



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Feb/2015

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Feb/2015 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.388	247.484	1) Gujrat	0.622	2.575
2) Hydro	4.509	9.416	2) Madhya Pradesh	13.522	26.939
3) Gas	7.688	15.265	3) Chattisgarh	5.400	11.080
Total MSGENCO	133.585	272.165	4) Maharashtra Net	96.551	185.973
B) 1) JSW JAIGAD	21.165	42.153	(Incl. 765kV Solapur-Raichur)	-5.042	-13.390
2) WPCL	2.785	5.324	5) Goa	-6.095	-11.551
3) ADANI	42.510	84.470	6) TAPS 1&2 Injection	3.781	7.167
4) Other CPP / IPP	31.484	57.776	7) RGPPL Injection	0.000	0.000
5) Wind Generation	5.684	8.463	8) Pench (Excess)	-0.503	-0.891
6) PENCH (MS)	0.503	0.891	# Total Cent. Sector	113.278	221.292
7) SOLAR	1.173	2.344	F) Other Exchanges		
C) 1) TPCL Thermal	9.229	18.223	1) With TPCL (Excess)	-28.052	-51.551
2) TPCL Hydro	5.160	7.383	G) Bilateral Power *		
TOTAL TPCL	14.389	25.606	1) MSEDCL Bilateral	28.241	50.564
3) REL Thermal	5.622	11.141	Include PX	2.338	1.619
D) STATE			2) MUMBAI Bilateral	23.999	38.611
1) Thermal (A1+C1+C3)	136.239	276.848	Include PX	5.541	8.175
2) Hydro (A2+B6+C2)	10.172	17.690	3) MUMBAI Schedule	23.999	38.611
3) Gas (A3)	7.688	15.265	H) ENERGY CATERED (MUs)		
4) Wind (B5)	5.684	8.463	1) MSEDCL	324.115	643.327
5) CPP/IPP (B1+B2+B3+B4)	97.944	189.723	2) TPCL	30.013	55.790
6) SOLAR (B7)	1.173	2.344	3) REL	18.050	32.509
TOTAL STATE	258.900	510.333	TOTAL STATE	372.178	731.626

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5337	5313	4737
MSGENCO Hydro	214	118	102
MSGENCO Gas	314	316	329
MSGENCO Total Generation	5865	5747	5168
Central Sector Receipt	6679	5973	3088
WIND	202	152	147
CPP / IPP	4269	4286	3800
SOLAR	180	123	0
Exchange with Mumbai	-1493	-1309	-752
MSEDCL DEMAND MET	15713	14997	11476
Load Shedding	88	65	58
MSEDCL DEMAND	15801	15062	11534
TPCL GENERATION	782	825	350
R-INFRA GENERATION	257	259	195
TPCL+R-INFRA DEMAND	2532	2393	1297
STATE DEMAND MET	18245	17390	12773
STATE DEMAND	18333	17455	12831
Frequency (Hz)	49.99	49.84	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 18.01 Hrs	49.71 Hz at 05.15 Hrs	49.96	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 02/Feb/2015

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	3.96	7.90	175	159	160
Unit 7	3.88	7.68	175	150	160
Total	7.84	15.57			320
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	10.71	21.07	510	375	344
Unit 5	0.00	0.00	0	0	0
Total	10.71	21.07			344
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.64	7.29	163	137	155
Unit 5	3.58	7.16	155	146	150
Unit 6	4.75	9.57	250	184	190
Unit 7	4.75	9.54	250	176	185
Total	16.73	33.56			680
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.93	5.90	127	106	130
Unit 3	4.53	9.04	205	166	210
Unit 4	3.09	7.06	181	0	200
Unit 5	9.66	19.46	450	350	450
Unit 6	9.34	18.83	425	343	430
Unit 7	10.13	20.26	458	393	450
Total	39.67	80.55			1870
Paras					
Unit 3	4.45	8.92	202	175	220
Unit 4	4.58	9.20	207	170	220
Total	9.03	18.11			440
Khaparkheda					
Unit 1	4.28	8.36	200	150	200
Unit 2	3.96	7.86	180	145	180
Unit 3	4.79	9.39	214	180	210
Unit 4	4.52	9.09	207	150	210
Unit 5	11.12	22.12	500	410	500
Total	28.67	56.83			1300
Nasik					
Unit 3	0.00	4.37	0	0	0
Unit 4	4.34	8.68	192	173	200
Unit 5	4.40	8.74	194	172	200
Total	8.74	21.79			400
Uran					
All Units	7.69	15.26	335	303	330
Total	7.69	15.26			330
PENCH (MS)					
Pench (MS)	0.50	0.89	27	10	
Total	0.50	0.89			
Koyna					
Stage 1-2	1.76	3.12	415	40	600
Stage 4	0.18	0.18	119	0	250
Stage 3	0.14	0.56	104	0	320
Kovna 12&4 Total	1.93	3.30			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.07	3.86			1170
Hydro					
KDPH	0.17	0.17	18	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.37	0.74	64	0	64
BHTGR/VEER	0.08	0.16	4	3	4
BHIRA T.R.	0.19	0.31	43	0	80
RNGR+BHTSA	0.37	0.66	16	15	14
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.30	0.61	13	12	12
SMLHY PTN	0.83	1.58	42	31	10
GHATGHAR	0.13	1.32	73	0	0
Total	2.44	5.56			184
Wind					
MalharPeth	0.08	0.13			
Vankuswadi	0.15	0.25			
ATIT	0.01	0.02			
Kale	0.07	0.10			
Satara	2.31	3.39			
Shirala	0.10	0.14			
K Mahankal	0.03	0.04			
Supa	0.06	0.09			
Vita	1.10	1.58			
Dondaicha	0.81	1.35			
Sakri	0.12	0.14			
Nandurbar	0.47	0.67			
Khandke	0.31	0.39			
Khaparale	0.05	0.19			
Total	5.68	8.46			
CPP					
JSW JAIGAD	21.16	42.15	940	774	851
WARDHA	2.78	5.32	127	109	118
Adani	42.51	84.47	1830	1700	1804
Other CPPs	31.48	57.78			745
Total	97.94	189.72			3518
SOLAR					
Total	1.17	2.34			
Total	1.17	2.34			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	0.00	0	0	0
Trombay 6	3.59	7.17	150	148	500
Trombay 7A	0.00	0.00	0	0	0
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.64	11.05	253	200	250
TATA Hydro	5.16	7.38	459	0	447
Total	14.39	25.61			1197
REL					
1&2	5.62	11.14	260	194	250
Total	5.62	11.14			250
Cent Sect					
Share					6408
Total					6408
MS PG CL	Thermal	121.39	247.48		5354
	Thml+Gas	129.08	262.75		5684
	Hydro	4.51	9.42		1354
	Total	133.58	272.16		7038
State Total		258.90	510.33		18411

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/Feb/2015

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4779	107	303	5189	158	3784	0	3442	3484	-630	-946	11694	118	11812	1491	13303	49.98
2	4757	102	328	5187	149	3830	0	3297	3294	-590	-821	11665	58	11723	1365	13088	50.01
3	4737	102	329	5168	147	3800	0	3320	3088	-626	-752	11476	58	11534	1297	12831	49.99
4	4769	107	328	5204	151	3817	0	3227	3327	-647	-724	11800	58	11858	1268	13126	49.98
5	4771	114	330	5215	140	3887	0	3384	3547	-651	-753	12061	60	12121	1297	13418	49.93
6	4850	229	328	5407	191	3955	0	3849	3743	-671	-801	12522	74	12596	1415	14011	49.84
7	5152	108	330	5590	208	4047	2	4457	4815	-743	-995	13693	94	13787	1637	15424	49.88
8	5332	108	330	5770	273	4200	15	5246	5504	-906	-880	14908	94	15002	1806	16808	49.86
9	5359	120	325	5804	287	4263	59	5812	6008	-1011	-1171	15261	89	15350	2093	17443	49.94
10	5301	197	317	5815	271	4272	95	6063	6195	-1164	-1199	15460	93	15553	2296	17849	49.95
11	5311	216	310	5837	247	4263	137	6322	6366	-1379	-1439	15422	92	15514	2490	18004	49.97
12	5337	214	314	5865	202	4269	180	6408	6679	-1403	-1493	15713	88	15801	2532	18333	49.99
13	5449	114	314	5877	223	4290	167	6140	5892	-1356	-1505	14954	159	15113	2480	17593	49.96
14	5459	103	314	5876	148	4214	180	5583	5809	-1237	-1399	14838	100	14938	2379	17317	49.97
15	5475	134	314	5923	118	4213	133	5719	5708	-1236	-1289	14833	80	14913	2395	17308	49.92
16	5313	118	316	5747	152	4286	123	5727	5973	-1237	-1309	14997	65	15062	2393	17455	49.84
17	5262	125	312	5699	121	4212	58	5234	5576	-1223	-1280	14413	69	14482	2401	16883	49.94
18	5260	620	311	6191	137	4191	24	3508	3803	-1133	-1421	12936	71	13007	2362	15369	49.99
19	5106	642	315	6063	174	4264	0	4294	3946	-1234	-1374	13100	66	13166	2366	15532	50.04
20	4905	264	335	5504	298	4147	0	5170	5033	-1170	-1398	13596	64	13660	2398	16058	50.09
21	4700	190	331	5221	474	3978	0	4965	4754	-1030	-1354	13100	64	13164	2251	15415	50.03
22	4716	131	318	5165	484	3937	0	3995	4012	-1016	-1378	12247	64	12311	2085	14396	49.97
23	4663	207	318	5188	478	3923	0	3372	3421	-918	-1241	11795	64	11859	1880	13739	49.92
24	4625	137	318	5080	453	3902	0	3446	3301	-789	-1130	11631	64	11695	1686	13381	50.02
MUs	121.39	4.51	7.69	133.58	5.68	97.94	1.17	111.98	113.28	-24.00	-28.05	324.12	1.91	326.02	48.06	374.08	49.96

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 02/Feb/2015

Position as on 6.30 Hrs of 03/Feb/2015

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.(60Days)	
Hydro GhatgharU2	125	23/12/2014	08.30		Continued.	Annual Overhaul	
Tata Trombay 5	500	03/01/2015	20.30		Continued.	Annual Maintenance	
Bhusawal Unit 3	210	20/01/2015	08.02		Continued.	Annual Overhaul	10/02/2015
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	economic shutdown	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
CPP WPCL U-1	135	30/10/2014	00.43		Continued.	ESP Bag Filter Damaged	
Tata Trombay 7B	60	11/12/2014	20.39		Continued.	Rotor Fault.	25/02/2015
Tata Trombay 7A	120	11/12/2014	21.51		Continued.	Rotor Fault.	25/02/2015
REL 2	250	04/01/2015	01.55		Continued.	Stator E/F.	
CPP Adani U-4	660	04/01/2015	03.24		Continued.	MOV Leakage	
Bhusawal Unit 5	500	25/01/2015	13.50		Continued.	Boiler Tube Leakage	
CPP WPCL U-4	135	25/01/2015	22.27		Continued.	ID Fan problem	
Uran Unit 8	108	26/01/2015	12.22		Continued.	Gas Shortage	
CPP IPL U-1	270	27/01/2015	21.55		Continued.	Coal Shortage	
CPP VIPL U-2	300	31/01/2015	13.29	02/02/2015	00.11	Turbine Drain Line Steam Leakage	
Uran Unit 5	108	01/02/2015	00.08		Continued.	Gas Shortage	
Nasik Unit 3	210	02/02/2015	00.00		Continued.	Valve Problem	
Chandrapur Unit 4	210	02/02/2015	18.04	02/02/2015	21.28	Turbine Tripped	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 02/Feb/2015

Position as on 6.30 Hrs of 03/Feb/2015

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Chandrapur Unit 4	210	02/02/2015	22.17		Continued.	Main Steam Valve Leakage	
Nasik Unit 4	210	03/02/2015	05.27		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Feb/2015

Position as on 6.30 Hrs of 03/Feb/2015

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	21/11/2014	14.51		Continued.	Mumbai Strengthening work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	01/02/2015	16.19	02/02/2015	08.55	Over Voltage
Kolhapur-Solapur(PGCIL)-I	01/02/2015	18.16	02/02/2015	08.12	Over Voltage
Dhule-Sar'Sarovar - II	01/02/2015	21.21	02/02/2015	08.02	Over Voltage
Kolhapur - Mapusa - II	02/02/2015	16.36		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	02/02/2015	20.32		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	31/01/2015	03.10		Continued.	Over Voltage(RFC 20.45Hrs)
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV,500 MVA ICT-III at Kolhapur	02/02/2015	10.40	02/02/2015	19.37	Oil Checking work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	25/11/2014	11.36		Continued.	Erection & Stringing Work.
TBC @ 400 KV Parli-II	07/01/2015	15.48		Continued.	Shifting of CR Panel from 220KV Girawali C/R to 400KV C/R.
Kandalgaon - Topworth	02/02/2015	10.00	02/02/2015	17.45	maintenance work
Karad Mudsingi-II	02/02/2015	10.10	02/02/2015	13.15	Maintenance work
220/132 KV,200 MVA ICT-II at Chikhli	02/02/2015	11.14	02/02/2015	17.45	Repl.of Isolator Gear Box
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV 500MVA ICT-II at Warora	16/01/2015	10.43		Continued.	CTR problem.
Bableshwar-Taptitanda II	28/01/2015	19.24		Continued.	Over Voltage.
Karad-Kolhapur-II	01/02/2015	16.08	02/02/2015	07.22	Over Voltage
Karad-Jaigad I	01/02/2015	16.35	02/02/2015	07.24	Over Voltage
Bhusawal- Aurangabad	01/02/2015	17.09	02/02/2015	08.03	Over Voltage
Lonikand- Koyna Stage IV	01/02/2015	21.06	02/02/2015	06.52	Over Voltage
Karad-Jaigad II	02/02/2015	16.33		Continued.	Over Voltage
Karad-Kolhapur-II	02/02/2015	16.41		Continued.	Over Voltage
Bhusawal- Aurangabad	02/02/2015	17.04		Continued.	Over Voltage
Lonikand- Koyna Stage IV	02/02/2015	21.49		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
765KV Koradi-III -- Tiroda - II	25/01/2015	13.08	02/02/2015	15.57	Bus Bar prot.Operated
Dabhol - New Koyna - I	25/01/2015	18.00		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
220/132KV 100 MVA,ICT-I at Jeur	31/12/2014	21.28		Continued.	Diff.Prot.Optd.
Voltage Level : 132KV			Outage Type TRIPPED		
Beed - Beed	02/02/2015	03.42	02/02/2015	04.16	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Feb/2015

Position as on 6.30 Hrs of 03/Feb/2015

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Beed- Raimoha	02/02/2015	03.42	02/02/2015	04.18	Distance Protection
Nilanga - Omerga	02/02/2015	15.25	02/02/2015	15.48	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Feb/2015

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	155
Unit 7	210	160
	620	315
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	343
Unit 5	500	0
	1420	343
Parli		
Unit 3	210	0
Unit 4	210	156
Unit 5	210	152
Unit 6	250	185
Unit 7	250	179
	1130	672
Chandrapur		
Unit 1	210	0
Unit 2	210	130
Unit 3	210	210
Unit 4	210	0
Unit 5	500	450
Unit 6	500	430
Unit 7	500	450
	2340	1670
Paras		
Unit 3	250	220
Unit 4	250	220
	500	440
Khaparkheda		
Unit 1	210	200
Unit 2	210	180
Unit 3	210	210
Unit 4	210	210
Unit 5	500	500
	1340	1300
Nasik		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	200
	630	200
Uran		
All Units	852	330
	852	330
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	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	12
SMLHY PTN	12	10
GHATGHAR	250	0
	611	184
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	816
WARDHA	405	118
Adani	2640	1804
Other CPPs	300	745
	4545	3483
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1197
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	6184
	3455	6184