



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Dec/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Dec/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.472	3624.980	1) Gujrat	-0.387	40.781
2) Hydro	9.280	287.550	2) Madhya Pradesh	10.761	336.085
3) Gas	7.754	259.807	3) Chattisgarh	5.520	179.020
Total MSGENCO	140.506	4172.337	4) Maharashtra Net	80.917	2575.270
B) 1) JSW JAIGAD	19.547	629.057	(Incl. 765kV Solapur-Raichur)	-8.736	-219.537
2) WPCL	2.613	79.128	5) Goa	-6.322	-180.805
3) ADANI	46.640	1469.530	6) TAPS 1&2 Injection	2.475	117.830
4) Other CPP / IPP	24.807	685.741	7) RGPPL Injection	0.000	0.000
5) Wind Generation	7.675	217.475	8) Pench (Excess)	-0.220	-3.525
6) PENCH (MS)	0.220	3.525	# Total Cent. Sector	92.744	3064.656
7) SOLAR	0.925	29.047	F) Other Exchanges		
C) 1) TPCL Thermal	14.943	482.016	1) With TPCL (Excess)	-17.314	-629.202
2) TPCL Hydro	3.955	107.927	G) Bilateral Power *		
TOTAL TPCL	18.898	589.943	1) MSEDCL Bilateral	19.121	730.595
3) REL Thermal	11.132	266.916	Include PX	-1.641	-62.085
D) STATE			2) MUMBAI Bilateral	14.303	552.343
1) Thermal (A1+C1+C3)	149.547	4373.912	Include PX	-0.650	38.778
2) Hydro (A2+B6+C2)	13.455	399.002	3) MUMBAI Schedule	14.303	559.744
3) Gas (A3)	7.754	259.807	H) ENERGY CATERED (MUs)		
4) Wind (B5)	7.675	217.475	1) MSEDCL	318.363	9721.294
5) CPP/IPP (B1+B2+B3+B4)	93.607	2863.456	2) TPCL	29.365	909.682
6) SOLAR (B7)	0.925	29.047	3) REL	17.980	575.641
TOTAL STATE	272.963	8142.699	TOTAL STATE	365.708	11206.617

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5409	5567	4698
MSGENCO Hydro	1109	289	124
MSGENCO Gas	302	310	323
MSGENCO Total Generation	6820	6166	5145
Central Sector Receipt	4959	4828	2319
WIND	264	220	376
CPP / IPP	4200	4182	3565
SOLAR	149	136	0
Exchange with Mumbai	-915	-843	-390
MSEDCL DEMAND MET	15477	14716	11015
Load Shedding	711	591	64
MSEDCL DEMAND	16188	15307	11079
TPCL GENERATION	1044	991	514
R-INFRA GENERATION	524	523	390
TPCL+R-INFRA DEMAND	2483	2357	1294
STATE DEMAND MET	17960	17073	12309
STATE DEMAND	18671	17664	12373
Frequency (Hz)	49.94	50.01	50.07

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 02.02 Hrs	49.52 Hz at 08.39 Hrs	49.94	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 30/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	3.69	97.81	165	130	170
Unit 7	4.01	119.08	180	152	170
Total	7.70	216.90			340
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.90	61.08	185	155	150
Unit 4	11.01	281.62	515	360	500
Unit 5	10.04	269.19	500	350	426
Total	24.96	611.88			1076
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.59	106.75	155	143	157
Unit 6	5.33	156.25	250	188	212
Unit 7	0.00	138.43	0	0	0
Total	8.92	401.43			369
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.34	97.37	145	127	140
Unit 3	2.78	2.83	151	20	150
Unit 4	4.30	126.46	195	162	200
Unit 5	10.03	271.39	470	347	450
Unit 6	9.11	260.63	415	344	400
Unit 7	0.00	237.55	0	0	0
Total	29.57	996.23			1340
Paras					
Unit 3	5.08	146.13	261	192	200
Unit 4	5.10	133.00	244	185	200
Total	10.19	279.13			400
Khaparkheda					
Unit 1	4.26	116.03	200	155	180
Unit 2	3.85	113.53	175	140	180
Unit 3	4.85	133.94	218	187	210
Unit 4	4.86	135.04	210	194	210
Unit 5	11.05	266.99	500	390	500
Total	28.88	765.53			1280
Nasik					
Unit 3	4.42	132.78	200	165	200
Unit 4	4.44	91.84	191	178	190
Unit 5	4.40	129.27	191	172	190
Total	13.26	353.88			580
Uran					
All Units	7.75	259.81	400	301	465
Total	7.75	259.81			465
PENCH (MS)					
Pench (MS)	0.22	3.52	54	0	
Total	0.22	3.52			
Koyna					
Stage 1-2	3.05	80.24	495	40	600
Stage 4	2.59	49.11	634	0	250
Stage 3	1.27	28.00	240	0	240
Kovna 12&4 Total	5.64	129.35			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	6.91	157.35			1090
Hydro					
KDPH	0.42	13.72	19	5	19
VTRNA	0.00	15.83	0	0	63
TILLARI	0.37	10.32	63	0	64
BHTGR/VEER	0.04	0.92	2	1	4
BHIRA T.R.	0.16	5.93	80	0	80
RNGR+BHTSA	0.36	9.36	15	15	14
BHANDARDRA	0.00	5.54	0	0	0
ELDARY	0.00	6.75	0	0	0
SMLHY PTN	1.02	29.82	50	39	10
GHATGHAR	0.00	32.02	0	0	0
Total	2.37	130.20			254
Wind					
MalharPeth	0.10	5.13			
Vankuswadi	0.22	11.16			
ATIT	0.03	1.13			
Kale	0.12	4.04			
Satara	3.92	103.11			
Shirala	0.20	6.33			
K Mahankal	0.02	7.45			
Supa	0.10	2.58			
Vita	1.03	23.75			
Dondaicha	1.07	26.65			
Sakri	0.06	2.90			
Nandurbar	0.37	9.17			
Khandke	0.26	8.45			
Khaparale	0.16	5.62			
Total	7.68	217.48			
CPP					
JSW JAIGAD	19.55	629.06	935	685	1095
WARDHA	2.61	79.13	112	103	135
Adani	46.64	1469.53	2090	1760	2080
Other CPPs	24.81	685.74			745
Total	93.61	2863.46			4055
SOLAR					
Total	0.92	29.05			
Total	0.92	29.05			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.52	287.01	478	313	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	0.00	24.33	0	0	0
Trombay 7B	0.00	15.56	0	0	0
Trombay 8	5.42	155.11	251	198	250
TATA Hydro	3.96	107.93	392	0	447
Total	18.90	589.94			1197
REL					
1&2	11.13	266.92	525	386	500
Total	11.13	266.92			500
Cent Sect					
Share					4985
Total					4985
MS PG CL	Thermal	123.47	3624.98		5385
	Thml+Gas	131.23	3884.79		5850
	Hydro	9.28	287.55		1344
	Total	140.51	4172.34		7194
State Total		272.96	8142.70		17931

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	4745	174	320	5239	244	3508	0	2815	3062	-541	-523	11530	86	11616	1479	13095	49.99
2	4695	199	320	5214	322	3547	0	2790	2396	-439	-461	11018	64	11082	1363	12445	50.03
3	4698	124	323	5145	376	3565	0	2613	2319	-392	-390	11015	64	11079	1294	12373	50.07
4	4714	125	323	5162	406	3572	0	2456	2347	-362	-368	11119	64	11183	1271	12454	50.02
5	4723	115	320	5158	453	3619	0	2723	2598	-371	-377	11477	65	11542	1279	12821	49.98
6	4737	120	320	5177	438	3649	0	3473	3531	-431	-468	12374	131	12505	1371	13876	49.98
7	4966	265	321	5552	474	3771	0	3960	4269	-439	-546	13574	249	13823	1511	15334	49.93
8	5317	868	322	6507	486	3914	7	4170	4081	-366	-384	14637	248	14885	1723	16608	49.76
9	5344	1067	320	6731	351	3957	46	4575	5021	-564	-521	15585	353	15938	1976	17914	49.69
10	5388	1370	326	7084	347	3957	93	4639	4349	-595	-662	15168	537	15705	2293	17998	49.83
11	5354	1203	310	6867	379	4101	122	4815	4587	-713	-832	15224	595	15819	2468	18287	49.85
12	5409	1109	302	6820	264	4200	149	4901	4959	-755	-915	15477	711	16188	2483	18671	49.94
13	5548	542	301	6391	230	4237	131	4781	4862	-732	-907	14984	860	15844	2476	18320	49.98
14	5567	289	310	6166	220	4182	136	4704	4828	-710	-843	14716	591	15307	2357	17664	50.01
15	5581	148	330	6059	242	4145	109	4848	4856	-706	-825	14586	264	14850	2347	17197	49.92
16	5360	125	352	5837	253	4156	89	4935	5158	-696	-702	14791	170	14961	2344	17305	49.93
17	5309	115	360	5784	183	4087	41	4819	4585	-685	-789	13891	181	14072	2344	16416	49.97
18	5321	120	400	5841	174	4016	2	4248	4006	-672	-963	13076	149	13225	2341	15566	49.94
19	5317	393	310	6020	196	4089	0	4236	4367	-666	-1018	13654	125	13779	2386	16165	49.93
20	5329	245	310	5884	247	4098	0	4209	4232	-573	-909	13552	104	13656	2407	16063	49.98
21	5364	194	312	5870	251	3921	0	3843	3642	-569	-1048	12636	83	12719	2246	14965	50.00
22	5038	133	312	5483	334	3855	0	3184	3217	-809	-1132	11757	79	11836	2052	13888	50.04
23	4836	116	315	5267	388	3782	0	2814	2670	-773	-943	11164	76	11240	1845	13085	49.91
24	4813	121	315	5249	417	3679	0	2846	2798	-742	-788	11355	67	11422	1688	13110	49.97
MUs	123.47	9.28	7.75	140.51	7.68	93.61	0.92	93.40	92.74	-14.30	-17.31	318.36	5.92	324.28	47.34	371.62	49.94

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 30/Dec/2014

Position as on 6.30 Hrs of 31/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)	
Hydro GhatgharU2	125	23/12/2014	08.30		Continued.	Annual Overhaul	
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	
Tata Trombay 6	500	21/11/2014	21.11		Continued.	Economic Shut Down	
CPP Adani U1	660	08/12/2014	14.45		Continued.	Uproting of turbine steam chest drain line	
Tata Trombay 7B	60	11/12/2014	20.39		Continued.	Mandatory Gas Path Inspection.	
Tata Trombay 7A	120	11/12/2014	21.51		Continued.	Mandatory Gas Path Inspection.	
CPP JSW (J) U2	300	19/12/2014	16.55		Continued.	No Schedule	
CPP WPCL U-3	135	25/12/2014	14.02		Continued.	ID Fan Problem.	
Chandrapur Unit 7	500	27/12/2014	21.44		Continued.	Boiler Tube Leakage	
Uran Unit 7	108	28/12/2014	04.49		Continued.	Gas Shortage.	
Parli Unit 7	250	28/12/2014	06.20		Continued.	Boiler Tube Leakage	
Uran Unit B0	120	29/12/2014	12.30		Continued.	Gas Shortage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 30/Dec/2014

Position as on 6.30 Hrs of 31/Dec/2014

Name of Generating Unit	Capacity	Tripped Date	Trippe d Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Uran Unit 8	108	29/12/2014	21.39		Continued.	Turbine Control Fault.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Dec/2014

Position as on 6.30 Hrs of 31/Dec/2014

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	29/12/2014	16.06		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	29/12/2014	16.55	30/12/2014	07.20	Over Voltage.
Dhule-Sar'Sarovar - II	29/12/2014	19.26	30/12/2014	06.24	Over Voltage.
Dhule-Sar'Sarovar - I	30/12/2014	20.35	31/12/2014	06.19	Over Voltage.
Kolhapur-Solapur (PG) II	31/12/2014	01.16	31/12/2014	06.45	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	13/12/2014	00.00		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari-I	29/12/2014	18.05	30/12/2014	11.32	Distance Protection Operated RY-E Fault.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT - I @ Warora	23/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder of B Ph CTR System.
600 MVA 21/400 KV GT VII at Chandrapur	29/12/2014	10.17	30/12/2014	17.50	Replacement of B Ph CT,DCRM of Breaker & Routine Maintainance Work.
Newkoyna - Jaigad - I	30/12/2014	09.48	30/12/2014	18.33	LA,CVT,CT,PT,Wave Trap Tightness & Cleaning.
Dhule - Babhaleshwar - I	30/12/2014	11.11	30/12/2014	16.24	Online Pid Testing Work @ Various Location.
Dhule - Babaleshwar - II	30/12/2014	11.11	30/12/2014	16.24	Online Pid Testing Work @ Various Location.
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.
Mahad-Pasco	30/12/2014	10.04	30/12/2014	18.15	Work of Replacement of Insulator String & Emergency Tree Cutting Work Need to be Carried Out.
220/7 KV 35 MVA Station T/F - I @ Parly	30/12/2014	10.31	30/12/2014	15.52	R.M.Work & Tan Delta of CT.
220/100KV 200 MVA ICT-III @ Padgha	30/12/2014	10.48	30/12/2014	17.28	To Attend CT Leakage.
Bale-Usmanabad	30/12/2014	12.35	30/12/2014	18.01	Replacement of Insulator String.
Murud - Girawli.	30/12/2014	12.45	30/12/2014	16.44	Isolator Alignment Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Abad- Talegaon pg-1	30/12/2014	17.16	30/12/2014	19.59	For Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	24/12/2014	16.31		Continued.	Over Voltage,line already out.(4 days outage)
Bhusawal- Aurangabad	29/12/2014	19.06	30/12/2014	10.31	Over Voltage.
Lonikand- Koyna Stage IV	29/12/2014	20.12	30/12/2014	07.20	Over Voltage.
Bhusawal- Aurangabad	30/12/2014	17.04		Continued.	Over Voltage.
Karad-Jaigad I	30/12/2014	20.00		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	30/12/2014	20.49	31/12/2014	06.21	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Dec/2014

Position as on 6.30 Hrs of 31/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
765KV Koradi-III -- Tiroda - II	24/12/2014	15.38		Continued.	Distance Protection
New Koyna - Dabhol - I	28/12/2014	03.02		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Amalner-Deepnagar	29/12/2014	17.09	30/12/2014	00.57	Distance Protection Operated Z-I Y Ph.String Flashover.
Voltage Level : 132KV			Outage Type TRIPPED		
Asgaon-Bramhapuri	30/12/2014	18.03	30/12/2014	18.15	Distance Protection Operated Z-I Y Ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 31/Dec/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	155
Unit 7	210	150
	620	305
Bhusawal		
Unit 2	210	0
Unit 3	210	170
Unit 4	500	500
Unit 5	500	426
	1420	1096
Parli		
Unit 3	210	
Unit 4	210	0
Unit 5	210	152
Unit 6	250	200
Unit 7	250	0
	1130	352
Chandrapur		
Unit 1	210	0
Unit 2	210	145
Unit 3	210	150
Unit 4	210	165
Unit 5	500	370
Unit 6	500	360
Unit 7	500	0
	2340	1190
Paras		
Unit 3	250	200
Unit 4	250	250
	500	450
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	210
Unit 4	210	210
Unit 5	500	500
	1340	1280
Nasik		
Unit 3	210	200
Unit 4	210	190
Unit 5	210	190
	630	580
Uran		
All Units	852	465
	852	465
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	19
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	11
GHATGHAR	250	
	611	191
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	855
WARDHA	405	110
Adani	2640	2000
Other CPPs	300	745
	4545	3710
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
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	4935
	3455	4935

	21940	17341
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