



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Feb/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Feb/2013 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.099	2405.512	1) Gujrat	6.457	110.350
2) Hydro	10.005	250.771	2) Madhya Pradesh	20.213	371.790
3) Gas	15.088	222.901	3) Chattisgarh	8.470	182.180
Total MSGENCO	140.192	2879.184	4) Maharashtra	69.772	1403.889
B) 1) JSW JAIGAD	26.265	508.858	5) Goa	-5.744	-112.823
2) WPCL	8.602	170.220	6) TAPS 1&2 Injection	3.971	46.091
3) ADANI	0.000	1.200	7) RGPPL Injection	6.841	61.269
4) Other CPP / IPP	11.036	230.591	8) Pench (Excess)	-0.024	-8.297
5) Wind Generation	3.375	88.791	# Total Cent. Sector	109.956	2054.449
6) PENCH (MS)	0.024	8.297	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.135	-209.256
1) TPCL Thermal	20.813	409.560	G) Bilateral Power *		
2) TPCL Hydro	4.716	93.794	1) MSEDCL Bilateral	25.546	518.204
TOTAL TPCL	25.529	503.354	Include PX	0.955	34.493
3) REL Thermal	11.990	243.070	2) MUMBAI Bilateral	10.921	219.982
D) STATE			Include PX	-0.907	-14.121
1) Thermal (A1+C1+C3)	147.902	3058.142	3) MUMBAI Schedule	10.921	219.982
2) Hydro (A2+B5+C2)	14.745	352.862	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.088	222.901	1) MSEDCL	288.315	5732.334
4) Wind (B4)	3.375	88.791	2) TPCL	31.803	627.618
5) CPP (B1+B2+B3)	45.903	909.669	3) REL	16.854	328.073
TOTAL STATE	227.013	4632.365	TOTAL STATE	336.972	6688.025

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4909	4805	4508
MSGENCO Hydro	898	1052	119
MSGENCO Gas	611	630	627
MSGENCO Total Generation	6418	6487	5254
Central Sector Receipt	5408	4561	4043
WIND	154	195	189
CPP / IPP	1962	1980	1742
Exchange with Mumbai	-645	-575	-255
MSEDCL DEMAND MET	13297	12648	10973
Load Shedding	513	379	89
MSEDCL DEMAND	13810	13027	11062
TPCL GENERATION	1298	1349	676
R-INFRA GENERATION	526	527	394
TPCL+R-INFRA DEMAND	2469	2451	1325
STATE DEMAND MET	15766	15099	12298
STATE DEMAND	16279	15478	12387
Frequency (Hz)	49.98	49.96	50.20

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 17.07 Hrs	49.25 Hz at 06.37 Hrs	50.02	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/Feb/2013

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	3.93	61.49	185	136	180
Unit 7	3.80	71.48	180	120	180
Total	7.74	132.97			360
Bhusawal					
Unit 2	4.10	51.02	180	160	180
Unit 3	0.00	45.59	0	0	0
Unit 4	10.04	180.71	470	355	452
Unit 5	0.00	7.16	0	0	0
Total	14.14	284.49			632
Parli					
Unit 3	0.00	44.42	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	51.52	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	81.90	0	0	0
Total	0.00	177.83			0
Chandrapur					
Unit 1	3.59	70.65	152	145	155
Unit 2	3.47	67.60	148	140	140
Unit 3	4.59	67.16	202	172	200
Unit 4	4.47	91.76	198	153	200
Unit 5	9.42	194.67	415	350	400
Unit 6	10.11	216.33	475	27	450
Unit 7	8.84	166.01	407	327	350
Total	44.48	874.17			1895
Paras					
Unit 3	5.51	109.17	247	185	250
Unit 4	5.26	95.13	241	196	250
Total	10.77	204.30			500
Khaparkheda					
Unit 1	4.17	81.62	205	140	200
Unit 2	3.68	75.44	180	95	170
Unit 3	3.88	75.64	197	146	170
Unit 4	4.93	64.15	215	174	180
Unit 5	8.44	176.57	400	292	400
Total	25.10	473.42			1120
Nasik					
Unit 3	4.25	86.68	185	165	195
Unit 4	4.15	84.16	182	164	185
Unit 5	4.47	87.48	194	174	195
Total	12.87	258.33			575
Uran					
All Units	15.09	222.90	672	599	590
Total	15.09	222.90			590
PENCH (MS)					
Pench (MS)	0.02	8.30	20	0	
Total	0.02	8.30			
Koyna					
Stage 1-2	2.89	58.37	365	40	440
Stage 4	2.03	69.38	453	0	250
Stage 3	0.71	27.22	96	0	240
Kovna 12&4 Total	4.92	127.75			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.63	154.97			930
Hydro					
KDPH	0.46	9.07	20	19	18
VTRNA	1.08	11.88	61	0	60
TILLARI	0.24	6.02	60	0	60
BHTGR/VEER	0.00	0.93	0	0	0
BHIRA T.R.	0.24	5.66	74	0	80
RNGR+BHTSA	0.33	6.98	14	13	14
BHANDARDRA	0.00	8.68	0	0	20
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.04	19.44	51	40	11
GHATGHAR	0.99	27.13	250	0	0
Total	4.37	95.80			263
Wind					
MalharPeth	0.20	3.89			
Vankuswadi	0.28	6.16			
ATIT	0.07	0.81			
Kale	0.09	1.94			
Satara	0.16	11.23			
Shirala	0.21	3.52			
K Mahankal	0.27	2.67			
Supa	0.13	1.86			
Vita	0.46	13.60			
Dondaicha	0.78	26.12			
Sakri	0.09	3.16			
Nandurbar	0.07	2.17			
Khandke	0.56	7.51			
Khaparale	0.02	4.14			
Total	3.38	88.79			
CPP					
JSW JAIGAD	26.26	508.86	1173	923	1065
WARDHA	8.60	170.22	362	350	360
Adani	0.00	1.20	0	0	
Other CPPs	11.04	230.59			
Total	45.90	910.87			1425
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.51	203.49	504	285	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.99	58.99	130	121	120
Trombay 7B	1.64	32.54	70	67	60
Trombay 8	5.67	114.55	252	194	250
TATA Hydro	4.72	93.79	437	0	447
Total	25.53	503.35			1377
REL					
1&2	11.99	243.07	528	392	500
Total	11.99	243.07			500
Cent Sect					
Share					4407
Total					4407

MS PG CL	Thermal	115.10	2405.51			5082
	Thml+Gas	130.19	2628.41			5672
	Hydro	10.00	250.77			1193
	Total	140.19	2879.18			6865
State Total		227.01	4632.36			14574

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/Feb/2013

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	4803	118	637	5558	113	1829	4061	4031	-336	-428	11103	94	11197	1566	12763	50.03
2	4549	113	634	5296	111	1743	3994	4194	-274	-365	10979	82	11061	1432	12493	50.03
3	4498	118	629	5245	134	1743	3967	4213	-248	-307	11028	84	11112	1369	12481	50.18
4	4508	119	627	5254	189	1742	3954	4043	-235	-255	10973	89	11062	1325	12387	50.20
5	4648	114	640	5402	193	1838	3959	4089	-240	-265	11257	99	11356	1332	12688	50.00
6	4927	114	666	5707	244	1832	4226	4182	-254	-227	11738	241	11979	1424	13403	49.88
7	4892	169	672	5733	305	1902	4248	4217	-276	-209	11968	623	12591	1586	14177	49.78
8	4907	292	632	5831	224	1985	4204	4438	-312	-138	12344	720	13064	1706	14770	49.96
9	4945	590	614	6149	141	1994	4295	4642	-353	-342	12584	705	13289	1947	15236	49.97
10	4928	997	611	6536	128	1966	4587	4985	-446	-412	13203	527	13730	2251	15981	50.03
11	4909	898	611	6418	154	1962	4972	5408	-665	-645	13297	513	13810	2469	16279	49.98
12	4854	815	603	6272	100	1969	5011	5345	-707	-686	13000	637	13637	2548	16185	49.96
13	4863	844	599	6306	42	1965	4616	4910	-650	-672	12551	767	13318	2538	15856	50.07
14	4873	473	607	5953	39	1964	4525	4851	-560	-574	12233	691	12924	2405	15329	50.17
15	4855	548	604	6007	21	1974	4692	4948	-567	-623	12327	555	12882	2442	15324	50.12
16	4886	638	606	6130	41	1985	4832	5239	-588	-631	12764	481	13245	2443	15688	50.08
17	4840	417	623	5880	39	1974	4631	4868	-588	-652	12109	465	12574	2425	14999	50.03
18	4834	199	630	5663	127	1983	4431	4126	-554	-722	11177	436	11613	2392	14005	50.09
19	4890	417	626	5933	151	1983	4441	4564	-593	-593	12038	207	12245	2363	14608	49.92
20	4805	1052	630	6487	195	1980	4436	4561	-600	-575	12648	379	13027	2451	15478	49.96
21	4900	333	635	5868	176	1982	4311	4513	-474	-456	12083	346	12429	2362	14791	49.92
22	4893	190	647	5730	190	1982	4338	4277	-474	-571	11608	256	11864	2151	14015	50.07
23	4706	176	651	5533	146	1797	4385	4473	-474	-391	11558	133	11691	1953	13644	49.95
24	4386	261	654	5301	172	1829	4369	4839	-454	-396	11745	103	11848	1774	13622	50.06
MUs	115.10	10.00	15.09	140.19	3.38	45.90	105.48	109.96	-10.92	-11.14	288.32	9.23	297.55	48.65	346.20	50.02

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/Feb/2013

Position as on 6.30 Hrs of 21/Feb/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 5	200	16/09/2012	04.23		Continued.	C.O.H.	
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.	
Cent_Sect Tarapur 2	80	31/12/2012	17.05		Continued.	Refuelling work	21/02/2013
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage	
Koyna ST - IV 4	250	04/02/2013	08.00		Continued.	AOH.	13/03/2013
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Koyna Unit 5	80	16/02/2013	07.10		Continued.	Pressure Shaft Work.	02/03/2013
Koyna Unit 6	75	16/02/2013	07.10		Continued.	Pressure Shaft Work.	02/03/2013
Parli Unit 7	250	17/02/2013	01.00		Continued.	Water Shortage.	
FORCED OUTAGE							
Dabhol 1B	230	09/10/2012	13.56		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.	
Dabhol 3A	230	03/12/2012	21.23		Continued.	Gas Shortage	
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
Tata Trombay 6	500	23/01/2013	22.57		Continued.	Economy Shutdown.	
CPP Adani	660	31/01/2013	17.05		Continued.	400KV Tirora-Warora isolator sparking.	
Bhusawal Unit 5	500	02/02/2013	12.02		Continued.	Furnace Pressure Protection Operated.	
CPP WPCL U-4	135	04/02/2013	19.16		Continued.	ID fan vibration problem.	
Dabhol 2A	230	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 2X	290	06/02/2013	21.32		Continued.	Gas Shortage	
Bhusawal Unit 3	210	12/02/2013	11.10	21/02/2013	01.10	P.A.Fan Problem	
Hydro GhatgharU2	125	16/02/2013	08.48	20/02/2013	11.45	Field Separation Cubical Blast.	
CPP Adani	660	18/02/2013	07.59		Continued.	Boiler tube leakage.	
Chandrapur Unit 6	500	20/02/2013	23.16		Continued.	Boiler Tube Leakage	
Bhusawal Unit 3	210	21/02/2013	02.45	21/02/2013	06.39	Furnace Pressure High	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Feb/2013

Position as on 6.30 Hrs of 21/Feb/2013

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-I	04/11/2012	09.53		Continued.	Mumbai Strengthening work to be carried out on Boiser-Borivali section upto 15/3/2013
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	09/02/2013	13.17		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	13/02/2013	17.12		Continued.	Over Voltage
Kolhapur-Mapusa-II	16/02/2013	17.40	20/02/2013	10.45	Over Voltage.
Parli (PG)-Bhadravati I	18/02/2013	21.50	20/02/2013	08.00	Over Voltage.
Dhule - S'Sarovar- II	19/02/2013	18.04		Continued.	Over Voltage
Kolhapur - Mapusa - I	20/02/2013	21.46		Continued.	Over Voltage
Wardha - Akola - I	21/02/2013	02.22		Continued.	H/T by WRLDC to control over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati - III	17/02/2013	17.03		Continued.	Over Voltage.
Solapur-Solapur(PGCIL)	20/02/2013	18.01		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	15/01/2013	09.51		Continued.	Replacement of Old Not working CT
Main Bus - II @ Khadka	11/02/2013	12.03		Continued.	Replacement of M.B.-II of PG2 isolator of Aurangabad Line followed by BBLSR Line upto 21-2-2013
Koradi - Bhusawal	20/02/2013	11.46	20/02/2013	15.19	Red Hot(Line on TBC)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	04/11/2012	10.35		Continued.	Mumbai Strengthening work to be carried out on Boiser-Borivali section upto 15/3/2013
220/100KV 200 MVA ICT-II @ Padgha	31/01/2013	12.30		Continued.	Repl of C & D Isolator & H V CT Structure.Upto 21.2.2013.
Kalwa - Khargar	15/02/2013	13.20		Continued.	Mumbai strengthening work for 20 Days.Reconfigur as 220KV Trombay-Tifil-Khargar.
Mahape - Tifil	16/02/2013	11.17		Continued.	Errection Work(Mahape Radial on 220KV Kalwa-Siemens line)
Boiser-PGCIL-I	17/02/2013	17.25		Continued.	Taken on TBC @ 220KV Boisar for Replacement of Own Bkr Under Jaica-2.(Till 21/02/2013)
Kalwa - Borivali	19/02/2013	14.25		Continued.	Breaker Pole Overhauling(Taken on TBC)
Khaparkheda-Kawlewada-I	20/02/2013	08.51	20/02/2013	17.02	E/W replacement work
220/132 KV 200MVA ICT I at Girwali	20/02/2013	11.38	20/02/2013	16.55	Replacement of Bus-II Isolator Jumper
Vita - Lamboti	20/02/2013	16.54	20/02/2013	22.35	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
50 MVAR Line Reactor on 400 KV Parly Ckt.-III at Chandrapur	20/03/2012	11.50		Continued.	High tan delta of bushing.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Feb/2013

Position as on 6.30 Hrs of 21/Feb/2013

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 prot.operated
80MVAR Bus reactor breaker-I at BBLSR	08/01/2013	05.35		Continued.	Air leakage in B phase of CB(Taken on TBC at 17.43Hrs/15-1-2013)
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.
400/220KV 500MVA ICT-II at Warora	07/02/2013	17.57		Continued.	Handtripped
Dabhol - Nagothane - I	09/02/2013	21.52		Continued.	Over Voltage.
Bhusawal- Aurangabad	18/02/2013	16.47		Continued.	Over Voltage.
Karad - Kolhapur - I	19/02/2013	16.39	20/02/2013	08.28	Over Voltage
Karad - Kolhapur - II	19/02/2013	18.03	20/02/2013	08.57	Over Voltage
Lonikand- Koyna Stage IV	19/02/2013	21.51	20/02/2013	07.18	Over Voltage
Karad - Kolhapur - II	20/02/2013	16.32		Continued.	Over Voltage
Karad - Kolhapur - I	20/02/2013	17.01		Continued.	Over Voltage
Lonikand- Koyna Stage IV	20/02/2013	21.59		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	04/02/2013	23.36		Continued.	Due to over loading.
Badnera - Deoli (PGCIL)	20/02/2013	19.17	20/02/2013	19.42	H/T by WRLDC
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.
Khadka - Deepnagar - I	06/01/2013	21.22		Continued.	B Phase CT Caught Fire
Deepnagar-Aurangabad-I	12/01/2013	13.33		Continued.	Over Voltage
Dhule - Babaleshwar - II	20/02/2013	15.37	20/02/2013	15.56	PDR operated at BBLSR end
Bblswr - Padgha - II	21/02/2013	01.20	21/02/2013	06.26	Distance Protection
Bablswr-Padgha Ckt I	21/02/2013	01.20	21/02/2013	02.30	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Feb/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	160
Unit 7	210	165
	620	325
Bhusawal		
Unit 2	210	180
Unit 3	210	0
Unit 4	500	452
Unit 5	500	
	1420	632
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	155
Unit 2	210	150
Unit 3	210	200
Unit 4	210	200
Unit 5	500	425
Unit 6	500	0
Unit 7	500	400
	2340	1530
Paras		
Unit 3	250	250
Unit 4	250	230
	500	480
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	175
Unit 5	500	400
	1340	1055
Nasik		
Unit 3	210	195
Unit 4	210	185
Unit 5	210	195
	630	575
Uran		
All Units	852	650
	852	650
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	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	241
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	1200	1095
WARDHA	405	395
Adani	660	
Other CPPs	0	
	2265	1490
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4390
	3455	4390