



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Feb/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Feb/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.484	2577.131	1) Gujrat	4.953	122.835
2) Hydro	6.242	189.658	2) Madhya Pradesh	23.123	428.824
3) Gas	14.110	239.693	3) Chattisgarh	14.260	265.700
Total MSGENCO	145.836	3006.482	4) Maharashtra	54.086	1012.978
B) OTHERS			5) Goa	-7.240	-131.613
1) JSW JAIGAD	25.574	503.756	6) TAPS 1&2 Injection	7.766	163.458
2) WPCL	7.155	166.897	7) RGPPL Injection	24.034	502.577
3) Other CPP / IPP	7.823	150.527	8) Pench (Excess)	-0.616	-9.211
4) Wind Generation	2.826	86.703	# Total Cent. Sector	120.366	2355.548
5) PENCH (MS)	0.616	9.456	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.304	-171.473
1) TPCL Thermal	27.071	411.705	G) Bilateral Power *		
2) TPCL Hydro	3.360	89.396	1) MSEDCL Bilateral	37.621	718.414
TOTAL TPCL	30.431	501.101	Include PX	2.212	24.389
3) REL Thermal	12.321	260.577	2) MUMBAI Bilateral	9.067	164.404
D) STATE			Include PX	-1.441	-59.347
1) Thermal (A1+C1+C3)	164.876	3249.413	3) MUMBAI Schedule	9.067	188.168
2) Hydro (A2+B5+C2)	10.218	288.510	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.110	239.693	1) MSEDCL	301.892	6107.896
4) Wind (B4)	2.826	86.703	2) TPCL	34.469	623.810
5) CPP (B1+B2+B3)	40.552	821.180	3) REL	16.586	308.076
TOTAL STATE	232.582	4685.499	TOTAL STATE	352.947	7039.782

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5374	5365	4767
MSGENCO Hydro	521	282	111
MSGENCO Gas	579	597	582
MSGENCO Total Generation	6474	6244	5460
Central Sector Receipt	5221	5168	4905
WIND	56	177	136
CPP / IPP	1802	1796	1448
Exchange with Mumbai	-459	-396	-151
MSEDCL DEMAND MET	13148	13042	11798
Load Shedding (LS)	1779	471	0
MSEDCL DEMAND (INCL. LS)	14927	13513	11798
TPCL GENERATION	1637	1607	811
REL GENERATION	528	527	460
TPCL+REL DEMAND	2624	2530	1422
STATE DEMAND MET	15772	15572	13220
Load Management (LM)	2273	3586	1601
Total Load Relief (LS+LM)	4052	4057	1601
UNRESTRICTED STATE DEMAND	19824	19629	14821
Frequency (Hz)	49.71	49.77	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 17.04 Hrs	49.33 Hz at 23.05 Hrs	49.83	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 21/Feb/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.01	59.06	6	0	0
Unit 6	3.40	73.03	155	120	145
Unit 7	3.83	82.77	180	140	170
Total	7.24	214.85			315
Bhusawal					
Unit 2	3.78	83.37	180	140	160
Unit 3	4.17	69.65	190	135	160
Unit 4	0.00	0.00	0	0	
Total	7.96	153.02			320
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.22	93.11	200	158	170
Unit 5	3.58	79.14	158	129	155
Unit 6	4.39	81.26	201	157	175
Unit 7	4.34	101.59	204	167	175
Total	16.53	355.10			675
Chandrapur					
Unit 1	3.82	53.72	162	154	160
Unit 2	3.93	83.35	169	153	165
Unit 3	3.90	85.65	182	134	170
Unit 4	4.88	102.27	210	188	210
Unit 5	10.80	230.77	480	350	475
Unit 6	10.75	218.90	477	360	450
Unit 7	10.32	204.57	450	365	450
Total	48.39	979.21			2080
Paras					
Unit 3	5.83	100.58	263	230	250
Unit 4	6.06	113.04	261	241	250
Total	11.89	213.62			500
Khaparkheda					
Unit 1	4.84	93.96	215	170	210
Unit 2	4.41	77.98	200	170	180
Unit 3	4.84	92.75	223	182	210
Unit 4	5.15	108.55	222	191	210
Unit 5	0.00	41.94	0	0	
Total	19.23	415.18			810
Nasik					
Unit 3	4.93	104.33	220	180	210
Unit 4	4.64	88.53	210	165	210
Unit 5	4.68	53.28	206	166	210
Total	14.25	246.15			630
Uran					
All Units	14.11	239.69	604	574	600
Total	14.11	239.69			600
PENCH (MS)					
Pench (MS)	0.62	9.46	54	0	
Total	0.62	9.46			
Koyna					
Stage 1-2	1.19	41.68	115	40	600
Stage 4	0.00	15.36	0	0	250
Stage 3	0.25	12.65	160	0	320
Total	1.44	69.69			1170
Kovna 12&4 Total	1.19	57.04			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	6.80	0	0	20
VTRNA	0.56	15.78	61	0	60
TILLARI	0.36	7.38	60	0	60
BHTGR/VEER	0.05	4.18	2	2	0
BHIRA T.R.	0.10	5.33	40	0	40
RNGR+BHTSA	0.37	7.46	17	15	15
BHANDARDRA	0.00	10.55	0	0	0
ELDARY	0.31	3.22	14	12	0
SMLHY PTN	0.93	20.26	46	36	25
GHATGHAR	2.12	38.98	250	0	0
Total	4.81	119.97			220
Wind					
MalharPeth	0.14	4.03			
Vankuswadi	0.30	5.63			
ATIT	0.04	1.80			
Kale	0.11	2.14			
Satara	0.36	10.87			
Shirala	0.12	2.46			
K Mahankal	0.22	4.27			
Supa	0.03	2.31			
Vita	0.46	10.78			
Dondaicha	0.70	28.11			
Sakri	0.06	3.48			
Nandurbar	0.15	2.75			
Khandke	0.04	5.12			
Khaparale	0.11	2.96			
Total	2.83	86.70			
CPP					
JSW JAIGAD	25.57	503.76	1143	941	1060
WARDHA	7.16	166.90	334	216	330
Other CPPs	7.82	150.53			
Total	40.55	821.18			1390
Tata					
Trombay 4	0.00	1.57	0	0	0
Trombay 5	10.20	80.98	502	285	500
Trombay 6	6.99	119.21	434	154	500
Trombay 7A	2.81	59.74	128	89	120
Trombay 7B	1.60	33.57	69	58	60
Trombay 8	5.47	116.63	250	173	250
TATA Hydro	3.36	89.40	346	0	447
Total	30.43	501.10			1877
REL					
1&2	12.32	260.58	530	458	500
Total	12.32	260.58			500
Cent Sect					
Share					5202
Total					5202

MS PG CL	Thermal	125.48	2577.13			5330
	Thml+Gas	139.59	2816.82			5930
	Hydro	6.24	189.66			1390
	Total	145.84	3006.48			7320
State Total		232.58	4685.50			16289

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/Feb/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	5246	106	581	5933	135	1513	4890	4720	-337	-369	11932	1980	11932	1652	15564	49.87
2	4986	106	583	5675	135	1501	4891	4783	-300	-235	11859	1929	11859	1502	15290	49.94
3	4767	111	582	5460	136	1448	4993	4905	-363	-151	11798	1601	11798	1422	14821	49.98
4	4749	106	577	5432	140	1449	4991	4962	-367	-99	11884	1757	11884	1369	15010	49.93
5	4774	116	584	5474	121	1450	4988	5152	-365	-115	12082	1787	12082	1386	15255	49.88
6	5187	121	594	5902	132	1516	4766	5181	-201	-218	12517	2178	12797	1527	16222	49.87
7	5333	147	595	6075	115	1725	4756	5070	-184	-271	12741	3204	13961	1704	17649	49.75
8	5344	201	603	6148	78	1770	5024	4932	-227	-275	12679	3638	14168	1833	18150	49.77
9	5314	420	601	6335	69	1789	5039	5132	-275	-268	13082	3862	14628	2054	18998	49.88
10	5272	492	582	6346	98	1800	5157	5170	-358	-335	13104	4134	14910	2331	19569	49.89
11	5318	509	575	6402	88	1813	5237	5130	-443	-397	13061	4172	14955	2546	19779	49.78
12	5374	521	579	6474	56	1802	5253	5221	-460	-459	13148	4052	14927	2624	19824	49.71
13	5298	516	584	6398	50	1784	5230	5041	-460	-438	12886	4181	14830	2619	19686	49.75
14	5290	441	578	6309	76	1793	5190	5139	-391	-451	12917	3828	14562	2536	19281	49.77
15	5339	366	574	6279	97	1794	5200	5164	-380	-450	12934	3494	14399	2580	19008	49.83
16	5326	361	579	6266	111	1800	5219	5481	-438	-525	13158	3581	14818	2596	19335	49.80
17	5356	139	580	6075	153	1797	4990	4974	-438	-508	12498	3887	14046	2596	18981	49.85
18	5329	134	584	6047	138	1795	5004	4315	-437	-429	11866	3510	12594	2580	17956	49.85
19	5353	247	592	6192	160	1804	5072	4623	-396	-351	12481	4019	12967	2456	18956	49.81
20	5365	282	597	6244	177	1796	5276	5168	-469	-396	13042	4057	13513	2530	19629	49.77
21	5339	260	595	6194	192	1704	5229	4901	-459	-353	12688	3909	13033	2386	18983	49.82
22	5325	184	603	6112	132	1665	5180	4925	-459	-369	12516	3792	12767	2227	18535	49.89
23	5292	244	604	6140	113	1630	4947	5239	-440	-438	12709	3456	12932	2083	18248	49.78
24	5208	112	604	5924	124	1614	4812	5038	-418	-404	12310	2951	12485	1917	17178	49.78
MUs	125.48	6.24	14.11	145.84	2.83	40.55	121.33	120.37	-9.07	-8.30	301.89	78.96	322.85	51.06	431.91	49.83

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 21/Feb/2012

Position as on 6.30 Hrs of 22/Feb/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	12/11/2011	21.25		Continued.	Annual Overhaul.	25/02/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	25/02/2012
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	29/02/2012
Dabhol 3B	230	04/02/2012	23.43		Continued.	Gas Shortage	
Dabhol 1A	230	09/02/2012	14.51		Continued.	Gas Shortage	
Uran Unit 8	108	11/02/2012	12.02		Continued.	Gas Shortage	
Khaparkheda Unit 5	500	13/02/2012	22.18		Continued.	Low Vacuum.	
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdran.	
Koradi Unit 5	200	19/02/2012	12.20	21/02/2012	23.43	I D Fan Problem.	
Dabhol 3A	230	21/02/2012	21.58		Continued.	Gas shortage.	
Dabhol 3X	290	21/02/2012	21.58		Continued.	Gas shortage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Feb/2012

Position as on 6.30 Hrs of 22/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur	29/12/2011	07:54		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temprory reconfigured as Tarapur-Boisar ckt-II
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	14/02/2012	16.06	21/02/2012	06.43	Over Voltage.
Parly(PG) - Wardha (PG) - I	15/02/2012	17.03		Continued.	Over Voltage
Kolhapur - Mapusa - I	20/02/2012	18.32	21/02/2012	10.23	Over Voltage.
Kolhapur - Mapusa - II	21/02/2012	16.23	21/02/2012	19.21	Over Voltage.
Dhule-Sar'Sarovar - I	21/02/2012	23.35		Continued.	Over Voltage.
Kolhapur-Mapusa-II	21/02/2012	23.37		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Boisar (PGCIL)	20/02/2012	12.16	21/02/2012	00.11	Outage on 220 KV Nalasopara-Padgha line.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole I Padgha	21/02/2012	22.05	22/02/2012	02.49	Replacement of buchholz relay with faulty alarm contacts of Pole-I smoothing reactor.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Bus Coupler @ Padgha	15/02/2012	09.47		Continued.	Breaker overhauling(Up to 20/2/12)
400/220 KV315 MVA ICT-I @ BBLR	18/02/2012	08.40	21/02/2012	17.30	Oil Filtration Work.(kept on HV side humming.)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA (Up to 29/2/12)
Boiser - Borivali	29/12/2011	08.40		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temporary reconfigured as Tarapur-Boisar ckt-II
Uran-Kharghar-II	15/02/2012	07.42		Continued.	Mumbai system strengthing work
Khargar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthing work
Kharghar-TSS	18/02/2012	08.52	18/02/2012	Continued.	Temporary Reconfigured as Uran-TSS @ 20.30 DT 18.02.2012.
Uran - Kharghar - I	19/02/2012	07.50		Continued.	Mumbai System Strengthening Work.
220/132 KV 100 MVA T/F - I @ Oglewadi	20/02/2012	11.50		Continued.	Replacement of CTR valve and attending oil leakage.
Pedambe-Mahad	21/02/2012	10.00	21/02/2012	18.20	R.M.Work
220/100KV,100MVA T/F-II at Tambati	21/02/2012	10.00	21/02/2012	19.55	R.M.Work
Parly - Harangul - I	21/02/2012	10.50	21/02/2012	16.55	Testing work.
220/6.6KV,40MVA Stn..T/F-II at Korady	21/02/2012	11.03		Continued.	Tan delta of CT and Q.M.Work
Karad-Vita-II	21/02/2012	11.05	21/02/2012	15.01	Hot Spot attending.
Kalwa - Khargar	21/02/2012	12.24		Continued.	Mumbai system strengthing work.
ICL - Harangool Ckt.II	21/02/2012	16.59	21/02/2012	18.04	Testing work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Breaker Problem(Ckt is on TBC)
Dhule-Dondaicha	21/02/2012	13.15	21/02/2012	16.16	Aux.isolator replacement work.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Feb/2012

Position as on 6.30 Hrs of 22/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal - Jalgaon - I	21/02/2012	17.15		Continued.	Replacement of relay and control panel.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Karad - Kolhapur - I	19/02/2012	21.53	21/02/2012	09.00	Over Voltage.
Bhusawal- Aurangabad	20/02/2012	16.49	21/02/2012	07.50	Over Voltage.
Newkoyna - Jaigad - I	21/02/2012	14.47	21/02/2012	15.04	ICT unit transportation.
New Koyna-Jaigad II	21/02/2012	15.05	21/02/2012	15.09	ICT unit transportation.
Newkoyna - Jaigad - I	21/02/2012	15.10	21/02/2012	15.13	ICT unit transportation.
New Koyna - Jaigad - II	21/02/2012	15.14	21/02/2012	15.17	ICT unit transportation.
Karad-Kolhapur-II	21/02/2012	16.40		Continued.	Over Voltage.
Bhusawal- Aurangabad	21/02/2012	17.37		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur-Warora	13/02/2012	16.58		Continued.	To Control Warora-Wardha Line Loading.
Kalwa-Temghar	19/02/2012	23.03	21/02/2012	23.03	To Control 100KV Kalwa-Kalyan-Salsette L/L.
Babaleshwar - Ranjangaon	20/02/2012	03.18		Continued.	To control BBLR ICT loading.
Nasik-Bablsr - I	21/02/2012	10.28		Continued.	O/L of Bus Sec.II at Nasik.
Padgha-Temghar I	21/02/2012	22.29		Continued.	H/T from Padgha end due to O/L of Padgha ICT.
Padgha - Temghar - II	21/02/2012	22.30		Continued.	H/T from Padgha end due to O/L of Padgha ICT.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buchholz Alarm Persist.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip, Diff.Prot.operated, PRV tripped(Failed).
Karad-Pophali	21/02/2012	05.55	21/02/2012	14.26	Distance protection.
Wardha-Deoli	21/02/2012	14.44	21/02/2012	16.23	Sparking of isolator at Deoli end.
Badnera - Deoli (PGCIL)	21/02/2012	14.44	21/02/2012	16.30	Sparking of isolator at Deoli end.
Versova - Goregaon	21/02/2012	15.28	21/02/2012	16.54	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Feb/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	172
Unit 7	210	193
	620	505
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	150
Unit 6	250	160
Unit 7	250	180
	1130	650
Chandrapur		
Unit 1	210	160
Unit 2	210	170
Unit 3	210	150
Unit 4	210	210
Unit 5	500	475
Unit 6	500	450
Unit 7	500	450
	2340	2065
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	810
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	210
	630	630
Uran		
All Units	852	560
	852	560
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	20
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	13
SMLHY PTN	12	10
GHATGHAR	250	0
	611	218
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	1045
WARDHA	405	330
Other CPPs	0	
	1005	1375
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	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5100
	3455	5100

	17900	7 of 7 16320
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