



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Nov/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Nov/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.196	2181.604	1) Gujrat	13.037	243.668
2) Hydro	5.650	179.388	2) Madhya Pradesh	16.954	357.950
3) Gas	5.763	165.987	3) Chattisgarh	11.480	243.680
Total MSGENCO	121.609	2526.979	4) Maharashtra	68.878	1418.492
B) 1) JSW JAIGAD	25.363	530.860	5) Goa	-5.438	-119.914
2) WPCL	8.487	139.115	6) TAPS 1&2 Injection	3.799	75.370
3) ADANI	0.000	81.500	7) RGPPL Injection	12.987	209.931
4) Other CPP / IPP	9.089	161.222	8) Pench (Excess)	-0.463	-11.237
5) Wind Generation	6.601	76.999	# Total Cent. Sector	121.234	2417.940
6) PENCH (MS)	0.463	11.896	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.543	-192.365
1) TPCL Thermal	24.556	524.589	G) Bilateral Power *		
2) TPCL Hydro	3.472	65.306	1) MSEDCL Bilateral	41.786	884.235
TOTAL TPCL	28.028	589.895	Include PX	1.722	56.620
3) REL Thermal	11.628	246.332	2) MUMBAI Bilateral	10.480	234.683
D) STATE			Include PX	-0.845	26.903
1) Thermal (A1+C1+C3)	146.380	2952.525	3) MUMBAI Schedule	10.480	234.896
2) Hydro (A2+B5+C2)	9.585	256.590	H) ENERGY CATERED (MUs)		
3) Gas (A3)	5.763	165.987	1) MSEDCL	283.303	5754.146
4) Wind (B4)	6.601	76.999	2) TPCL	33.577	692.764
5) CPP (B1+B2+B3)	42.939	831.197	3) REL	15.620	335.866
TOTAL STATE	211.268	4283.298	TOTAL STATE	332.500	6782.776

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4696	5024	4053
MSGENCO Hydro	360	375	110
MSGENCO Gas	245	234	261
MSGENCO Total Generation	5301	5633	4424
Central Sector Receipt	6107	5636	3975
WIND	377	47	467
CPP / IPP	1984	1814	1587
Exchange with Mumbai	-473	-487	-184
MSEDCL DEMAND MET	13319	12643	10269
Load Shedding	685	243	46
MSEDCL DEMAND	14004	12886	10315
TPCL GENERATION	1488	1484	835
R-INFRA GENERATION	528	527	381
TPCL+R-INFRA DEMAND	2489	2498	1400
STATE DEMAND MET	15808	15141	11669
STATE DEMAND	16493	15384	11715
Frequency (Hz)	50.00	49.93	50.06

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.43 Hz at 21.00 Hrs	49.61 Hz at 17.37 Hrs	50.01	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 20/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	3.36	65.45	152	123	140
Unit 7	3.22	57.90	155	0	165
Total	6.58	123.35			305
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.00	79.27	180	135	195
Unit 4	9.16	78.52	478	260	0
Unit 5	0.00	6.27	0	0	0
Total	13.16	164.06			195
Parli					
Unit 3	2.20	24.73	120	0	100
Unit 4	0.00	61.68	0	0	0
Unit 5	2.13	32.44	143	0	140
Unit 6	0.00	24.39	0	0	0
Unit 7	4.11	86.80	214	126	183
Total	8.45	230.03			423
Chandrapur					
Unit 1	3.51	66.49	154	123	160
Unit 2	3.59	48.41	160	134	160
Unit 3	4.66	76.81	205	167	200
Unit 4	4.54	90.77	203	160	200
Unit 5	9.61	185.50	440	350	400
Unit 6	3.71	157.34	393	0	0
Unit 7	8.51	176.64	390	325	350
Total	38.14	801.96			1470
Paras					
Unit 3	4.85	89.86	230	174	250
Unit 4	4.82	90.03	239	150	250
Total	9.67	179.89			500
Khaparkheda					
Unit 1	0.00	58.56	0	0	0
Unit 2	4.23	74.42	202	150	170
Unit 3	4.22	80.70	187	165	180
Unit 4	4.30	80.33	193	168	180
Unit 5	8.99	144.73	438	318	300
Total	21.74	438.75			830
Nasik					
Unit 3	3.86	83.64	190	0	180
Unit 4	4.31	82.59	191	167	180
Unit 5	4.29	77.33	196	150	180
Total	12.46	243.56			540
Uran					
All Units	5.76	165.99	269	191	240
Total	5.76	165.99			240
PENCH (MS)					
Pench (MS)	0.46	11.90	52	0	
Total	0.46	11.90			
Koyna					
Stage 1-2	2.02	60.27	340	40	600
Stage 4	0.00	45.43	0	0	250
Stage 3	0.39	22.52	116	0	320
Kovna 12&4 Total	2.02	105.70			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.41	128.22			1170
Hydro					
KDPH	0.46	5.45	20	19	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.36	5.69	60	0	60
BHTGR/VEER	0.07	1.73	3	3	3
BHIRA T.R.	0.14	3.74	43	0	40
RNGR+BHTSA	0.40	7.37	17	16	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.80	10.10	39	31	10
GHATGHAR	1.00	17.09	250	0	0
Total	3.24	51.16			146
Wind					
MalharPeth	0.64	4.49			
Vankuswadi	0.77	7.90			
ATIT	0.21	2.35			
Kale	0.21	2.31			
Satara	0.64	13.19			
Shirala	0.40	3.09			
K Mahankal	0.45	5.83			
Supa	0.14	1.92			
Vita	1.04	11.71			
Dondaicha	1.10	12.02			
Sakri	0.18	1.43			
Nandurbar	0.07	0.85			
Khandke	0.43	6.13			
Khaparale	0.33	3.77			
Total	6.60	77.00			
CPP					
JSW JAIGAD	25.36	530.86	1207	944	1100
WARDHA	8.49	139.12	369	295	365
Adani	0.00	81.50	0	0	
Other CPPs	9.09	161.22			
Total	42.94	912.70			1465
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.50	208.52	505	286	500
Trombay 6	4.81	109.80	359	156	500
Trombay 7A	3.01	59.33	130	119	120
Trombay 7B	1.66	32.84	70	68	60
Trombay 8	5.58	114.10	253	195	250
TATA Hydro	3.47	65.31	306	0	317
Total	28.03	589.90			1747
REL					
1&2	11.63	246.33	529	379	500
Total	11.63	246.33			500
Cent Sect					
Share					5436
Total					5436

MS PG CL	Thermal	110.20	2181.60			4263
	Thml+Gas	115.96	2347.59			4503
	Hydro	5.65	179.39			1316
	Total	121.61	2526.98			5819
State Total		211.27	4283.30			14967

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	4184	110	260	4554	517	1639	4481	4271	-413	-372	10609	9	10618	1614	12232	50.07
2	4100	110	260	4470	489	1582	4030	4022	-274	-270	10293	26	10319	1483	11802	50.08
3	4053	110	261	4424	467	1587	3971	3975	-226	-184	10269	46	10315	1400	11715	50.06
4	4104	110	261	4475	467	1582	3943	3953	-196	-139	10338	47	10385	1354	11739	50.06
5	4119	115	261	4495	441	1591	3938	4202	-194	-152	10580	55	10635	1368	12003	49.99
6	4334	115	269	4718	433	1711	4537	4730	-282	-237	11378	87	11465	1451	12916	49.98
7	4339	335	269	4943	468	1755	4911	5036	-294	-345	11880	234	12114	1562	13676	49.98
8	4377	285	268	4930	428	1834	4988	5285	-300	-209	12291	689	12980	1695	14675	49.97
9	4520	174	254	4948	356	1987	5493	5477	-344	-264	12528	737	13265	1954	15219	49.89
10	4551	341	252	5144	347	1986	5652	5683	-444	-319	12865	589	13454	2259	15713	50.01
11	4553	495	248	5296	373	1984	6036	6082	-597	-424	13335	535	13870	2448	16318	50.02
12	4696	360	245	5301	377	1984	6154	6107	-681	-473	13319	685	14004	2489	16493	50.00
13	4826	231	241	5298	225	1987	6093	5828	-668	-520	12841	808	13649	2523	16172	50.04
14	4904	115	240	5259	131	1955	6118	5791	-619	-462	12697	678	13375	2432	15807	50.08
15	5000	115	240	5355	60	1814	5970	6091	-610	-478	12865	375	13240	2449	15689	49.91
16	5013	192	240	5445	54	1807	5755	6105	-604	-456	12958	325	13283	2458	15741	49.86
17	5024	375	234	5633	47	1814	5568	5636	-565	-487	12643	243	12886	2498	15384	49.93
18	4980	537	232	5749	78	1762	4695	4550	-340	-354	11795	211	12006	2470	14476	49.94
19	4960	570	191	5721	133	1763	5405	5229	-474	-432	12464	152	12616	2524	15140	49.98
20	4927	317	206	5450	172	1761	5300	5135	-496	-648	11920	252	12172	2493	14665	50.01
21	4874	180	209	5263	157	1769	4813	4861	-465	-630	11472	228	11700	2308	14008	50.10
22	4820	123	207	5150	132	1764	4691	4384	-465	-641	10841	225	11066	2131	13197	50.13
23	4522	120	208	4850	112	1771	4353	4433	-465	-556	10620	108	10728	1980	12708	50.10
24	4416	115	207	4738	137	1750	4335	4364	-465	-491	10498	91	10589	1857	12446	50.11
MUs	110.20	5.65	5.76	121.61	6.60	42.94	121.23	121.23	-10.48	-9.54	283.30	7.44	290.73	49.20	339.93	50.01

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 20/Nov/2012

Position as on 6.30 Hrs of 21/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.	
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	
Uran Unit 7	108	26/10/2012	13.26		Continued.	Gas Shortage	
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		Continued.	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.	
Parli Unit 3	210	11/11/2012	22.25	20/11/2012	01.24	Water Shortage	
Dabhol 2A	230	12/11/2012	10.00		Continued.	Generator Protection.	
Dabhol 2X	290	12/11/2012	10.00		Continued.	Generator Protection.	
Bhusawal Unit 5	500	12/11/2012	20.08		Continued.	Vibration Problem.	
Khaparkheda Unit 1	210	16/11/2012	19.52		Continued.	BLR T/L.	21/11/2012
Chandrapur Unit 6	500	16/11/2012	22.11	20/11/2012	12.35	BLR T/L.	
Parli Unit 4	210	19/11/2012	03.05		Continued.	Boiler Tube Leakage	
Uran Unit 5	108	19/11/2012	23.55		Continued.	Gas Shortage	
Koyna Unit 10	80	20/11/2012	08.00	20/11/2012	17.30	R. M. Work.	
Parli Unit 5	210	20/11/2012	15.50		Continued.	Flame Failure.	
Nasik Unit 3	210	20/11/2012	21.55	21/11/2012	05.00	UAT Work.	
Koradi Unit 7	210	20/11/2012	22.33	21/11/2012	02.08	IP Turbine Problem.	
Koyna Unit 5	80	20/11/2012	23.45		Continued.	Excitation Shutdown Problem.	
Parli Unit 7	250	21/11/2012	04.05	21/11/2012	07.05	Furnace Pressure High.	
Koradi Unit 7	210	21/11/2012	04.52	21/11/2012	06.38	Drum Level Low.	
Nasik Unit 3	210	21/11/2012	06.07		Continued.	G.T.Breaker B Ph. Coal Burst.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Nov/2012

Position as on 6.30 Hrs of 21/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
Dhule-Sar'Sarovar - II	15/11/2012	23.16		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	17/11/2012	11.09		Continued.	Over Voltage
Wardha - Akola - II	20/11/2012	22.00	21/11/2012	07.06	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	19/11/2012	12.37		Continued.	Replacement of Disc Insulator
TBC at 400KV Aurangabad	20/11/2012	14.55	20/11/2012	17.25	Measurment of Breaker Timings, Measurement of Contact Regsistances.
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 22.11.12)
Mahape - Siemens	19/10/2012	10.09		Continued.	Mumbai Strengthening work(Till 22.11.12)
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).
220/132 200 MVA ICT - I @ Harangul	20/11/2012	08.24	20/11/2012	11.53	Attending Hot Spot & Replacement of Faulty Jumper.& Q.M.Work.
Ghodbandar-Varsowa	20/11/2012	09.15	20/11/2012	16.35	A. M. Work.
Kolhapur - Peth	20/11/2012	09.30	20/11/2012	13.50	Routine Maintenance Work.
Dondaicha - Jamde - I	20/11/2012	11.40	20/11/2012	14.03	Measurment of Tan Delts of C T.
Dondaicha - Jamde - II.	20/11/2012	15.50	20/11/2012	17.40	Measurment of Tan Delts of C T.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Dondaicha - Jamde - I	20/11/2012	15.15	20/11/2012	15.40	Attending Oil Leakages of C T.
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

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Nov/2012

Position as on 6.30 Hrs of 21/Nov/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - II	18/11/2012	20.47	20/11/2012	08.27	Over Voltage
Karad - Kolhapur - I	19/11/2012	17.01		Continued.	Over Voltage
Bhusawal- Aurangabad	19/11/2012	19.04	20/11/2012	08.24	Over Voltage
Lonikand- Koyna Stage IV	19/11/2012	22.24	20/11/2012	07.55	Over Voltage
Lonikand- Koyna Stage IV	20/11/2012	23.54		Continued.	Over Voltage.
Karad - Kolhapur - II	21/11/2012	01.05		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.
Koradi - Indiabull (Nandgaonpeth)	20/11/2012	13.44	20/11/2012	13.55	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Trombay Sonkhar	20/11/2012	09.46	20/11/2012	10.11	Distance Protection.
Bombay Dyeing - Sahara	20/11/2012	12.35	20/11/2012	13.45	Distance Protection.
Peth -Mudshingi	20/11/2012	17.03	20/11/2012	21.10	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Ujani-Umarga	20/11/2012	01.20	20/11/2012	01.40	Distance Protection
Ujani-Umarga	20/11/2012	02.27	20/11/2012	02.40	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Nov/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	0
	620	140
Bhusawal		
Unit 2	210	0
Unit 3	210	180
Unit 4	500	
Unit 5	500	
	1420	180
Parli		
Unit 3	210	110
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	110
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	200
Unit 4	210	200
Unit 5	500	420
Unit 6	500	410
Unit 7	500	360
	2340	1900
Paras		
Unit 3	250	210
Unit 4	250	220
	500	430
Khaparkheda		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	180
Unit 4	210	180
Unit 5	500	350
	1340	880
Nasik		
Unit 3	210	0
Unit 4	210	190
Unit 5	210	190
	630	380
Uran		
All Units	852	300
	852	300
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	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	
	611	146
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	366
Adani	660	
Other CPPs	0	
	1665	1466
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	306
	2024	1736
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5189
	3455	5189