyna					
Stage 1-2	1.50	72.68	155	35	440
Stage 4	0.04	54.63	19	0	250
Stage 3	0.28	27.45	80	0	320
Kovna 12&4 Total	1.54	127.31			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.82	154.76			1010
Hydro					
KDPH	0.47	7.77	20	19	20
VTRNA	0.00	1.15	0	0	61
TILLARI	0.27	6.99	60	0	60
BHTGR/VEER	0.08	2.11	4	3	4
BHIRA T.R.	0.22	4.74	67	0	80
RNGR+BHTSA	0.39	9.08	17	16	15
BHANDARDRA	0.09	0.09	4	3	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.82	14.56	41	32	8
GHATGHAR	0.83	23.46	120	0	0
Total	3.17	69.94			248
Wind					
MalharPeth	0.10	5.00			
Vankuswadi	0.15	8.78			
ATIT	0.01	2.41			
Kale	0.02	2.50			
Satara	0.34	14.62			
Shirala	0.01	3.26			
K Mahankal	0.01	6.52			
Supa	0.04	2.17			
Vita	0.16	12.93			
Dondaicha	0.25	14.30			
Sakri	0.02	1.73			
Nandurbar	0.02	1.01			
Khandke	0.16	6.93			
Khaparale	0.07	4.09			
Total	1.36	86.24			
CPP					
JSW JAIGAD	26.93	661.40	1212	1037	1100
WARDHA	8.81	183.21	373	359	367
Adani	0.00	81.50	0	0	
Other CPPs	9.91	201.43			
Total	45.65	1127.54			1467
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.35	238.08	178	0	0
Trombay 6	7.04	143.22	496	155	500
Trombay 7A	3.01	74.31	129	122	120
Trombay 7B	1.66	41.13	70	68	60
Trombay 8	5.64	142.68	252	192	250
TATA Hydro	1.72	83.16	222	0	306
Total	19.42	722.58			1236
REL					
1&2	12.14	306.51	530	389	500
Total	12.14	306.51			500
Cent Sect					
Share					4953
Total					4953

MS PG CL	Thermal	118.49	2784.09			4806
	Thml+Gas	125.72	2988.84			5106
	Hydro	4.99	224.70			1258
	Total	130.71	3213.54			6364
State Total		209.80	5399.39			14520

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/Nov/2012

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	4961	116	331	5408	74	1793	4167	4567	-286	-551	11291	23	11314	1635	12949	50.01
2	5008	126	332	5466	64	1793	4191	4371	-311	-541	11153	59	11212	1511	12723	50.01
3	4980	126	335	5441	61	1794	4153	4286	-270	-503	11088	59	11147	1444	12591	50.15
4	5007	116	336	5459	61	1797	4151	4156	-267	-462	11028	60	11088	1401	12489	50.19
5	4994	126	337	5457	61	1794	4144	4200	-259	-441	11088	61	11149	1390	12539	50.00
6	4966	121	336	5423	82	1809	4390	4506	-240	-374	11456	134	11590	1466	13056	50.07
7	4985	121	337	5443	79	1854	4975	4867	-259	-325	11921	319	12240	1506	13746	50.17
8	4864	125	336	5325	34	1996	5165	5585	-271	-243	12697	315	13012	1544	14556	50.03
9	4795	273	332	5400	22	2017	5150	5618	-258	-204	12853	370	13223	1642	14865	49.88
10	4815	406	324	5545	44	2010	5379	5563	-213	-178	13010	620	13630	1725	15355	50.01
11	4806	484	310	5600	45	2021	5400	5636	-372	-319	13009	586	13595	1857	15452	49.89
12	4866	497	302	5665	38	1998	5389	5726	-365	-302	13151	793	13944	1910	15854	49.83
13	4882	327	268	5477	38	2013	5399	5835	-355	-295	13094	873	13967	1908	15875	49.88
14	4931	155	259	5345	38	2023	5271	5598	-526	-464	12566	744	13310	1872	15182	50.09
15	4927	114	266	5307	16	2022	5562	5672	-504	-429	12614	665	13279	1815	15094	50.20
16	4918	169	277	5364	17	2012	5472	5763	-491	-396	12786	304	13090	1780	14870	50.05
17	4924	204	277	5405	22	2026	5463	5546	-370	-315	12710	225	12935	1778	14713	50.12
18	4978	113	277	5368	45	1976	4566	4662	-246	-331	11745	259	12004	1844	13848	50.07
19	4985	309	277	5571	74	1939	5235	5112	-433	-539	12202	156	12358	2029	14387	50.08
20	5009	337	278	5624	74	1803	5087	5120	-476	-641	12026	68	12094	2102	14196	50.05
21	4977	247	276	5500	64	1791	4714	4763	-475	-666	11498	36	11534	2088	13622	50.19
22	4967	141	276	5384	83	1794	4563	4407	-476	-684	11031	36	11067	2037	13104	50.18
23	4986	119	286	5391	98	1791	4120	4132	-456	-733	10719	15	10734	1963	12697	50.18
24	4959	114	268	5341	127	1785	4082	3773	-443	-586	10440	7	10447	1837	12284	50.14
MUs	118.49	4.99	7.23	130.71	1.36	45.65	116.19	119.46	-8.62	-10.52	287.18	6.79	293.96	42.08	336.05	50.06

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 25/Nov/2012

Position as on 6.30 Hrs of 26/Nov/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering, Converted to C O H from 20/09/2012.	
Uran Unit A0	120	15/11/2012	23.56		Continued.	A/OH.	
Koyna Unit 5	80	20/11/2012	23.45		Continued.	To attend water leakage on servomotor, Outage on pressure shaft no.3 of unit	21/12/2012
Koyna Unit 6	75	21/11/2012	07.55		Continued.	Overhauling work of Spherical Valve.	21/12/2012
FORCED OUTAGE							
Tata TATA Hydro	444	05/09/2012	03:30		Continued.	BHIRA (BPSU-150MW)Unit tripped due to stator winding fault.	31/12/2012
Dabhol 2B	230	18/09/2012	18.42		Continued.	Gas shortage.	
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
Bhusawal Unit 2	210	19/10/2012	22.22		Continued.	ID Fan Problem	
Dabhol 1X	290	02/11/2012	16.26		Continued.	Gas shortage.	
Dabhol 1A	230	02/11/2012	16.27		Continued.	Gas shortage.	
CPP WPCL U-4	135	05/11/2012	21.30	26/11/2012	02.18	Maintenance Work.	
Parli Unit 6	250	07/11/2012	09.57		Continued.	Flame Failure.	
CPP Adani	660	09/11/2012	19.16		Continued.	Tripped due to Tripping of 400KV Wardha-Warora-I.	
Dabhol 2A	230	12/11/2012	10.00		Continued.	Generator Protection.	
Dabhol 2X	290	12/11/2012	10.00		Continued.	Generator Protection.	
Uran Unit 5	108	19/11/2012	23.55		Continued.	Gas Shortage	
Parli Unit 5	210	20/11/2012	15.50		Continued.	Flame Failure.	
Tata Trombay 5	500	24/11/2012	00.01	25/11/2012	21.34	Boiler Tube Leakage	
Uran Unit 6	108	24/11/2012	11.44		Continued.	Gas shortage.	
Nasik Unit 5	210	24/11/2012	20.45		Continued.	Boiler tube leakage.	27/11/2012
Bhusawal Unit 4	500	25/11/2012	06.30	25/11/2012	21.51	Flame failure.	
Bhusawal Unit 5	500	25/11/2012	07.32		Continued.	Coal Shortage	
Bhusawal Unit 4	500	25/11/2012	22.22	26/11/2012	01.22	Flame Failure	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Nov/2012

Position as on 6.30 Hrs of 26/Nov/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur-I	04/11/2012	09.53		Continued.	Mumbai Strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parly(PG) - Wardha (PG) - I	15/11/2012	20.53		Continued.	H/T For O/V
Kolhapur-Solapur(PGCIL)-I	17/11/2012	11.09		Continued.	Over Voltage
Dhule-S'Sarovar I	23/11/2012	22.01	25/11/2012	08.28	Over Voltage.
Dhule-Sar'Sarovar - I	25/11/2012	23.00		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	18/11/2012	11.19		Continued.	To control Wardha-Yawatmal Loading
Voltage Level : 400KV			Outage Type TRIPPED		
Warora - Tiroda - II	09/11/2012	19.16		Continued.	Tripped due to Warora-Wardha(PG)-I on O/V.(Isolator problem at Tiroda)
Kolhapur - Mapusa - I	19/11/2012	00.01		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Revamping Work of ICT-1.
400/220 KV 600 MVA ICT - IV @ Padgha	25/11/2012	08.16	25/11/2012	19.57	Construction of Fire Protection Wall
Main Bus - II @ Koradi	25/11/2012	10.34		Continued.	Isolator Problem
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Kalwa - Khargar	19/10/2012	08.55		Continued.	Mumbai Strengthening work(Till 30.11.12)
Mahape - Siemens	19/10/2012	10.09		Continued.	Mumbai Strengthening work(Till 30.11.12)
Ghodbandar - Bhoisor (MSETCL)	04/11/2012	10.35		Continued.	mumbai strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
220/132 KV 100 MVA T/F - 6 @ Chinchwad	12/11/2012	11.42		Continued.	Newly Charged & Kept on Humming(In Place of 220/132KV 50 MVA) Which Was Out From 12.10.12).
Kalwa-Siemens II	21/11/2012	08.16		Continued.	Dismantling of old tower and normalization of 220KV Kalwa-Khargar line.
220/132 KV 200 MVA ICT-II @ Nagar.	24/11/2012	09.25		Continued.	Tan delta measurement work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Chalishaon-Manmad(Pimperkhed)-II	25/11/2012	11.04	25/11/2012	17.19	Replacement of Breaker Pole
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Koradi - Bhusawal	25/11/2012	16.57	26/11/2012	05.31	Isolator problem,(Ready for charging from 18.45Hrs/25-11-2012)
Voltage Level : 100KV			Outage Type FORCED OUTAGE		
Borivali-Tata-I	25/11/2012	16.42	25/11/2012	20.17	Hot Spot at TATA end
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Nov/2012

Position as on 6.30 Hrs of 26/Nov/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz Alarm. Proposed for Repairs.
Aurangabad-Deepnagar-II	17/11/2012	09.10		Continued.	Over Voltage
Bhusawal- Aurangabad	22/11/2012	17.16		Continued.	Over Voltage.
Karad - Kolhapur - II	24/11/2012	16.15	25/11/2012	09.47	Over Voltage.
Lonikand- Koyna Stage IV	24/11/2012	23.33	25/11/2012	07.06	Over Voltage.
Karad - Kolhapur - I	25/11/2012	01.57	25/11/2012	07.03	Over Voltage.
Karad - Kolhapur - II	25/11/2012	16.15		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated. Declared Faulty by Genco. Sent for Repairs.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/Nov/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	145
	620	290
Bhusawal		
Unit 2	210	0
Unit 3	210	155
Unit 4	500	260
Unit 5	500	
	1420	415
Parli		
Unit 3	210	170
Unit 4	210	150
Unit 5	210	0
Unit 6	250	0
Unit 7	250	190
	1130	510
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	200
Unit 4	210	200
Unit 5	500	425
Unit 6	500	450
Unit 7	500	450
	2340	2045
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	180
Unit 4	210	180
Unit 5	500	350
	1340	1050
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	0
	630	380
Uran		
All Units	852	250
	852	250
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	440
Stage 4	1000	250
Stage 3	320	320
	1920	1010
Hydro		
KDPH	40	20
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	3
ELDARY	23	0
SMLHY PTN	12	5
GHATGHAR	250	
	611	248
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	600	1100
WARDHA	405	367
Adani	660	
Other CPPs	0	
	1665	1467
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	317
	2024	1747
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4935
	3455	4935