



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Nov/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Nov/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.940	3153.043	1) Gujrat	14.881	347.217
2) Hydro	11.165	255.820	2) Madhya Pradesh	15.486	483.283
3) Gas	7.086	225.169	3) Chattisgarh	11.990	339.020
Total MSGENCO	141.191	3634.032	4) Maharashtra	69.977	1970.542
B) 1) JSW JAIGAD	26.818	741.109	5) Goa	-5.550	-164.622
2) WPCL	8.830	209.698	6) TAPS 1&2 Injection	3.580	100.709
3) ADANI	0.000	81.500	7) RGPPL Injection	11.000	296.821
4) Other CPP / IPP	10.056	242.039	8) Pench (Excess)	-0.560	-15.045
5) Wind Generation	1.699	90.784	# Total Cent. Sector	120.804	3357.925
6) PENCH (MS)	0.560	15.704	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.181	-269.153
1) TPCL Thermal	25.276	717.191	G) Bilateral Power *		
2) TPCL Hydro	4.229	94.788	1) MSEDCL Bilateral	42.194	1198.815
TOTAL TPCL	29.505	811.979	Include PX	5.208	63.175
3) REL Thermal	12.681	343.652	2) MUMBAI Bilateral	10.019	313.108
D) STATE			Include PX	-1.834	11.304
1) Thermal (A1+C1+C3)	160.897	4213.886	3) MUMBAI Schedule	10.019	315.565
2) Hydro (A2+B5+C2)	15.954	366.312	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.086	225.169	1) MSEDCL	301.777	8103.638
4) Wind (B4)	1.699	90.784	2) TPCL	33.803	960.291
5) CPP (B1+B2+B3)	45.704	1192.846	3) REL	16.561	464.460
TOTAL STATE	231.340	6088.997	TOTAL STATE	352.141	9528.389

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	5274	5211	5039
MSGENCO Hydro	796	458	170
MSGENCO Gas	312	314	259
MSGENCO Total Generation	6382	5983	5468
Central Sector Receipt	5855	5412	4254
WIND	12	72	80
CPP / IPP	2030	2021	1810
Exchange with Mumbai	-405	-403	-191
MSEDCL DEMAND MET	13924	13095	11421
Load Shedding	826	521	219
MSEDCL DEMAND	14750	13616	11640
TPCL GENERATION	1589	1512	902
R-INFRA GENERATION	525	529	529
TPCL+R-INFRA DEMAND	2519	2444	1622
STATE DEMAND MET	16443	15539	13043
STATE DEMAND	17269	16060	13262
Frequency (Hz)	49.80	49.99	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.45 Hz at 21.53 Hrs	49.56 Hz at 10.12 Hrs	49.94	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/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	3.39	91.23	151	134	140
Unit 7	3.28	80.89	170	100	150
Total	6.67	172.12			290
Bhusawal					
Unit 2	0.00	0.00	0	0	200
Unit 3	4.40	113.47	195	170	260
Unit 4	7.93	134.98	400	220	
Unit 5	0.00	11.32	0	0	
Total	12.34	259.77			460
Parli					
Unit 3	3.79	51.92	169	146	145
Unit 4	0.18	81.05	77	0	0
Unit 5	3.20	36.19	163	115	115
Unit 6	0.00	24.39	0	0	0
Unit 7	5.16	123.55	248	168	185
Total	12.33	317.09			445
Chandrapur					
Unit 1	3.65	95.66	156	147	160
Unit 2	3.80	78.36	163	151	160
Unit 3	4.84	114.57	205	196	200
Unit 4	4.77	127.30	202	194	200
Unit 5	10.45	265.68	455	420	425
Unit 6	10.68	241.96	460	414	450
Unit 7	8.83	250.69	427	267	425
Total	47.03	1174.22			2020
Paras					
Unit 3	4.78	131.54	240	161	180
Unit 4	3.92	131.83	228	0	170
Total	8.70	263.37			350
Khaparkheda					
Unit 1	3.75	85.50	180	135	190
Unit 2	3.33	103.29	190	0	60
Unit 3	3.51	115.39	171	90	115
Unit 4	4.05	114.90	196	159	180
Unit 5	7.84	210.48	362	286	295
Total	22.48	629.57			840
Nasik					
Unit 3	4.72	116.24	210	180	200
Unit 4	4.35	116.08	194	168	190
Unit 5	4.32	104.58	190	162	190
Total	13.39	336.91			580
Uran					
All Units	7.09	225.17	332	256	280
Total	7.09	225.17			280
PENCH (MS)					
Pench (MS)	0.56	15.70	50	0	
Total	0.56	15.70			
Koyna					
Stage 1-2	3.19	82.49	365	40	440
Stage 4	3.33	61.81	471	0	250
Stage 3	1.60	31.56	160	0	320
Kovna 12&4 Total	6.52	144.30			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	8.12	175.86			1010
Hydro					
KDPH	0.45	9.12	19	18	20
VTRNA	0.00	1.15	0	0	61
TILLARI	0.29	7.79	59	0	60
BHTGR/VEER	0.09	2.38	4	3	4
BHIRA T.R.	0.22	5.36	42	0	80
RNGR+BHTSA	0.39	10.25	17	16	16
BHANDARDRA	0.47	1.03	29	13	8
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.03	17.34	49	40	0
GHATGHAR	0.09	25.55	90	0	0
Total	3.04	79.96			249
Wind					
MalharPeth	0.07	5.31			
Vankuswadi	0.12	9.43			
ATIT	0.01	2.47			
Kale	0.02	2.58			
Satara	0.02	14.76			
Shirala	0.02	3.31			
K Mahankal	0.15	6.95			
Supa	0.05	2.35			
Vita	0.08	13.30			
Dondaicha	0.83	15.94			
Sakri	0.11	1.92			
Nandurbar	0.09	1.14			
Khandke	0.06	7.07			
Khaparale	0.07	4.24			
Total	1.70	90.78			
CPP					
JSW JAIGAD	26.82	741.11	1212	1044	1100
WARDHA	8.83	209.70	373	365	368
Adani	0.00	81.50	0	0	
Other CPPs	10.06	231.63			
Total	45.70	1263.94			1468
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.58	267.63	508	285	500
Trombay 6	5.12	160.11	338	156	500
Trombay 7A	3.00	83.33	128	121	120
Trombay 7B	1.66	46.12	70	68	60
Trombay 8	5.91	160.00	253	201	250
TATA Hydro	4.23	94.79	306	9	317
Total	29.50	811.98			1747
REL					
1&2	12.68	343.65	529	525	500
Total	12.68	343.65			500
Cent Sect					
Share					5078
Total					5078

MS PG CL	Thermal	122.94	3153.04		4985
	Thml+Gas	130.03	3378.21		5265
	Hydro	11.16	255.82		1259
	Total	141.19	3634.03		6524
State Total		231.34	6089.00		15317

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/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	5113	320	258	5691	95	1815	4210	4387	-400	-337	11651	147	11798	1750	13548	49.98
2	5039	170	259	5468	80	1810	4141	4254	-327	-191	11421	219	11640	1622	13262	50.02
3	4898	191	257	5346	78	1807	4276	4433	-286	-167	11497	238	11735	1555	13290	49.91
4	4791	197	258	5246	75	1808	4316	4645	-284	-131	11643	253	11896	1531	13427	49.95
5	4819	257	258	5334	48	1812	4270	4563	-290	-102	11655	287	11942	1540	13482	49.90
6	4922	292	256	5470	26	1819	4532	4763	-291	-158	11920	445	12365	1595	13960	49.81
7	5016	163	285	5464	19	1850	4996	5199	-297	-206	12326	845	13171	1647	14818	49.97
8	5048	647	283	5978	20	1844	5126	5545	-308	-256	13131	834	13965	1754	15719	49.87
9	5063	855	285	6203	16	2018	5165	5359	-354	-306	13290	832	14122	1956	16078	49.75
10	5211	928	276	6415	19	2023	5429	5598	-336	-295	13778	634	14412	2246	16658	49.82
11	5159	992	313	6464	12	2026	5559	5748	-449	-373	13921	602	14523	2446	16969	49.77
12	5274	796	312	6382	12	2030	5580	5855	-481	-405	13924	826	14750	2519	17269	49.80
13	5359	696	311	6366	12	2025	5395	5584	-460	-421	13616	938	14554	2517	17071	49.85
14	5301	759	305	6365	37	2026	5051	5352	-522	-423	13379	825	14204	2421	16625	49.94
15	5236	642	309	6187	43	2026	5162	5431	-432	-403	13310	708	14018	2452	16470	49.96
16	5158	600	308	6066	68	2001	5428	5795	-543	-416	13540	605	14145	2450	16595	50.00
17	5211	458	314	5983	72	2021	5352	5412	-539	-403	13095	521	13616	2444	16060	49.99
18	5225	497	312	6034	92	1978	4189	4887	-400	-344	12692	473	13165	2448	15613	49.92
19	5182	673	312	6167	170	1912	4837	5151	-514	-429	13021	410	13431	2517	15948	49.98
20	5229	282	313	5824	177	1809	4759	4903	-564	-461	12302	588	12890	2499	15389	49.93
21	5261	212	313	5786	156	1811	4530	4654	-521	-546	11911	559	12470	2366	14836	50.03
22	5342	155	326	5823	117	1811	4437	4350	-486	-594	11557	534	12091	2199	14290	50.17
23	5022	174	332	5528	118	1809	4256	4559	-472	-484	11580	252	11832	2042	13874	50.09
24	5061	209	331	5601	137	1813	3999	4376	-465	-330	11616	170	11786	1851	13637	50.14
MUs	122.94	11.17	7.09	141.19	1.70	45.70	115.00	120.80	-10.02	-8.18	301.78	12.74	314.52	50.37	364.89	49.94

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/Nov/2012

Position as on 6.30 Hrs of 29/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
CPP WPCL U-3	135	26/11/2012	17.33		Continued.	Annual Shutdown.	
Parli Unit 4	210	28/11/2012	02.37		Continued.	W/DN due to water shortage.	
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.	
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	
Uran Unit 6	108	24/11/2012	11.44		Continued.	Gas shortage.	
Bhusawal Unit 5	500	25/11/2012	07.32		Continued.	Coal Shortage	
Khaparkheda Unit 2	210	28/11/2012	01.47	28/11/2012	05.03	Flame Failure.	
Paras Unit 4	250	28/11/2012	06.36	28/11/2012	09.13	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Nov/2012

Position as on 6.30 Hrs of 29/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 FORCED OUTAGE		
Akola - Wardha - II	28/11/2012	14.06	28/11/2012	17.43	Hot Spot Attending Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur(PGCIL)-I	17/11/2012	11.09		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	26/11/2012	22.46	28/11/2012	11.31	Over Voltage
Kolhapur - Mapusa - II	27/11/2012	15.53		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	28/11/2012	21.10		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)
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 - I @ Khadka	27/11/2012	09.57		Continued.	Replacement of Main Bus-I P G Isolator of Aurangabad Bay.
Khadka - Aurangabad	27/11/2012	11.58		Continued.	Replacement of Main Bus-I P G Isolator.
400 KV TBC- I @ Chandrapur	28/11/2012	09.30	28/11/2012	15.15	Measurment of Capacitance & Tan Delta of R,Y,B CT's,CRM,Routine Maintenance of the Bay.
400/220 KV 315 MVA ICT - II @ Koradi.	28/11/2012	10.38	28/11/2012	14.45	Measurment of Tan Delta of L V Side C T's.
Khadka - Deepnagar - II	28/11/2012	11.13	28/11/2012	17.48	For Moification of Scada Work.
400/220KV,500 MVA ICT-III at Kolhapur	28/11/2012	13.03	28/11/2012	17.22	Repairing,Testing & Refilling of Air Cell of Y Ph.
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-Kharghar line.
220/110KV, 200MVA T/F-III at Mudshingi	27/11/2012	10.30		Continued.	Removing Leakage.
Kalwa-Colourchem	28/11/2012	08.07		Continued.	Replacement of 29A Isolator Under

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Nov/2012

Position as on 6.30 Hrs of 29/Nov/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
					JICA -II (Taken on TBC).
220/33 KV 100 MVA ICT-II @ Versova	28/11/2012	09.38	28/11/2012	14.45	A M Work.
Versova-Boiser	28/11/2012	10.15	28/11/2012	14.58	Auto to Non Auto (Replacement of Porcelain Insulator String with Polymer Insulator).
Vita - Ghatnandare	28/11/2012	10.26	28/11/2012	14.25	Line Bay & Main Bus 1,2&3 Maintenance Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Jeur - Karjat	28/11/2012	12.48	28/11/2012	16.25	Relay Retrofitting & Testing Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
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	26/11/2012	17.57		Continued.	Over Voltage
Karad - Kolhapur - II	27/11/2012	16.53	28/11/2012	08.55	Over Voltage.
Karad - Kolhapur - I	27/11/2012	21.37	28/11/2012	08.27	Over Voltage.
Karad - Kolhapur - II	28/11/2012	19.38		Continued.	Over Voltage.
Karad - Kolhapur - I	28/11/2012	20.33		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 29/Nov/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	135
	620	265
Bhusawal		
Unit 2	210	0
Unit 3	210	200
Unit 4	500	270
Unit 5	500	0
	1420	470
Parli		
Unit 3	210	150
Unit 4	210	0
Unit 5	210	150
Unit 6	250	0
Unit 7	250	170
	1130	470
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	200
Unit 4	210	200
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2060
Paras		
Unit 3	250	240
Unit 4	250	240
	500	480
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	190
Unit 4	210	190
Unit 5	500	350
	1340	1070
Nasik		
Unit 3	210	200
Unit 4	210	190
Unit 5	210	190
	630	580
Uran		
All Units	852	310
	852	310
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	69

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	257
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	368
Adani	660	
Other CPPs	0	
	1665	1468
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	300
	2024	1730
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4733
	3455	4733