



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Feb/2015

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Feb/2015 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.516	1818.012	1) Gujrat	-5.197	16.240
2) Hydro	8.271	129.207	2) Madhya Pradesh	13.662	211.985
3) Gas	7.465	124.585	3) Chattisgarh	6.360	91.200
Total MSGENCO	140.252	2071.804	4) Maharashtra Net	101.336	1517.031
B) 1) JSW JAIGAD	12.458	209.541	(Incl. 765kV Solapur-Raichur)	-11.194	-144.913
2) WPCL	2.875	41.468	5) Goa	-5.726	-94.245
3) ADANI	43.910	642.490	6) TAPS 1&2 Injection	1.759	53.962
4) Other CPP / IPP	25.084	382.982	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.346	88.952	8) Pench (Excess)	-0.475	-7.839
6) PENCH (MS)	0.475	7.839	# Total Cent. Sector	111.719	1788.334
7) SOLAR	1.160	16.330	F) Other Exchanges		
C) 1) TPCL Thermal	13.645	142.439	1) With TPCL (Excess)	-15.570	-390.918
2) TPCL Hydro	2.408	72.069	G) Bilateral Power *		
TOTAL TPCL	16.053	214.508	1) MSEDCL Bilateral	31.081	430.992
3) REL Thermal	11.027	111.295	Include PX	6.988	51.587
D) STATE			2) MUMBAI Bilateral	16.188	326.761
1) Thermal (A1+C1+C3)	149.188	2071.746	Include PX	-0.051	61.606
2) Hydro (A2+B6+C2)	11.154	209.115	3) MUMBAI Schedule	16.188	329.452
3) Gas (A3)	7.465	124.585	H) ENERGY CATERED (MUs)		
4) Wind (B5)	4.346	88.952	1) MSEDCL	326.709	4858.822
5) CPP/IPP (B1+B2+B3+B4)	84.327	1276.481	2) TPCL	26.170	443.747
6) SOLAR (B7)	1.160	16.330	3) REL	16.480	272.966
TOTAL STATE	257.640	3787.209	TOTAL STATE	369.359	5575.535

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5507	5604	4823
MSGENCO Hydro	1014	468	159
MSGENCO Gas	273	287	308
MSGENCO Total Generation	6794	6359	5290
Central Sector Receipt	5795	5305	3985
WIND	54	79	291
CPP / IPP	3695	3726	3284
SOLAR	134	159	0
Exchange with Mumbai	-652	-606	-440
MSEDCL DEMAND MET	15846	15048	12436
Load Shedding	480	548	66
MSEDCL DEMAND	16326	15596	12502
TPCL GENERATION	856	788	538
R-INFRA GENERATION	515	518	388
TPCL+R-INFRA DEMAND	2023	1912	1366
STATE DEMAND MET	17869	16960	13802
STATE DEMAND	18349	17508	13868
Frequency (Hz)	49.86	49.98	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 17:05 Hrs	49.64 Hz at 09:13 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 15/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	3.90	59.15	176	145	145
Unit 7	3.83	56.78	170	150	165
Total	7.72	115.93			310
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	9.92	148.20	510	365	348
Unit 5	0.00	36.44	0	0	0
Total	9.92	184.65			348
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.62	55.48	166	129	155
Unit 5	3.62	53.81	166	143	152
Unit 6	4.70	72.14	250	187	186
Unit 7	4.84	71.67	252	187	195
Total	16.77	253.10			688
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	39.63	0	0	0
Unit 3	4.48	53.13	205	166	210
Unit 4	4.41	51.36	190	175	200
Unit 5	9.98	148.87	460	346	450
Unit 6	9.54	107.55	430	350	430
Unit 7	9.80	145.74	465	346	450
Total	38.21	546.27			1740
Paras					
Unit 3	5.19	73.97	243	200	230
Unit 4	4.88	56.98	231	190	230
Total	10.07	130.94			460
Khaparkheda					
Unit 1	4.47	62.32	205	170	205
Unit 2	3.96	56.40	180	150	180
Unit 3	4.60	67.90	216	174	210
Unit 4	4.55	59.97	202	172	210
Unit 5	11.02	166.31	500	400	500
Total	28.60	412.88			1305
Nasik					
Unit 3	4.44	52.19	200	170	182
Unit 4	4.36	57.38	194	169	182
Unit 5	4.43	64.66	195	174	182
Total	13.23	174.23			546
Uran					
All Units	7.46	124.58	382	264	325
Total	7.46	124.58			325
PENCH (MS)					
Pench (MS)	0.48	7.84	27	0	0
Total	0.48	7.84			0
Koyna					
Stage 1-2	2.18	42.21	290	40	600
Stage 4	1.50	17.90	280	0	250
Stage 3	0.88	13.47	160	0	320
Kovna 12&4 Total	3.68	60.11			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.56	73.58			1170
Hydro					
KDPH	0.45	7.58	19	18	19
VTRNA	0.00	0.00	0	0	0
TILLARI	0.25	2.27	64	0	63
BHTGR/VEER	0.00	0.54	0	0	0
BHIRA T.R.	0.29	4.07	40	0	40
RNGR+BHTSA	0.33	5.11	14	13	15
BHANDARDRA	0.54	1.05	40	13	12
ELDARY	0.00	3.20	0	0	0
SMLHY PTN	0.95	14.92	47	36	40
GHATGHAR	0.90	16.87	125	0	0
Total	3.71	55.62			189
Wind					
MalharPeth	0.13	1.93			
Vankuswadi	0.20	3.48			
ATIT	0.02	0.33			
Kale	0.06	1.36			
Satara	1.62	38.43			
Shirala	0.10	2.24			
K Mahankal	0.01	0.31			
Supa	0.02	1.20			
Vita	0.36	12.90			
Dondaicha	1.06	14.36			
Sakri	0.19	2.08			
Nandurbar	0.26	4.50			
Khandke	0.15	3.84			
Khaparale	0.16	1.98			
Total	4.35	88.95			
CPP					
JSW JAIGAD	12.46	209.54	572	382	522
WARDHA	2.88	41.47	143	90	120
Adani	43.91	642.49	1910	1710	1900
Other CPPs	25.08	382.98			745
Total	84.33	1276.48			3287
SOLAR					
Total	1.16	16.33			
Total	1.16	16.33			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	4.58	5.55	202	154	200
Trombay 6	3.62	54.08	152	150	500
Trombay 7A	0.00	0.00	0	0	0
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.45	82.81	251	200	250
TATA Hydro	2.41	72.07	284	0	447
Total	16.05	214.51			1397
REL					
1&2	11.03	111.30	519	387	500
Total	11.03	111.30			500
Cent Sect					
Share					5896
Total					5896
MS PG CL	Thermal	124.52	1818.01		5397
	Thml+Gas	131.98	1942.60		5722
	Hydro	8.27	129.21		1359
	Total	140.25	2071.80		7081
State Total		257.64	3787.21		18161

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	4861	159	305	5325	204	3192	0	4730	4530	-622	-675	12602	85	12687	1623	14310	49.92
2	4835	149	305	5289	202	3237	0	4597	4332	-622	-573	12513	62	12575	1469	14044	49.94
3	4842	149	306	5297	265	3225	0	4509	4092	-622	-506	12399	66	12465	1408	13873	49.94
4	4823	159	308	5290	291	3284	0	4288	3985	-622	-440	12436	66	12502	1366	13868	49.97
5	4832	128	320	5280	363	3275	0	4531	4071	-622	-448	12565	68	12633	1373	14006	49.99
6	4954	123	322	5399	309	3461	0	4713	4346	-622	-517	13009	102	13111	1447	14558	49.98
7	5201	148	302	5651	273	3425	0	4854	4970	-592	-411	13920	204	14124	1513	15637	49.99
8	5321	291	289	5901	155	3511	11	5287	5369	-604	-352	14621	614	15235	1568	16803	49.90
9	5318	353	285	5956	74	3507	55	5726	5504	-641	-412	14710	716	15426	1681	17107	49.82
10	5421	951	274	6646	59	3660	112	5754	5749	-687	-547	15706	506	16212	1902	18114	49.84
11	5507	1014	273	6794	54	3695	134	5696	5795	-799	-652	15846	480	16326	2023	18349	49.86
12	5555	1005	269	6829	32	3747	164	5598	5455	-824	-639	15614	637	16251	2031	18282	49.84
13	5667	845	264	6776	32	3708	151	5110	5139	-814	-603	15230	806	16036	1997	18033	49.91
14	5625	602	283	6510	50	3669	157	4941	4727	-804	-594	14529	709	15238	1956	17194	50.01
15	5604	468	287	6359	79	3726	159	5240	5305	-770	-606	15048	548	15596	1912	17508	49.98
16	5460	372	290	6122	98	3656	123	5285	5148	-669	-559	14608	417	15025	1868	16893	49.97
17	5518	213	315	6046	132	3688	66	4993	4839	-652	-624	14161	326	14487	1881	16368	49.97
18	5100	127	316	5543	183	3489	27	4301	4026	-633	-803	12476	110	12586	1901	14487	50.13
19	4958	210	327	5495	278	3385	1	4056	4157	-660	-885	12431	104	12535	1913	14448	50.01
20	5262	201	351	5814	234	3593	0	4479	4244	-768	-902	12983	82	13065	2068	15133	50.04
21	5166	163	358	5687	201	3548	0	4266	3949	-679	-975	12421	77	12498	2055	14553	50.01
22	4925	144	360	5429	277	3539	0	3924	4170	-620	-1062	12373	76	12449	2009	14458	50.05
23	4898	154	374	5426	278	3579	0	4106	3797	-620	-929	12178	72	12250	1889	14139	49.97
24	4863	143	382	5388	223	3528	0	4018	4020	-620	-856	12330	64	12394	1797	14191	50.01
MUs	124.52	8.27	7.46	140.25	4.35	84.33	1.16	115.00	111.72	-16.19	-15.57	326.71	7.00	333.71	42.65	376.36	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 15/Feb/2015

Position as on 6.30 Hrs of 16/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)	
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
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 JSW (J) U1	300	03/02/2015	14:20		Continued.	P.A Fan Problem.	
CPP JSW (J) U3	300	03/02/2015	21.27		Continued.	Due to Unavailability of Load..	
CPP Adani U-3	660	06/02/2015	11.42		Continued.	GT Bushing Repl work.	
Bhusawal Unit 5	500	07/02/2015	13:57		Continued.	Clinker Formation.	
Hydro GhatgharU2	125	08/02/2015	10.00		Continued.	Coller Oil Leakage.	
Uran Unit 7	108	11/02/2015	23.27	15/02/2015	17.37	Gas Shortage.	
Uran Unit B0	120	11/02/2015	23.27		Continued.	Gas Shortage.	
Chandrapur Unit 2	210	14/02/2015	04.14		Continued.	Instrument air pressure low.	
Cent_Sect Tarapur 2	160	15/02/2015	11.07		Continued.	Reactor R.V.Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Feb/2015

Position as on 6.30 Hrs of 16/Feb/2015

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Tarapur - II	15/02/2015	11.46	15/02/2015	20.16	Insulator Replacement.
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 - II	14/02/2015	16.44	15/02/2015	08.36	Over Voltage.
Dhule-Sar'Sarovar - I	14/02/2015	18.07	15/02/2015	07.10	Over Voltage.
Kolhapur - Mapusa - I	15/02/2015	16.38		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	15/02/2015	17.18		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	15/02/2015	17.48	15/02/2015	21.07	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Nasik-Navsari-I	15/02/2015	22.34		Continued.	To control Bus Section loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	13/02/2015	18.02		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
765KV Koradi III-Akola II Ckt.I	13/02/2015	09.49		Continued.	706 main bay line charged to Th,TBC.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 600 MVA ICT-II @ Kalwa	15/02/2015	07.59	15/02/2015	10.53	Hot Spot on Bushing.
400/220KV,500MVA ICT-III At Kalwa.	15/02/2015	11.32	15/02/2015	14.30	B-Ph M.V.Bushing clamp nut bolt.
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.
TBC at Bhoisor	14/02/2015	09.30		Continued.	CT Repl.work.
Parli U-8 GCR Ckt at 400KV Parli II	15/02/2015	06.07	15/02/2015	13.11	B-Ph conductor snap.
Mulund-Trombay	15/02/2015	09.54	15/02/2015	17.11	Repl.of disc insulator.
Half Main Bus at Mahindra Vehicle	15/02/2015	10.52	15/02/2015	17.48	Dismantling of 220KV CT and PT.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Aurangabad - Taptithanda	27/01/2015	18.20		Continued.	B Ph Jumper Open @ Loc.No.-169.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV 500MVA ICT-II at Warora	16/01/2015	10.43		Continued.	CTR problem.
Dabhol - New Koyna - I	08/02/2015	18.18		Continued.	over voltage
Bableshwar-Taptitanda I	12/02/2015	18.49		Continued.	Over Voltage.
Karad - Kolhapur - I	14/02/2015	16.35	15/02/2015	07.06	Over Voltage.
Bhusawal- Aurangabad	14/02/2015	17.13		Continued.	Over Voltage.
Karad-Jaigad II	14/02/2015	18.04	15/02/2015	07.30	Over Voltage.
Lonikand- Koyna Stage IV	14/02/2015	21.53	15/02/2015	06.47	Over Voltage.
Karad - Kolhapur - II	15/02/2015	16.08		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Feb/2015

Position as on 6.30 Hrs of 16/Feb/2015

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	15/02/2015	17.18		Continued.	Over Voltage.
Karad-Jaigad I	15/02/2015	18.04		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	16/02/2015	00.31		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
400 KV GT - 5 Main Bay (410) at Deep-Nagar	06/02/2015	12:23		Continued.	Tripped on PDR while Synchronizing.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Voltage Level : 132KV			Outage Type TRIPPED		
Harangul-Chakur	15/02/2015	06.18	15/02/2015	06.41	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Feb/2015

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	155
Unit 7	210	165
	620	320
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	470
Unit 5	500	0
	1420	470
Parli		
Unit 3	210	0
Unit 4	210	155
Unit 5	210	150
Unit 6	250	188
Unit 7	250	188
	1130	681
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	210
Unit 4	210	200
Unit 5	500	450
Unit 6	500	430
Unit 7	500	450
	2340	1740
Paras		
Unit 3	250	220
Unit 4	250	220
	500	440
Khaparkheda		
Unit 1	210	205
Unit 2	210	180
Unit 3	210	210
Unit 4	210	210
Unit 5	500	500
	1340	1305
Nasik		
Unit 3	210	182
Unit 4	210	182
Unit 5	210	182
	630	546
Uran		
All Units	852	325
	852	325
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	19
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	14
BHANDARDRA	45	40
ELDARY	23	0
SMLHY PTN	12	13
GHATGHAR	250	0
	611	189
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	520
WARDHA	405	120
Adani	2640	1900
Other CPPs	300	745
	4545	3285
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	200
Trombay 6	500	500
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1397
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5558
	3455	5558