



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Nov/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Nov/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.821	3404.242	1) Gujrat	9.433	367.029
2) Hydro	6.523	272.080	2) Madhya Pradesh	16.047	515.451
3) Gas	8.875	241.863	3) Chattisgarh	11.570	362.640
Total MSGENCO	140.219	3918.185	4) Maharashtra	64.440	2103.597
B) 1) JSW JAIGAD	26.532	794.681	5) Goa	-5.470	-175.812
2) WPCL	8.834	227.362	6) TAPS 1&2 Injection	3.530	107.823
3) ADANI	0.000	81.500	7) RGPPL Injection	9.319	313.384
4) Other CPP / IPP	10.654	262.240	8) Pench (Excess)	-0.433	-15.957
5) Wind Generation	1.825	95.117	# Total Cent. Sector	108.436	3578.155
6) PENCH (MS)	0.433	16.616	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-6.927	-285.757
1) TPCL Thermal	26.815	768.164	G) Bilateral Power *		
2) TPCL Hydro	3.610	102.317	1) MSEDCL Bilateral	37.953	1279.171
TOTAL TPCL	30.425	870.481	Include PX	0.000	63.568
3) REL Thermal	12.249	368.500	2) MUMBAI Bilateral	9.809	335.772
D) STATE			Include PX	-1.926	8.109
1) Thermal (A1+C1+C3)	163.885	4540.906	3) MUMBAI Schedule	9.809	338.229
2) Hydro (A2+B5+C2)	10.566	391.013	H) ENERGY CATERED (MUs)		
3) Gas (A3)	8.875	241.863	1) MSEDCL	290.006	8688.099
4) Wind (B4)	1.825	95.117	2) TPCL	33.665	1028.151
5) CPP (B1+B2+B3)	46.020	1284.283	3) REL	15.936	496.553
TOTAL STATE	231.171	6553.182	TOTAL STATE	339.607	10212.803

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5245	5101	5346
MSGENCO Hydro	927	154	148
MSGENCO Gas	314	420	335
MSGENCO Total Generation	6486	5675	5829
Central Sector Receipt	5018	5071	3463
WIND	80	45	108
CPP / IPP	2053	2053	1830
Exchange with Mumbai	-325	-291	-172
MSEDCL DEMAND MET	13339	12553	11058
Load Shedding	625	420	150
MSEDCL DEMAND	13964	12973	11208
TPCL GENERATION	1677	1643	838
R-INFRA GENERATION	528	528	395
TPCL+R-INFRA DEMAND	2530	2462	1405
STATE DEMAND MET	15869	15015	12463
STATE DEMAND	16494	15435	12613
Frequency (Hz)	49.85	49.92	50.13

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.5 Hz at 23:58 Hrs	49.41 Hz at 05:52 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 30/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	3.47	97.77	152	135	145
Unit 7	3.49	87.60	165	120	155
Total	6.96	185.37			300
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.43	122.32	200	155	600
Unit 4	9.37	151.44	466	320	0
Unit 5	0.00	11.32	0	0	0
Total	13.80	285.08			600
Parli					
Unit 3	3.30	59.11	162	117	125
Unit 4	0.00	81.05	0	0	0
Unit 5	3.82	43.74	178	140	150
Unit 6	0.00	24.39	0	0	0
Unit 7	5.14	133.84	258	170	170
Total	12.27	342.13			445
Chandrapur					
Unit 1	3.71	103.00	158	150	160
Unit 2	1.35	83.35	163	0	160
Unit 3	4.76	124.07	204	187	200
Unit 4	4.69	136.76	202	185	200
Unit 5	10.18	286.20	455	350	450
Unit 6	10.47	263.32	462	400	450
Unit 7	9.63	270.61	460	356	400
Total	44.78	1267.32			2020
Paras					
Unit 3	5.03	142.21	232	190	250
Unit 4	4.84	141.62	231	184	250
Total	9.88	283.83			500
Khaparkheda					
Unit 1	3.90	93.22	195	110	170
Unit 2	3.87	110.98	180	138	170
Unit 3	4.19	123.24	187	155	180
Unit 4	4.08	123.18	190	156	180
Unit 5	9.40	227.74	435	358	350
Total	25.44	678.36			1050
Nasik					
Unit 3	4.56	125.59	210	90	200
Unit 4	2.67	123.12	199	0	190
Unit 5	4.46	113.44	192	178	190
Total	11.70	362.16			580
Uran					
All Units	8.88	241.86	447	303	330
Total	8.88	241.86			330
PENCH (MS)					
Pench (MS)	0.43	16.62	53	0	0
Total	0.43	16.62			0
Koyna					
Stage 1-2	1.56	86.50	310	35	440
Stage 4	0.45	63.82	200	0	250
Stage 3	0.28	32.72	80	0	240
Kovna 12&4 Total	2.01	150.33			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.30	183.05			930
Hydro					
KDPH	0.46	10.02	19	19	18
VTRNA	0.00	1.15	0	0	0
TILLARI	0.29	8.34	60	0	60
BHTGR/VEER	0.06	2.52	3	2	3
BHIRA T.R.	0.21	5.80	41	0	40
RNGR+BHTSA	0.40	11.04	17	16	15
BHANDARDRA	0.73	2.46	31	30	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.95	19.28	46	37	39
GHATGHAR	1.13	28.41	250	0	0
Total	4.23	89.03			175
Wind					
MalharPeth	0.10	5.53			
Vankuswadi	0.18	9.81			
ATIT	0.01	2.50			
Kale	0.05	2.70			
Satara	0.46	15.49			
Shirala	0.05	3.41			
K Mahankal	0.01	6.96			
Supa	0.11	2.58			
Vita	0.50	13.84			
Dondaicha	0.09	17.03			
Sakri	0.05	2.18			
Nandurbar	0.01	1.23			
Khandke	0.17	7.52			
Khaparale	0.03	4.35			
Total	1.82	95.12			
CPP					
JSW JAIGAD	26.53	794.68	1215	835	1100
WARDHA	8.83	227.36	372	363	368
Adani	0.00	81.50	0	0	
Other CPPs	10.65	251.83			
Total	46.02	1355.37			1468
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.86	284.00	502	284	500
Trombay 6	6.50	173.75	453	155	500
Trombay 7A	3.02	89.38	130	120	120
Trombay 7B	1.66	49.45	71	68	60
Trombay 8	5.76	171.59	253	196	250
TATA Hydro	3.61	102.32	306	0	318
Total	30.42	870.48			1748
REL					
1&2	12.25	368.50	529	389	500
Total	12.25	368.50			500
Cent Sect					
Share					4844
Total					4844

MS PG CL	Thermal	124.82	3404.24		5495
	Thml+Gas	133.70	3646.10		5825
	Hydro	6.52	272.08		1105
	Total	140.22	3918.18		6930
State Total		231.17	6553.18		15490

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	5424	153	329	5906	148	1836	3973	3605	-383	-35	11460	28	11488	1600	13088	50.06
2	5355	153	339	5847	152	1833	3654	3500	-312	-115	11217	61	11278	1469	12747	50.11
3	5346	148	335	5829	108	1830	3589	3463	-273	-172	11058	150	11208	1405	12613	50.13
4	5325	157	339	5821	143	1797	3582	3464	-265	-131	11094	249	11343	1361	12704	50.24
5	5260	157	340	5757	162	1837	3587	3625	-264	-109	11272	296	11568	1355	12923	50.03
6	5276	152	337	5765	151	1848	3952	4118	-264	-47	11835	482	12317	1456	13773	49.85
7	5313	147	338	5798	139	1885	4517	4591	-296	-194	12219	886	13105	1608	14713	49.95
8	5372	152	338	5862	134	2027	4644	4959	-306	-273	12709	876	13585	1743	15328	49.90
9	5219	227	330	5776	99	2037	4847	5193	-307	-314	12791	876	13667	1994	15661	49.86
10	5165	550	322	6037	85	2058	4912	4920	-374	-253	12863	664	13527	2298	15825	49.86
11	5245	927	314	6486	80	2053	4827	5018	-489	-325	13339	625	13964	2530	16494	49.85
12	5220	877	310	6407	34	2062	4879	4869	-535	-344	13055	856	13911	2575	16486	49.86
13	5195	607	307	6109	14	2047	4969	4818	-520	-362	12653	983	13636	2569	16205	49.82
14	5291	388	303	5982	18	2055	4923	4690	-480	-293	12479	879	13358	2456	15814	49.91
15	5131	177	406	5714	31	2046	4928	5019	-479	-312	12525	762	13287	2476	15763	49.84
16	5107	145	414	5666	46	2055	5179	5081	-486	-308	12546	626	13172	2468	15640	49.83
17	5101	154	420	5675	45	2053	5188	5071	-479	-291	12553	420	12973	2462	15435	49.92
18	5027	144	422	5593	44	2013	4591	4633	-413	-233	12067	366	12433	2454	14887	49.85
19	5069	245	426	5740	61	1823	5210	4817	-485	-379	12115	159	12274	2540	14814	49.99
20	4963	254	435	5652	49	1837	5169	5122	-506	-406	12307	83	12390	2480	14870	49.97
21	5173	176	438	5787	30	1828	4832	4633	-499	-566	11765	75	11840	2368	14208	50.16
22	5084	145	443	5672	17	1826	4738	4585	-472	-595	11558	74	11632	2177	13809	50.13
23	5103	144	443	5690	18	1720	4560	4393	-466	-530	11338	66	11404	1977	13381	50.16
24	5057	144	447	5648	17	1614	4338	4249	-459	-340	11188	28	11216	1780	12996	50.10
MUs	124.82	6.52	8.88	140.22	1.82	46.02	109.59	108.44	-9.81	-6.93	290.01	10.57	300.58	49.60	350.18	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 30/Nov/2012

Position as on 6.30 Hrs of 01/Dec/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.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
CPP JSW (J) U4	300	30/11/2012	23.32		Continued.	Planned shutdown A.M.	
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	30/11/2012	10.45	Generator Protection.	
Dabhol 2X	290	12/11/2012	10.00	30/11/2012	13.11	Generator Protection.	
Uran Unit 5	108	19/11/2012	23.55		Continued.	Gas Shortage	
Uran Unit 6	108	24/11/2012	11.44	30/11/2012	14.06	Gas shortage.	
Bhusawal Unit 5	500	25/11/2012	07.32		Continued.	Coal Shortage	
Chandrapur Unit 2	210	30/11/2012	08.22		Continued.	Boiler tube leakage.	
Nasik Unit 4	210	30/11/2012	14.50		Continued.	Boiler tube leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Nov/2012

Position as on 6.30 Hrs of 01/Dec/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule - S'Sarovar- II	29/11/2012	09.56		Continued.	Opportunity outage, Ready for charging 18.00 Hrs.
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
Nasik-Navsari-I	29/11/2012	11.43	30/11/2012	18.48	Conversion of SSN to DSN.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur(PGCIL)-I	17/11/2012	11.09		Continued.	Over Voltage
Kolhapur - Mapusa - II	27/11/2012	15.53		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)
Seoni-Wardha-II 765KV.	29/11/2012	21.06		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	30/11/2012	08.07	30/11/2012	19.24	Construction of fire wall.
80 MVAR Reactor @ Kharghar	30/11/2012	09.01	30/11/2012	17.23	Testing work.
Lonikand - Parli - I	30/11/2012	09.07	30/11/2012	17.27	Attending hot spot.(Ckt charged through TBC.)
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.
Kandalgaon - Sonalloy	29/11/2012	11.41	30/11/2012	23.10	220KV CT's repl.work.
Bhosari-Telco	29/11/2012	12.38	30/11/2012	19.09	Lilo at 220KV Bhosari S/S.
Bhosari - Chakan	29/11/2012	12.42	30/11/2012	19.16	Lilo at 220KV Bhosari S/S.
Padgha - Jindal	30/11/2012	08.44	30/11/2012	17.32	CT tan delta testing work.
Oni - Kharepatan	30/11/2012	09.13	30/11/2012	20.25	CB overhauling work.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Nov/2012

Position as on 6.30 Hrs of 01/Dec/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/22 KV 50 MVA T/F III at Kolshet	30/11/2012	09.13	30/11/2012	16.50	Tan delta bushing work.
Kandalgaon - ONGC	30/11/2012	09.36	30/11/2012	19.17	Line isolator,LA replacement.
Aarey-Versova-II	30/11/2012	09.44	30/11/2012	17.34	A.M.Work
Nagothane - ACCIL	30/11/2012	10.24	30/11/2012	11.30	Breaker problem.
Apta - Tambati	30/11/2012	12.05	30/11/2012	21.47	CB problem.
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	30/11/2012	19.07	Over Voltage
Bhusawal- Aurangabad	26/11/2012	17.57		Continued.	Over Voltage
Karad-Kolhapur-II	29/11/2012	16.13	30/11/2012	08.56	Over Voltage.
Karad - Kolhapur - I	29/11/2012	20.43	01/12/2012	07.41	Over Voltage.
Karad - Kolhapur - II	30/11/2012	20.18		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.
Khadka-Deepnagar-I	30/11/2012	18.40		Continued.	VT relay of M.B-I burnt.Line is ready for charging at 19.56 hrs.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Dec/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	140
	620	280
Bhusawal		
Unit 2	210	0
Unit 3	210	505
Unit 4	500	0
Unit 5	500	0
	1420	505
Parli		
Unit 3	210	140
Unit 4	210	0
Unit 5	210	160
Unit 6	250	0
Unit 7	250	175
	1130	475
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	200
Unit 4	210	200
Unit 5	500	270
Unit 6	500	350
Unit 7	500	350
	2340	1530
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	200
Unit 4	210	0
Unit 5	210	190
	630	390
Uran		
All Units	852	430
	852	430
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	440
Stage 4	1000	250
Stage 3	320	240
	1920	930
Hydro		
KDPH	40	19
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	20
GHATGHAR	250	0
	611	178
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	824
WARDHA	405	370
Adani	660	
Other CPPs	0	
	1665	1194
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	318
	2024	1748
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5329
	3455	5329