



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Dec/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Dec/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.845	247.126	1) Gujrat	-2.303	-1.407
2) Hydro	8.754	14.593	2) Madhya Pradesh	9.425	20.348
3) Gas	7.937	15.282	3) Chattisgarh	6.390	12.460
Total MSGENCO	140.536	277.001	4) Maharashtra Net	85.188	167.814
B) 1) JSW JAIGAD	22.781	44.631	(Incl. 765kV Solapur-Raichur)	-7.035	-13.575
2) WPCL	2.761	5.455	5) Goa	-6.236	-11.999
3) ADANI	56.170	110.190	6) TAPS 1&2 Injection	3.592	7.192
4) Other CPP / IPP	23.967	46.050	7) RGPPL Injection	0.000	0.000
5) Wind Generation	7.235	18.977	8) Pench (Excess)	-0.241	-0.798
6) PENCH (MS)	0.241	0.798	# Total Cent. Sector	95.815	193.610
7) SOLAR	1.146	1.972	F) Other Exchanges		
C) 1) TPCL Thermal	20.361	38.988	1) With TPCL (Excess)	-17.896	-38.069
2) TPCL Hydro	4.707	7.514	G) Bilateral Power *		
TOTAL TPCL	25.068	46.502	1) MSEDCL Bilateral	21.039	46.009
3) REL Thermal	12.084	23.975	Include PX	-3.164	-0.177
D) STATE			2) MUMBAI Bilateral	18.824	39.772
1) Thermal (A1+C1+C3)	156.290	310.089	Include PX	0.629	1.294
2) Hydro (A2+B6+C2)	13.702	22.905	3) MUMBAI Schedule	18.824	39.772
3) Gas (A3)	7.937	15.282	H) ENERGY CATERED (MUs)		
4) Wind (B5)	7.235	18.977	1) MSEDCL	332.756	660.615
5) CPP/IPP (B1+B2+B3+B4)	105.679	206.326	2) TPCL	33.148	65.663
6) SOLAR (B7)	1.146	1.972	3) REL	21.167	42.146
TOTAL STATE	291.989	575.551	TOTAL STATE	387.071	768.424

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5663	5666	4892
MSGENCO Hydro	584	320	98
MSGENCO Gas	314	310	323
MSGENCO Total Generation	6561	6296	5313
Central Sector Receipt	4764	5076	2674
WIND	417	147	437
CPP / IPP	4683	4601	3831
SOLAR	184	147	0
Exchange with Mumbai	-977	-992	-434
MSEDCL DEMAND MET	15632	15275	11821
Load Shedding	202	202	53
MSEDCL DEMAND	15834	15477	11874
TPCL GENERATION	1283	1220	704
R-INFRA GENERATION	519	520	454
TPCL+R-INFRA DEMAND	2779	2732	1592
STATE DEMAND MET	18411	18007	13413
STATE DEMAND	18613	18209	13466
Frequency (Hz)	49.96	49.93	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.25 Hz at 17:01 Hrs	49.63 Hz at 15:21 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 02/Dec/2014

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	3.71	7.33	170	145	150
Unit 7	3.91	7.79	170	153	160
Total	7.62	15.13			310
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.32	6.72	145	130	140
Unit 4	10.46	19.96	505	365	440
Unit 5	9.67	18.80	490	355	400
Total	23.46	45.48			980
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.54	7.15	152	142	150
Unit 6	4.68	9.60	245	181	190
Unit 7	4.78	9.66	250	181	190
Total	13.00	26.41			530
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.61	7.03	154	146	150
Unit 3	0.00	0.00	0	0	0
Unit 4	4.31	8.30	193	158	190
Unit 5	9.20	18.04	450	365	370
Unit 6	8.54	16.94	400	310	370
Unit 7	8.01	16.66	413	258	370
Total	33.67	66.97			1450
Paras					
Unit 3	4.96	10.31	234	187	200
Unit 4	4.70	9.86	207	179	200
Total	9.67	20.17			400
Khaparkheda					
Unit 1	3.45	7.04	180	130	180
Unit 2	3.25	6.68	160	120	180
Unit 3	3.58	7.45	174	143	170
Unit 4	3.60	7.42	179	140	185
Unit 5	9.82	19.21	495	342	420
Total	23.71	47.80			1135
Nasik					
Unit 3	4.38	8.53	200	165	190
Unit 4	4.16	8.34	182	168	190
Unit 5	4.19	8.29	188	163	190
Total	12.72	25.16			570
Uran					
All Units	7.94	15.28	441	303	330
Total	7.94	15.28			330
PENCH (MS)					
Pench (MS)	0.24	0.80	41	0	
Total	0.24	0.80			
Koyna					
Stage 1-2	3.46	5.58	415	40	600
Stage 4	1.22	1.31	280	0	250
Stage 3	1.10	1.31	160	0	240
Kovna 12&4 Total	4.67	6.88			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.77	8.20			1090
Hydro					
KDPH	0.45	0.90	19	18	18
VTRNA	1.16	2.33	61	0	61
TILLARI	0.23	0.59	60	0	64
BHTGR/VEER	0.07	0.17	3	2	
BHIRA T.R.	0.11	0.23	41	0	80
RNGR+BHTSA	0.00	0.00	0	0	
BHANDARDRA	0.00	0.00	0	0	
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.96	2.17	46	37	14
GHATGHAR	0.00	0.00	0	0	
Total	2.98	6.40			237
Wind					
MalharPeth	0.26	0.68			
Vankuswadi	0.56	1.40			
ATIT	0.05	0.14			
Kale	0.16	0.49			
Satara	4.08	4.36			
Shirala	0.29	0.79			
K Mahankal	0.01	7.02			
Supa	0.01	0.16			
Vita	0.67	1.98			
Dondaicha	0.41	0.41			
Sakri	0.06	0.06			
Nandurbar	0.13	0.33			
Khandke	0.30	0.65			
Khaparale	0.24	0.51			
Total	7.24	18.98			
CPP					
JSW JAIGAD	22.78	44.63	1165	764	970
WARDHA	2.76	5.46	117	111	115
Adani	56.17	110.19	2480	2060	2446
Other CPPs	23.97	46.05			745
Total	105.68	206.33			4276
SOLAR					
Total	1.15	1.97			
Total	1.15	1.97			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.48	20.07	494	314	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.62	4.74	115	82	120
Trombay 7B	1.57	2.96	68	57	60
Trombay 8	5.69	11.21	252	200	250
TATA Hydro	4.71	7.51	422	0	447
Total	25.07	46.50			1377
REL					
1&2	12.08	23.98	522	452	500
Total	12.08	23.98			500
Cent Sect					
Share					4587
Total					4587
MS PG CL	Thermal	123.84	247.13		5375
	Thml+Gas	131.78	262.41		5705
	Hydro	8.75	14.59		1327
	Total	140.54	277.00		7032
State Total		291.99	575.55		17772

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/Dec/2014

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	4917	163	323	5403	323	3874	0	3437	3027	-507	-659	11968	82	12050	1813	13863	49.99
2	4868	158	323	5349	377	3906	0	3458	2890	-507	-517	12005	53	12058	1668	13726	49.99
3	4892	98	323	5313	437	3831	0	3271	2674	-507	-434	11821	53	11874	1592	13466	50.00
4	4911	99	323	5333	496	3815	0	3212	2892	-507	-395	12162	53	12215	1547	13762	50.04
5	4911	99	324	5334	529	3967	0	3317	3281	-507	-395	12742	54	12796	1545	14341	49.99
6	4923	104	325	5352	528	4092	0	3604	3841	-507	-483	13351	67	13418	1640	15058	49.97
7	5078	195	322	5595	513	4355	1	4373	4700	-509	-427	14778	81	14859	1797	16656	49.93
8	5158	455	324	5937	449	4362	14	4534	4762	-508	-412	15145	81	15226	1950	17176	49.92
9	5201	562	315	6078	363	4483	70	4572	4609	-627	-414	15229	76	15305	2212	17517	49.93
10	5206	944	309	6459	436	4587	113	4688	4594	-800	-692	15530	69	15599	2521	18120	49.90
11	5185	931	303	6419	534	4666	160	4700	4551	-984	-898	15458	62	15520	2764	18284	49.94
12	5353	815	312	6480	579	4676	155	4712	4450	-1042	-946	15394	99	15493	2794	18287	49.98
13	5663	584	314	6561	417	4683	184	4697	4764	-1027	-977	15632	202	15834	2779	18613	49.96
14	5699	437	311	6447	235	4665	155	4732	4605	-961	-986	15121	241	15362	2693	18055	50.03
15	5666	320	310	6296	147	4601	147	4983	5076	-966	-992	15275	202	15477	2732	18209	49.93
16	5234	591	324	6149	121	4610	94	4928	5078	-966	-933	15119	151	15270	2761	18031	49.83
17	5048	826	322	6196	116	4633	49	4705	4793	-951	-978	14809	155	14964	2768	17732	49.94
18	5034	239	324	5597	125	4741	4	4407	4108	-941	-990	13585	148	13733	2746	16479	49.96
19	5090	242	324	5656	115	4462	0	4626	4789	-1008	-999	14023	74	14097	2809	16906	49.96
20	5096	229	378	5703	99	4608	0	4567	4398	-991	-961	13847	76	13923	2720	16643	49.95
21	5170	169	440	5779	89	4606	0	3928	3581	-947	-1024	13031	65	13096	2536	15632	49.99
22	5198	169	441	5808	69	4597	0	3120	3080	-913	-895	12659	63	12722	2373	15095	50.07
23	5188	165	311	5664	71	4546	0	3022	2467	-864	-802	11946	63	12009	2220	14229	49.99
24	5156	160	312	5628	67	4313	0	2917	2805	-777	-687	12126	63	12189	2068	14257	50.01
MUs	123.84	8.75	7.94	140.54	7.24	105.68	1.15	98.51	95.82	-18.82	-17.90	332.76	2.33	335.09	55.05	390.14	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 02/Dec/2014

Position as on 6.30 Hrs of 03/Dec/2014

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	
Koyna Unit 11	80	23/09/2014	02.30		Continued.	Stator Earth Fault	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.(60Days)	
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	
Parli Unit 4	210	13/10/2014	10.49		Continued.	Coal Shortage.	
CPP WPCL U-1	135	30/10/2014	00.43		Continued.	ESP Bag Filter Damaged	
CPP IPL U-2	270	30/10/2014	16.16		Continued.	Gen.Diff.Protection operated	
CPP WPCL U-4	135	01/11/2014	00.19		Continued.	Withdrawn	
Chandrapur Unit 3	210	12/11/2014	20.58		Continued.	Coal Shortage.	
Tata Trombay 6	500	21/11/2014	21.11		Continued.	Economic Shut Down	
Uran Unit 8	108	26/11/2014	00.02		Continued.	Gas Shortage	
Uran Unit B0	120	26/11/2014	00.25		Continued.	Gas Shortage	
CPP Adani U-5	660	26/11/2014	20.12		Continued.	MS drain line leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Dec/2014

Position as on 6.30 Hrs of 03/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
765/400 KV 1500 MVA ICT LV Side Tie Bay@ Akola - II	02/12/2014	11.53	02/12/2014	20.10	A.M.Work.
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		
Talegaon PG- Aurangabad - I	29/11/2014	16.33		Continued.	over voltage
Kolhapur-Mapusa-II	01/12/2014	16.39	02/12/2014	09.17	Over Voltage.
Dhule-Sar'Sarovar - II	01/12/2014	20.01	02/12/2014	09.26	Over Voltage.
Kolhapur-Solapur(PGCIL)- I	01/12/2014	21.03	02/12/2014	06.36	Over Voltage.
Dhule-Sar'Sarovar - I	02/12/2014	17.46	03/12/2014	06.50	Over Voltage.
Kolhapur - Mapusa - II	02/12/2014	17.46		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	26/11/2014	03.23		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Talangade-Chikodi	01/12/2014	15.27	02/12/2014	03.17	Distance Protection(Bus Bar operated at Chikodi)
Mudshingi -- Chikodi	01/12/2014	15.27	02/12/2014	07.46	Distance Protection(Bus Bar operated at Chikodi)
Nasik-Navsari-I	01/12/2014	22.08		Continued.	Distance Protection Y Ph Z-I.
Voltage Level : 132KV			Outage Type TRIPPED		
Kanhan - Pench - I	02/12/2014	13.40	02/12/2014	14.36	132KV Bus Bar Prot of Bus I Optd.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ,GT-5 at Deepnagar	22/09/2014	10.50		Continued.	Repl.damaged poles of main CB pole.
400/220 KV 315 MVA ICT-II @ Nagothane.	12/11/2014	13.02		Continued.	Shifted to TBC for BKR overloading.
400/11.5 KV 80 MVA Stn T/F - I @ Chandrapur	19/11/2014	08.55		Continued.	Testing work by MSPGCL.
400/220 KV 500 MVA ICT - I @ Warora	23/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder of B Ph CTR System.
Bus - II @ Koradi	26/11/2014	10.52		Continued.	High level stringing over Bus 2 for Dia-3.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Ghodbandar	25/11/2014	10.43		Continued.	Erection & Stringing Work.
Ghodbandar - Bhoisor (MSETCL)	25/11/2014	11.36		Continued.	Erection & Stringing Work.
Kharghar-TSS	02/12/2014	07.56	02/12/2014	17.21	Repl.of Deterioat Dis Ins.
Karad-Vita-II	02/12/2014	10.08	02/12/2014	13.45	Attending hot spot on R-Ph CT Clamp.
Parly - Parly Extn. - II	02/12/2014	10.22	02/12/2014	14.03	Attending B-Ph CT oil leakage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	30/11/2014	17.11	02/12/2014	06.36	Over Voltage.
Karad - Kolhapur - II	01/12/2014	16.12	02/12/2014	10.00	Over Voltage.
Karad-Jaigad I	01/12/2014	16.40		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Dec/2014

Position as on 6.30 Hrs of 03/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonikand- Koyna Stage IV	01/12/2014	21.11	02/12/2014	06.18	Over Voltage.
Karad - Kolhapur - II	02/12/2014	16.41		Continued.	Over Voltage.
Bhusawal- Aurangabad	02/12/2014	17.38	03/12/2014	06.51	Over Voltage.
Lonikand- Koyna Stage IV	02/12/2014	21.21	03/12/2014	06.46	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	28/11/2014	15.44		Continued.	Y Phase Bushing Heavy Oil Leakage
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT- III at Borivali	21/09/2014	09.16		Continued.	monkey fault
220/22KV 100MVA T/F-I at Kamba	21/11/2014	10.04		Continued.	Differential operated
Kolhapur - Sawantwadi - II	02/12/2014	13.20		Continued.	Dist.Prot.
220/132 KV 200 MVA ,ICT -1 at Kanhan	02/12/2014	13.40	02/12/2014	14.10	While isolator operation of 132KV Uppalwadi ckt.
Voltage Level : 132KV			Outage Type TRIPPED		
Paras-Malkapur	02/12/2014	13.10	02/12/2014	13.15	No indication.
Akola - Paras - I	02/12/2014	13.10	02/12/2014	13.11	While work of relay retrofitting in progress.
Kanhan-Mouda	02/12/2014	13.40	02/12/2014	14.30	132KV Bus Bar Prot of Bus I Optd.
Kanhan- Rly TSS ckt - I	02/12/2014	13.40	02/12/2014	14.34	132KV Bus Bar Prot of Bus I Optd.
Main Bus I at Kanhan	02/12/2014	13.40	02/12/2014	14.20	132KV Bus Bar Prot of Bus I Optd.
Bus Coupler at Kanhan	02/12/2014	13.40	02/12/2014	14.20	132KV Bus Bar Prot of Bus I Optd.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Dec/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	160
	620	310
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	365
Unit 5	500	370
	1420	875
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	155
Unit 6	250	185
Unit 7	250	180
	1130	520
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	0
Unit 4	210	190
Unit 5	500	370
Unit 6	500	370
Unit 7	500	370
	2340	1450
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	170
Unit 4	210	185
Unit 5	500	420
	1340	1135
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	330
	852	330
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	14
GHATGHAR	250	0
	611	237
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	991
WARDHA	405	115
Adani	2640	2446
Other CPPs	300	745
	4545	4297
SOLAR		
Total	0	
	0	
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	5270
	3455	5270