



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Nov/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Nov/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.956	2907.046	1) Gujrat	13.672	322.093
2) Hydro	6.936	231.639	2) Madhya Pradesh	17.354	452.152
3) Gas	6.914	211.661	3) Chattisgarh	12.110	315.030
Total MSGENCO	136.806	3350.346	4) Maharashtra	61.704	1831.291
B) 1) JSW JAIGAD	26.224	687.629	5) Goa	-5.596	-153.235
2) WPCL	8.851	192.061	6) TAPS 1&2 Injection	3.598	93.535
3) ADANI	0.000	81.500	7) RGPPL Injection	13.946	271.674
4) Other CPP / IPP	10.074	221.914	8) Pench (Excess)	-0.627	-14.037
5) Wind Generation	1.718	87.957	# Total Cent. Sector	116.161	3118.503
6) PENCH (MS)	0.627	14.696	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.887	-252.237
1) TPCL Thermal	25.424	664.844	G) Bilateral Power *		
2) TPCL Hydro	3.587	86.742	1) MSEDCL Bilateral	42.348	1117.761
TOTAL TPCL	29.011	751.586	Include PX	1.916	56.130
3) REL Thermal	11.777	318.291	2) MUMBAI Bilateral	11.216	292.218
D) STATE			Include PX	-0.605	14.050
1) Thermal (A1+C1+C3)	160.157	3890.181	3) MUMBAI Schedule	11.216	294.675
2) Hydro (A2+B5+C2)	11.150	333.077	H) ENERGY CATERED (MUs)		
3) Gas (A3)	6.914	211.661	1) MSEDCL	289.574	7502.369
4) Wind (B4)	1.718	87.957	2) TPCL	34.828	891.020
5) CPP (B1+B2+B3)	45.149	1101.604	3) REL	16.779	431.062
TOTAL STATE	225.088	5624.480	TOTAL STATE	341.181	8824.451

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	5195	5116	5052
MSGENCO Hydro	877	237	109
MSGENCO Gas	297	287	259
MSGENCO Total Generation	6369	5640	5420
Central Sector Receipt	5795	5721	3756
WIND	38	85	83
CPP / IPP	2024	2032	1707
Exchange with Mumbai	-565	-569	-202
MSEDCL DEMAND MET	13714	12935	10764
Load Shedding	772	440	59
MSEDCL DEMAND	14486	13375	10823
TPCL GENERATION	1554	1504	848
R-INFRA GENERATION	527	528	391
TPCL+R-INFRA DEMAND	2646	2601	1441
STATE DEMAND MET	16360	15536	12205
STATE DEMAND	17132	15976	12264
Frequency (Hz)	49.95	49.90	50.17

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 03.02 Hrs	49.52 Hz at 09.25 Hrs	49.96	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 26/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	3.45	84.51	153	125	145
Unit 7	1.51	75.66	150	0	145
Total	4.96	160.17			290
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.45	104.80	205	160	155
Unit 4	6.53	120.14	360	0	260
Unit 5	0.00	11.32	0	0	
Total	10.98	236.26			415
Parli					
Unit 3	3.96	44.58	175	140	170
Unit 4	3.51	78.75	160	126	150
Unit 5	0.00	32.44	0	0	0
Unit 6	0.00	24.39	0	0	0
Unit 7	4.59	113.71	220	164	190
Total	12.06	293.85			510
Chandrapur					
Unit 1	3.66	88.29	157	149	160
Unit 2	3.81	70.67	167	140	160
Unit 3	4.76	104.99	204	191	200
Unit 4	4.62	117.84	198	180	200
Unit 5	10.21	245.19	450	385	425
Unit 6	10.63	220.82	460	415	450
Unit 7	9.85	232.55	438	297	450
Total	47.54	1080.36			2045
Paras					
Unit 3	5.73	121.98	262	196	250
Unit 4	5.83	123.54	257	207	250
Total	11.56	245.53			500
Khaparkheda					
Unit 1	4.38	77.28	205	150	170
Unit 2	3.92	95.90	180	145	170
Unit 3	4.36	107.48	194	169	180
Unit 4	4.49	106.23	203	175	180
Unit 5	7.99	193.83	382	278	350
Total	25.14	580.73			1050
Nasik					
Unit 3	4.29	106.86	190	155	190
Unit 4	4.20	107.43	194	161	190
Unit 5	2.24	95.87	192	0	0
Total	10.72	310.15			380
Uran					
All Units	6.91	211.66	328	247	250
Total	6.91	211.66			250
PENCH (MS)					
Pench (MS)	0.63	14.70	53	0	
Total	0.63	14.70			
Koyna					
Stage 1-2	1.78	74.46	180	35	440
Stage 4	0.65	55.28	220	0	250
Stage 3	0.46	27.91	148	0	320
Kovna 12&4 Total	2.43	129.75			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.89	157.65			1010
Hydro					
KDPH	0.44	8.21	19	18	20
VTRNA	0.00	1.15	0	0	61
TILLARI	0.30	7.29	59	0	60
BHTGR/VEER	0.08	2.19	4	3	3
BHIRA T.R.	0.20	4.94	61	0	80
RNGR+BHTSA	0.38	9.46	16	16	16
BHANDARDRA	0.00	0.09	0	0	3
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.83	15.39	43	32	5
GHATGHAR	1.80	25.25	250	0	
Total	4.04	73.98			248
Wind					
MalharPeth	0.15	5.15			
Vankuswadi	0.36	9.14			
ATIT	0.05	2.46			
Kale	0.03	2.53			
Satara	0.09	14.71			
Shirala	0.03	3.29			
K Mahankal	0.08	6.59			
Supa	0.08	2.25			
Vita	0.15	13.08			
Dondaicha	0.50	14.80			
Sakri	0.06	1.80			
Nandurbar	0.02	1.02			
Khandke	0.07	7.00			
Khaparale	0.05	4.15			
Total	1.72	87.96			
CPP					
JSW JAIGAD	26.22	687.63	1210	945	1100
WARDHA	8.85	192.06	374	364	367
Adani	0.00	81.50	0	0	
Other CPPs	10.07	211.50			
Total	45.15	1172.69			1467
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.75	247.84	503	184	500
Trombay 6	5.29	148.52	367	156	500
Trombay 7A	3.01	77.32	128	121	120
Trombay 7B	1.67	42.80	71	69	60
Trombay 8	5.70	148.37	252	195	250
TATA Hydro	3.59	86.74	306	0	317
Total	29.01	751.59			1747
REL					
1&2	11.78	318.29	529	390	500
Total	11.78	318.29			500
Cent Sect					
Share					4935
Total					4935

MS PG CL	Thermal	122.96	2907.05			5190
	Thml+Gas	129.87	3118.71			5440
	Hydro	6.94	231.64			1258
	Total	136.81	3350.35			6698
State Total		225.09	5624.48			15347

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/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	4875	114	247	5236	86	1777	4139	4195	-346	-521	10773	19	10792	1680	12472	49.99
2	4856	114	259	5229	106	1700	4075	4106	-279	-367	10774	35	10809	1558	12367	50.06
3	4951	119	259	5329	109	1711	4042	3897	-245	-285	10761	46	10807	1482	12289	50.14
4	5052	109	259	5420	83	1707	4040	3756	-242	-202	10764	59	10823	1441	12264	50.17
5	5038	114	257	5409	89	1705	4037	3777	-245	-196	10784	106	10890	1422	12312	50.03
6	5018	109	328	5455	100	1760	4560	4380	-247	-279	11416	232	11648	1501	13149	49.89
7	5135	119	321	5575	121	1846	5156	4849	-306	-338	12053	390	12443	1639	14082	49.83
8	5329	139	322	5790	109	1844	5285	5362	-319	-316	12789	457	13246	1793	15039	49.94
9	5311	238	317	5866	85	1995	5529	5142	-385	-392	12721	529	13250	2056	15306	49.89
10	5224	350	311	5885	64	2027	5874	5499	-434	-446	13056	371	13427	2394	15821	49.77
11	5244	515	314	6073	42	2014	5684	5840	-615	-539	13480	558	14038	2606	16644	49.78
12	5195	877	297	6369	38	2024	5741	5795	-678	-565	13714	772	14486	2646	17132	49.95
13	5129	560	288	5977	22	2021	5716	5861	-655	-576	13357	873	14230	2630	16860	49.88
14	5143	581	286	6010	19	2030	5504	5838	-741	-700	13249	773	14022	2577	16599	49.95
15	5104	551	286	5941	20	2025	5797	5902	-741	-694	13246	629	13875	2602	16477	49.89
16	5161	446	270	5877	43	2028	6003	5975	-708	-657	13293	526	13819	2610	16429	49.90
17	5116	237	287	5640	85	2032	5748	5721	-646	-569	12935	440	13375	2601	15976	49.90
18	5269	420	287	5976	109	1979	4782	4773	-504	-424	12439	413	12852	2570	15422	49.84
19	5192	398	287	5877	105	1910	5300	5053	-523	-469	12529	368	12897	2616	15513	49.96
20	5158	226	294	5678	98	1801	5108	4641	-483	-429	11842	440	12282	2557	14839	49.95
21	5190	154	296	5640	53	1805	4873	4503	-471	-490	11563	399	11962	2397	14359	50.02
22	5197	112	296	5605	32	1804	4808	3760	-471	-508	10745	381	11126	2228	13354	50.10
23	5094	122	286	5502	27	1804	4708	3681	-471	-455	10586	196	10782	2114	12896	50.08
24	4975	212	260	5447	73	1800	4523	3855	-461	-470	10705	139	10844	1955	12799	50.11
MUs	122.96	6.94	6.91	136.81	1.72	45.15	121.03	116.16	-11.22	-10.89	289.57	9.15	298.72	51.68	350.40	49.96

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 26/Nov/2012

Position as on 6.30 Hrs of 27/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.	
Uran Unit 6	108	24/11/2012	11.44		Continued.	Gas shortage.	
Nasik Unit 5	210	24/11/2012	20.45	26/11/2012	09.40	Boiler tube leakage.	
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	
Koradi Unit 7	210	26/11/2012	10.36		Continued.	Electrical Fault	
Parli Unit 4	210	27/11/2012	03.34		Continued.	Furnace Pressure Low	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Nov/2012

Position as on 6.30 Hrs of 27/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-Sar'Sarovar - I	25/11/2012	23.00	26/11/2012	07.12	Over Voltage
Dhule-Sar'Sarovar - II	26/11/2012	22.46		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.
Main Bus - II @ Koradi	25/11/2012	10.34	26/11/2012	07.48	Isolator Problem
New Koyna - StageIV - I	26/11/2012	09.10	26/11/2012	18.11	Replacement of Y Phase LA
Karad-Jaigad II	26/11/2012	10.05	26/11/2012	14.23	Cleaning Moss formation Insulator Disc
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.
New Paras TPS-Alola-II	26/11/2012	10.04	26/11/2012	15.13	Hot Spot
Kanhan - Umred - I	26/11/2012	11.49	26/11/2012	13.39	Signature Analysis of Line
Amalner - Dondaicha	26/11/2012	15.00	26/11/2012	17.25	Tan Delta of CT
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 : 220KV			Outage Type FORCED OUTAGE		
220/132KV 200MVA ICT-VI at NSK GCR	26/11/2012	14.25	26/11/2012	14.59	Oil Leakage of PNRV Valve
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Nov/2012

Position as on 6.30 Hrs of 27/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	26/11/2012	12.03	Over Voltage.
Karad - Kolhapur - II	25/11/2012	16.15	26/11/2012	09.26	Over Voltage
Karad - Kolhapur - I	26/11/2012	16.15		Continued.	Over Voltage
Bhusawal- Aurangabad	26/11/2012	17.57		Continued.	Over Voltage
Karad - Kolhapur - II	26/11/2012	20.05		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.
Voltage Level : 132KV			Outage Type TRIPPED		
Sawangi-Harsool	26/11/2012	15.26	26/11/2012	16.43	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Nov/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	0
	620	135
Bhusawal		
Unit 2	210	0
Unit 3	210	175
Unit 4	500	300
Unit 5	500	0
	1420	475
Parli		
Unit 3	210	130
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	155
	1130	285
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	350
	2340	1945
Paras		
Unit 3	250	230
Unit 4	250	200
	500	430
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	190
Unit 4	210	200
Unit 5	500	370
	1340	1120
Nasik		
Unit 3	210	200
Unit 4	210	190
Unit 5	210	190
	630	580
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	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	251
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	307
	2024	1737
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4954
	3455	4954