



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Feb/2015

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Feb/2015 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.811	1447.875	1) Gujrat	0.045	28.973
2) Hydro	7.222	103.171	2) Madhya Pradesh	14.189	169.100
3) Gas	3.624	106.060	3) Chattisgarh	6.350	72.210
Total MSGENCO	134.657	1657.106	4) Maharashtra Net	106.323	1200.948
B) 1) JSW JAIGAD	12.805	172.000	(Incl. 765kV Solapur-Raichur)	-12.701	-112.374
2) WPCL	2.883	32.990	5) Goa	-6.297	-75.302
3) ADANI	44.170	511.350	6) TAPS 1&2 Injection	3.791	44.636
4) Other CPP / IPP	25.486	307.129	7) RGPPL Injection	0.000	0.000
5) Wind Generation	2.260	77.831	8) Pench (Excess)	-0.556	-6.388
6) PENCH (MS)	0.556	6.388			
7) SOLAR	1.078	12.807	# Total Cent. Sector	123.845	1434.177
C) 1) TPCL Thermal	9.226	109.440	F) Other Exchanges		
2) TPCL Hydro	5.240	59.380	1) With TPCL (Excess)	-25.008	-327.860
TOTAL TPCL	14.466	168.820	G) Bilateral Power *		
3) REL Thermal	11.456	77.927	1) MSEDCL Bilateral	28.746	337.027
D) STATE			Include PX	3.062	35.833
1) Thermal (A1+C1+C3)	144.493	1635.242	2) MUMBAI Bilateral	21.714	271.338
2) Hydro (A2+B6+C2)	13.018	168.939	Include PX	3.569	57.130
3) Gas (A3)	3.624	106.060	3) MUMBAI Schedule	21.714	274.029
4) Wind (B5)	2.260	77.831	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	85.344	1023.469	1) MSEDCL	322.732	3883.918
6) SOLAR (B7)	1.078	12.807	2) TPCL	31.475	355.581
TOTAL STATE	249.817	3024.348	3) REL	19.452	219.021
			TOTAL STATE	373.659	4458.520

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	5568	5508	4722
MSGENCO Hydro	520	191	116
MSGENCO Gas	146	146	155
MSGENCO Total Generation	6234	5845	4993
Central Sector Receipt	6247	6138	4331
WIND	16	58	149
CPP / IPP	3716	3716	3234
SOLAR	167	107	0
Exchange with Mumbai	-1316	-1197	-668
MSEDCL DEMAND MET	15087	14692	12065
Load Shedding	702	443	81
MSEDCL DEMAND	15789	15135	12146
TPCL GENERATION	826	832	368
R-INFRA GENERATION	513	517	389
TPCL+R-INFRA DEMAND	2655	2546	1425
STATE DEMAND MET	17742	17238	13490
STATE DEMAND	18444	17681	13571
Frequency (Hz)	49.97	49.95	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.44 Hz at 18.02 Hrs	49.66 Hz at 22.06 Hrs	49.97	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 12/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	4.00	47.19	179	161	160
Unit 7	3.87	44.96	170	150	160
Total	7.86	92.15			320
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	10.58	117.50	505	360	350
Unit 5	0.00	36.44	0	0	0
Total	10.58	153.95			350
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.79	44.68	163	149	158
Unit 5	3.58	43.08	157	143	150
Unit 6	4.83	57.90	250	188	186
Unit 7	4.76	57.28	248	184	195
Total	16.96	202.94			689
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.99	36.08	130	116	130
Unit 3	3.96	40.04	190	112	200
Unit 4	4.28	38.14	188	155	200
Unit 5	10.11	118.80	450	375	450
Unit 6	7.80	80.38	435	0	430
Unit 7	9.94	116.60	468	325	450
Total	39.06	430.04			1860
Paras					
Unit 3	5.04	58.67	230	187	201
Unit 4	3.74	41.96	218	0	0
Total	8.78	100.63			201
Khaparkheda					
Unit 1	4.36	49.28	200	160	205
Unit 2	3.96	44.92	175	130	180
Unit 3	4.74	54.21	209	185	210
Unit 4	3.03	52.12	202	0	210
Unit 5	11.18	133.09	500	394	500
Total	27.27	333.62			1305
Nasik					
Unit 3	4.48	38.81	200	170	182
Unit 4	4.42	44.31	199	170	182
Unit 5	4.40	51.43	195	172	182
Total	13.30	134.55			546
Uran					
All Units	3.62	106.06	156	143	150
Total	3.62	106.06			150
PENCH (MS)					
Pench (MS)	0.56	6.39	27	0	
Total	0.56	6.39			
Koyna					
Stage 1-2	2.07	33.54	330	40	600
Stage 4	0.48	14.97	215	0	250
Stage 3	1.03	10.61	288	0	320
Kovna 12&4 Total	2.54	48.51			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.58	59.12			1170
Hydro					
KDPH	0.73	5.65	37	18	19
VTRNA	0.00	0.00	0	0	0
TILLARI	0.25	1.53	64	0	0
BHTGR/VEER	0.00	0.54	0	0	4
BHIRA T.R.	0.34	3.19	41	0	40
RNGR+BHTSA	0.34	4.12	14	13	10
BHANDARDRA	0.00	0.00	0	0	
ELDARY	0.00	3.20	0	0	12
SMLHY PTN	1.01	12.16	50	39	
GHATGHAR	0.97	13.65	125	0	
Total	3.64	44.05			85
Wind					
MalharPeth	0.09	1.61			
Vankuswadi	0.14	2.92			
ATIT	0.01	0.27			
Kale	0.04	1.14			
Satara	0.95	33.32			
Shirala	0.07	1.89			
K Mahankal	0.01	0.28			
Supa	0.09	1.05			
Vita	0.29	11.70			
Dondaicha	0.20	12.68			
Sakri	0.04	1.79			
Nandurbar	0.20	3.98			
Khandke	0.09	3.54			
Khaparale	0.04	1.66			
Total	2.26	77.83			
CPP					
JSW JAIGAD	12.80	172.00	595	410	522
WARDHA	2.88	32.99	123	115	120
Adani	44.17	511.35	1910	1710	1900
Other CPPs	25.49	307.13			745
Total	85.34	1023.47			3287
SOLAR					
Total	1.08	12.81			
Total	1.08	12.81			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	0.00	0	0	0
Trombay 6	3.62	43.21	153	150	500
Trombay 7A	0.00	0.00	0	0	0
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.61	66.23	253	197	250
TATA Hydro	5.24	59.38	471	0	447
Total	14.47	168.82			1197
REL					
1&2	11.46	77.93	519	388	500
Total	11.46	77.93			500
Cent Sect					
Share					6112
Total					6112
MS PG CL	Thermal	123.81	1447.88		5271
	Thml+Gas	127.44	1553.94		5421
	Hydro	7.22	103.17		1255
	Total	134.66	1657.11		6676
State Total		249.82	3024.35		17772

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	4854	240	152	5246	155	3271	0	4252	4367	-692	-883	12181	79	12260	1647	13907	49.90
2	4761	111	154	5026	179	3272	0	4298	4279	-670	-751	12030	77	12107	1489	13596	49.96
3	4722	116	155	4993	149	3234	0	4248	4331	-633	-668	12065	81	12146	1425	13571	49.98
4	4722	121	155	4998	109	3245	0	4306	4471	-633	-643	12206	81	12287	1382	13669	50.01
5	4740	111	156	5007	67	3277	0	4500	4567	-633	-643	12302	82	12384	1383	13767	50.00
6	4758	116	156	5030	62	3356	0	4768	5157	-695	-732	12900	110	13010	1514	14524	49.94
7	5147	273	155	5575	51	3678	0	4988	5192	-778	-720	13803	299	14102	1701	15803	49.92
8	5329	660	155	6144	46	3685	5	5351	5449	-864	-789	14567	681	15248	1845	17093	49.94
9	5418	550	154	6122	53	3651	43	5675	5718	-832	-977	14637	683	15320	2136	17456	49.93
10	5488	629	152	6269	36	3637	106	6040	6196	-1017	-1079	15192	508	15700	2419	18119	49.99
11	5541	710	148	6399	20	3734	127	6298	6195	-1218	-1287	15215	568	15783	2616	18399	49.99
12	5568	520	146	6234	16	3716	167	6213	6247	-1280	-1316	15087	702	15789	2655	18444	49.97
13	5708	261	145	6114	18	3717	136	5883	5795	-1248	-1282	14523	825	15348	2627	17975	49.99
14	5723	187	143	6053	21	3704	175	5709	5623	-1117	-1250	14351	708	15059	2524	17583	50.00
15	5692	182	143	6017	22	3701	121	5919	5902	-1126	-1217	14571	543	15114	2544	17658	49.97
16	5508	191	146	5845	58	3716	107	5934	6138	-1135	-1197	14692	443	15135	2546	17681	49.95
17	5339	431	147	5917	88	3732	65	5680	5486	-1137	-1253	14060	441	14501	2599	17100	49.96
18	5346	209	149	5704	128	3617	24	4688	4317	-867	-1330	12471	322	12793	2508	15301	50.04
19	5352	235	151	5738	171	3665	2	4689	4489	-948	-1265	12800	169	12969	2482	15451	49.98
20	5104	328	152	5584	211	3691	0	5070	5182	-1018	-1130	13546	168	13714	2522	16236	49.91
21	4886	261	152	5299	186	3618	0	5038	5031	-854	-1196	12963	133	13096	2359	15455	49.96
22	4713	228	153	5094	159	3564	0	4667	4868	-784	-1334	12374	79	12453	2191	14644	50.01
23	4666	421	152	5239	130	3463	0	4245	4202	-765	-1144	11915	68	11983	1994	13977	49.92
24	4728	131	153	5012	125	3400	0	4837	4643	-770	-922	12283	58	12341	1822	14163	50.00
MUs	123.81	7.22	3.62	134.66	2.26	85.34	1.08	123.30	123.84	-21.71	-25.01	322.73	7.91	330.64	50.93	381.57	49.97

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 12/Feb/2015

Position as on 6.30 Hrs of 13/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)	
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
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 5	108	09/02/2015	10.04		Continued.	Gas Shortage.	
Uran Unit 7	108	11/02/2015	23.27		Continued.	Gas Shortage.	
Uran Unit B0	120	11/02/2015	23.27		Continued.	Gas Shortage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 12/Feb/2015

Position as on 6.30 Hrs of 13/Feb/2015

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Paras Unit 4	250	12/02/2015	01.21	12/02/2015	05.34	Flame Failure.	
Khaparkheda Unit 4	210	12/02/2015	15.53		Continued.	BTL.	
Chandrapur Unit 6	500	12/02/2015	19.18	13/02/2015	01.48	Unit Auxillary Tranformer Tripped.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Feb/2015

Position as on 6.30 Hrs of 13/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-Bhoisor (PGCIL)	12/02/2015	11.22	12/02/2015	19.57	A/R Auto to Non auto
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	11/02/2015	17.14	12/02/2015	06.42	Over Voltage.
Kolhapur-Solapur (PG) II	11/02/2015	18.15	12/02/2015	06.37	Over Voltage.
Dhule-Sar'Sarovar - I	11/02/2015	22.06	12/02/2015	06.39	Over Voltage.
Kolhapur - Mapusa - I	12/02/2015	16.23	13/02/2015	06.56	Over Voltage.
Dhule-Sar'Sarovar - I	12/02/2015	17.32	13/02/2015	06.55	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	12/02/2015	18.17	13/02/2015	06.23	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 Kv ICT - II LV BKR at Lonikand.	07/02/2015	11:59		Continued.	ICT Taken on TBC.
Chandrapur II - Dhariwal - I	08/02/2015	10.57		Continued.	PM of line & line bay at DIL end
Bblswr - Padgha - II	10/02/2015	00.37		Continued.	Shifted to TBC to Attend Hot Spot.
400/220KV 315 MVA ICT-II @ Talangade	12/02/2015	09.22	12/02/2015	16.25	To Attend Hot Spot.
400/220KV 500MVA ICT-II at Lonikand-II	12/02/2015	09.36	12/02/2015	17.23	Generail Bay Maint.
400/220 KV 315 MVA ICT-III @ Lonikand.	12/02/2015	11.55	12/02/2015	13.45	CB DCRM shifted on TBC.
Bhusawal - Akola	12/02/2015	16.20	12/02/2015	18.39	Maint. 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.
Baramati - Lonand	12/02/2015	10.05	12/02/2015	16.47	Replacement of Insulator String.
Apta-Uran-II	12/02/2015	11.14	12/02/2015	17.39	Cross ARM Painting.
220/33KV,125MVA T/F-V at Aarey.	12/02/2015	14.36	12/02/2015	15.33	Incomer Work.
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.
Bableshwar-Taptitanda II	28/01/2015	19.24	12/02/2015	15.59	Over Voltage.
Dabhol - New Koyana - I	08/02/2015	18.18		Continued.	over voltage
Karad-Kolhapur-II	11/02/2015	16.08	12/02/2015	07.07	Over Voltage.
Karad-Jaigad II	11/02/2015	16.36	12/02/2015	07.09	Over Voltage.
Bhusawal- Aurangabad	11/02/2015	17.53	12/02/2015	08.48	Over Voltage.
Karad - Kolhapur - II	12/02/2015	16.06		Continued.	Over Voltage.
Bhusawal- Aurangabad	12/02/2015	16.08	13/02/2015	06.02	Over Voltage.
Karad-Jaigad I	12/02/2015	16.13		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Feb/2015

Position as on 6.30 Hrs of 13/Feb/2015

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bableshtar-Taptitanda I	12/02/2015	18.49		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	13/02/2015	03.05	13/02/2015	06.17	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
Karad-Mudsingi-IV	12/02/2015	17.05	13/02/2015	03.47	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Feb/2015

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	165
Unit 7	210	175
	620	340
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	360
Unit 5	500	0
	1420	360
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	145
Unit 6	250	188
Unit 7	250	188
	1130	681
Chandrapur		
Unit 1	210	0
Unit 2	210	130
Unit 3	210	200
Unit 4	210	200
Unit 5	500	450
Unit 6	500	400
Unit 7	500	450
	2340	1830
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	0
Unit 5	500	500
	1340	1095
Nasik		
Unit 3	210	182
Unit 4	210	182
Unit 5	210	182
	630	546
Uran		
All Units	852	165
	852	165
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	0
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	83
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	519
WARDHA	405	120
Adani	2640	1900
Other CPPs	300	745
	4545	3284
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	500
	500	500
Cent Sect		
Share	3455	6061
	3455	6061

	21940	8 of 8 17752
--	--------------	---------------------