



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Dec/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Dec/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.431	2285.576	1) Gujrat	-1.666	20.852
2) Hydro	8.450	189.842	2) Madhya Pradesh	6.032	224.662
3) Gas	7.588	161.448	3) Chattisgarh	5.660	113.010
Total MSGENCO	140.469	2636.866	4) Maharashtra Net	78.965	1695.484
B) 1) JSW JAIGAD	19.170	416.326	(Incl. 765kV Solapur-Raichur)	-7.821	-118.711
2) WPCL	2.736	50.804	5) Goa	-5.415	-116.285
3) ADANI	49.240	934.920	6) TAPS 1&2 Injection	3.823	82.899
4) Other CPP / IPP	17.878	430.691	7) RGPPL Injection	0.000	0.000
5) Wind Generation	10.080	139.828	8) Pench (Excess)	-0.275	-1.837
6) PENCH (MS)	0.275	1.837			
7) SOLAR	1.143	18.158	# Total Cent. Sector	87.124	2018.785
C) 1) TPCL Thermal	13.188	321.623	F) Other Exchanges		
2) TPCL Hydro	3.678	70.656	1) With TPCL (Excess)	-21.575	-434.409
TOTAL TPCL	16.866	392.279	G) Bilateral Power *		
3) REL Thermal	10.166	156.107	1) MSEDCL Bilateral	17.578	497.553
D) STATE			Include PX	-7.731	-13.614
1) Thermal (A1+C1+C3)	147.785	2763.306	2) MUMBAI Bilateral	16.685	385.500
2) Hydro (A2+B6+C2)	12.403	262.335	Include PX	0.212	45.670
3) Gas (A3)	7.588	161.448	3) MUMBAI Schedule	16.685	391.375
4) Wind (B5)	10.080	139.828	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	89.024	1832.741	1) MSEDCL	306.540	6213.806
6) SOLAR (B7)	1.143	18.158	2) TPCL	30.176	599.996
TOTAL STATE	268.023	5177.816	3) REL	18.426	382.068
			TOTAL STATE	355.142	7195.870

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5402	5710	5158
MSGENCO Hydro	988	117	138
MSGENCO Gas	308	297	336
MSGENCO Total Generation	6698	6124	5632
Central Sector Receipt	4672	4866	1622
WIND	348	136	711
CPP / IPP	4018	3983	3345
SOLAR	120	136	0
Exchange with Mumbai	-1014	-1180	-367
MSEDCL DEMAND MET	14865	14065	10943
Load Shedding	61	62	54
MSEDCL DEMAND	14926	14127	10997
TPCL GENERATION	814	806	512
R-INFRA GENERATION	518	405	386
TPCL+R-INFRA DEMAND	2346	2391	1265
STATE DEMAND MET	17211	16456	12208
STATE DEMAND	17272	16518	12262
Frequency (Hz)	49.71	49.81	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 05:02 Hrs	49.61 Hz at 14:43 Hrs	49.9	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 19/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	1.00	65.18	170	0	0
Unit 7	4.16	74.56	190	160	175
Total	5.15	139.74			175
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	2.44	52.48	165	0	150
Unit 4	9.54	169.06	510	350	425
Unit 5	9.12	163.22	500	350	360
Total	21.10	384.76			935
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.57	67.78	155	140	147
Unit 6	5.09	97.44	226	197	195
Unit 7	5.02	96.77	218	197	200
Total	13.68	261.99			542
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.32	62.53	141	135	140
Unit 3	0.00	0.00	0	0	0
Unit 4	4.22	80.59	195	166	170
Unit 5	9.22	167.87	450	344	365
Unit 6	8.80	162.91	410	349	360
Unit 7	9.16	167.16	449	353	365
Total	34.72	641.06			1400
Paras					
Unit 3	4.77	92.59	215	183	200
Unit 4	4.80	90.94	225	188	200
Total	9.57	183.53			400
Khaparkheda					
Unit 1	3.84	72.68	175	140	180
Unit 2	3.67	71.85	170	130	180
Unit 3	4.60	82.15	208	181	210
Unit 4	4.55	83.00	208	179	210
Unit 5	10.67	147.29	500	390	500
Total	27.34	456.95			1280
Nasik					
Unit 3	4.37	82.76	190	165	200
Unit 4	4.12	54.44	190	141	190
Unit 5	4.37	80.35	191	172	190
Total	12.86	217.55			580
Uran					
All Units	7.59	161.45	337	290	320
Total	7.59	161.45			320
PENCH (MS)					
Pench (MS)	0.28	1.84	54	0	0
Total	0.28	1.84			0
Koyna					
Stage 1-2	2.94	50.14	415	40	600
Stage 4	0.95	28.65	264	0	250
Stage 3	0.88	17.20	160	0	240
Kovna 12&4 Total	3.89	78.79			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.77	95.99			1090
Hydro					
KDPH	0.59	10.76	37	18	18
VTRNA	0.00	15.83	0	0	60
TILLARI	0.38	6.60	64	0	64
BHTGR/VEER	0.00	0.51	0	0	0
BHIRA T.R.	0.20	3.79	81	0	80
RNGR+BHTSA	0.38	5.36	16	16	15
BHANDARDRA	0.08	5.46	4	3	10
ELDARY	0.32	4.51	14	8	14
SMLHY PTN	0.70	19.39	38	26	10
GHATGHAR	1.04	21.63	250	0	0
Total	3.68	93.85			271
Wind					
MalharPeth	0.24	3.48			
Vankuswadi	0.54	7.33			
ATIT	0.05	0.75			
Kale	0.20	2.63			
Satara	5.26	63.30			
Shirala	0.28	4.05			
K Mahankal	0.01	7.28			
Supa	0.08	1.69			
Vita	0.94	15.09			
Dondaicha	1.20	16.48			
Sakri	0.18	1.95			
Nandurbar	0.46	5.70			
Khandke	0.31	6.37			
Khaparale	0.33	3.74			
Total	10.08	139.83			
CPP					
JSW JAIGAD	19.17	416.33	853	758	768
WARDHA	2.74	50.80	118	104	115
Adani	49.24	934.92	2340	1700	2363
Other CPPs	17.88	430.69			500
Total	89.02	1832.74			3746
SOLAR					
Total	1.14	18.16			
Total	1.14	18.16			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.19	185.45	481	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	5.00	96.28	252	199	250
TATA Hydro	3.68	70.66	418	0	447
Total	16.87	392.28			1197
REL					
1&2	10.17	156.11	524	383	500
Total	10.17	156.11			500
Cent Sect					
Share					4947
Total					4947
MS PG CL	Thermal	124.43	2285.58		5312
	Thml+Gas	132.02	2447.02		5632
	Hydro	8.45	189.84		1361
	Total	140.47	2636.87		6993
State Total		268.02	5177.82		17383

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	5161	143	335	5639	580	3325	0	2470	2130	-661	-587	11107	85	11192	1488	12680	49.99
2	5153	138	332	5623	603	3346	0	2218	2135	-612	-452	11255	54	11309	1371	12680	49.96
3	5153	138	333	5624	649	3321	0	1992	1892	-564	-399	11087	54	11141	1299	12440	50.02
4	5158	138	336	5632	711	3345	0	1993	1622	-553	-367	10943	54	10997	1265	12262	50.03
5	5146	148	337	5631	685	3325	0	2172	2056	-554	-385	11312	55	11367	1281	12648	50.01
6	4973	152	336	5461	660	3357	0	3047	3227	-606	-480	12225	63	12288	1408	13696	49.98
7	4983	220	333	5536	609	3345	0	3934	4166	-642	-576	13093	72	13165	1607	14772	49.86
8	5069	768	334	6171	546	3619	11	4386	4385	-624	-696	14089	72	14161	1766	15927	49.78
9	5321	949	319	6589	433	3934	60	4568	4441	-616	-806	14705	67	14772	2023	16795	49.80
10	5402	988	308	6698	348	4018	120	4660	4672	-651	-1014	14865	61	14926	2346	17272	49.71
11	5331	595	305	6231	446	4045	145	4905	4792	-754	-986	14696	58	14754	2509	17263	49.85
12	5419	406	303	6128	397	4029	158	4924	4910	-773	-1070	14552	60	14612	2548	17160	49.89
13	5676	137	298	6111	305	4064	172	4918	4761	-781	-1081	14332	120	14452	2538	16990	49.93
14	5688	122	297	6107	195	3990	170	4855	4551	-781	-1044	13969	66	14035	2390	16425	49.90
15	5710	117	297	6124	136	3983	136	4725	4866	-781	-1180	14065	62	14127	2391	16518	49.81
16	5345	183	290	5818	160	3995	109	4720	4656	-779	-1183	13575	60	13635	2407	16042	49.76
17	5156	332	302	5790	165	3980	54	4716	4594	-763	-1292	13302	71	13373	2413	15786	49.89
18	4967	117	306	5390	226	3814	8	4322	3996	-747	-1281	12180	84	12264	2421	14685	49.89
19	4933	366	310	5609	246	3676	0	4315	4712	-759	-1230	13040	74	13114	2550	15664	49.87
20	4889	367	312	5568	360	3724	0	4366	4521	-675	-1203	12974	67	13041	2484	15525	49.91
21	4906	630	313	5849	260	3704	0	3186	3557	-624	-1312	12058	64	12122	2321	14443	49.81
22	4930	701	314	5945	308	3701	0	2355	2566	-842	-1168	11352	62	11414	2119	13533	49.98
23	4952	382	319	5653	447	3703	0	1982	2092	-806	-982	10913	62	10975	1934	12909	49.96
24	5010	213	319	5542	605	3681	0	1873	1824	-736	-801	10851	62	10913	1728	12641	50.06
MUs	124.43	8.45	7.59	140.47	10.08	89.02	1.14	87.60	87.12	-16.68	-21.58	306.54	1.61	308.15	48.61	356.76	49.90

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 19/Dec/2014

Position as on 6.30 Hrs of 20/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	
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.	
Uran Unit 5	108	18/12/2014	00.25		Continued.	Gas Shortage.	
CPP IPL U-1	270	18/12/2014	22.26		Continued.	Turbine shaft vibration.	
Koradi Unit 6	210	19/12/2014	05.05	19/12/2014	22.23	Strn.Aux.T/F Trip.	
Bhusawal Unit 3	210	19/12/2014	15.39		Continued.	Boiler Tube Leakage	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 19/Dec/2014

Position as on 6.30 Hrs of 20/Dec/2014

Name of Generating Unit	Capacity	Tripped Date	Trippe d Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
CPP JSW (J) U2	300	19/12/2014	16.55		Continued.	No Schedule	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Dec/2014

Position as on 6.30 Hrs of 20/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	18/12/2014	16.19	19/12/2014	09.06	Over Voltage.
Dhule-Sar'Sarovar - I	18/12/2014	17.40		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	18/12/2014	22.17	19/12/2014	14.49	Over Voltage.
Kolhapur - Mapusa - I	19/12/2014	16.14		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	19/12/2014	22.04		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	13/12/2014	00.00		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	18/12/2014	21.02	19/12/2014	06.36	Over Voltage.
Dhule-Sar'Sarovar - II	19/12/2014	23.30		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT-II @ Nagothane.	12/11/2014	13.02		Continued.	Shifted to TBC for BKR overloading.
400/220 KV 500 MVA ICT - I @ Warora	23/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder of B Ph CTR System.
400/220KV 315MVA ICT-III @ Padgha	18/12/2014	22.45	19/12/2014	20.45	Repl.of T/F cooling control system
400/220KV 315MVA ICT-II @ Aurangabad.	19/12/2014	13.45	19/12/2014	21.39	Oil Leakage
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.
Khapakheda - Koulawada - II	19/12/2014	10.22	19/12/2014	17.48	Repl.of E/W
Padgha-Vasai	19/12/2014	14.13	19/12/2014	20.04	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	17/12/2014	19.48		Continued.	Over Voltage.
Karad-Jaigad II	17/12/2014	20.30	19/12/2014	08.51	Over Voltage.
Karad - Kolhapur - II	18/12/2014	16.28	19/12/2014	08.51	Over Voltage.
Lonikand- Koyna Stage IV	18/12/2014	20.43	19/12/2014	08.17	Over Voltage.
Karad - Kolhapur - I	19/12/2014	16.06		Continued.	Over Voltage
Karad-Jaigad I	19/12/2014	16.43		Continued.	Over Voltage
Lonikand- Koyna Stage IV	19/12/2014	20.36		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Parli-Usmanabad	15/12/2014	15.17		Continued.	To Free TBC for Parly GCR Bus-II Outage.
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Dabhol - I	13/12/2014	03.02		Continued.	Over Voltage
Karad - Kolhapur - II	20/12/2014	00.00		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
220/100 KV 200 MVA ICT	20/12/2014	01.46		Continued.	Diff.protection

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Dec/2014

Position as on 6.30 Hrs of 20/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
II at Trombay					
Urse - Talegaon - I	20/12/2014	05.45		Continued.	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Dec/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	170
Unit 7	210	170
	620	340
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	360
Unit 5	500	360
	1420	720
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	155
Unit 6	250	210
Unit 7	250	215
	1130	580
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	0
Unit 4	210	200
Unit 5	500	400
Unit 6	500	400
Unit 7	500	400
	2340	1540
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	162
Unit 2	210	162
Unit 3	210	189
Unit 4	210	189
Unit 5	500	475
	1340	1177
Nasik		
Unit 3	210	200
Unit 4	210	190
Unit 5	210	190
	630	580
Uran		
All Units	852	320
	852	320
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	36
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	0
BHIRA T.R.	80	64
RNGR+BHTSA	20	16
BHANDARDRA	45	4
ELDARY	23	14
SMLHY PTN	12	10
GHATGHAR	250	0
	611	208
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	740
WARDHA	405	113
Adani	2640	2463
Other CPPs	300	500
	4545	3816
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	4715
	3455	4715