



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Dec/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Dec/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.907	2665.565	1) Gujrat	-1.542	20.019
2) Hydro	4.490	211.895	2) Madhya Pradesh	9.956	251.677
3) Gas	11.425	190.186	3) Chattisgarh	5.630	129.480
Total MSGENCO	143.822	3067.646	4) Maharashtra Net	81.378	1929.205
B) 1) JSW JAIGAD	19.351	473.403	(Incl. 765kV Solapur-Raichur)	-5.650	-138.983
2) WPCL	2.771	58.787	5) Goa	-5.802	-133.938
3) ADANI	49.750	1091.470	6) TAPS 1&2 Injection	3.629	93.975
4) Other CPP / IPP	23.136	493.259	7) RGPPL Injection	0.000	0.000
5) Wind Generation	7.647	159.930	8) Pench (Excess)	-0.283	-2.202
6) PENCH (MS)	0.283	2.202	# Total Cent. Sector	92.966	2288.216
7) SOLAR	0.980	21.169	F) Other Exchanges		
C) 1) TPCL Thermal	14.605	364.597	1) With TPCL (Excess)	-19.123	-488.926
2) TPCL Hydro	3.972	78.094	G) Bilateral Power *		
TOTAL TPCL	18.577	442.691	1) MSEDCL Bilateral	25.449	561.248
3) REL Thermal	10.759	187.745	Include PX	-4.247	-34.089
D) STATE			2) MUMBAI Bilateral	15.188	427.858
1) Thermal (A1+C1+C3)	153.271	3217.907	Include PX	-0.200	42.443
2) Hydro (A2+B6+C2)	8.745	292.191	3) MUMBAI Schedule	15.188	433.733
3) Gas (A3)	11.425	190.186	H) ENERGY CATERED (MUs)		
4) Wind (B5)	7.647	159.930	1) MSEDCL	321.583	7167.156
5) CPP/IPP (B1+B2+B3+B4)	95.008	2116.919	2) TPCL	29.951	684.059
6) SOLAR (B7)	0.980	21.169	3) REL	18.509	434.570
TOTAL STATE	277.076	5998.302	TOTAL STATE	370.043	8285.785

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5675	5809	5034
MSGENCO Hydro	372	146	132
MSGENCO Gas	455	442	495
MSGENCO Total Generation	6502	6397	5661
Central Sector Receipt	5286	5097	1702
WIND	66	47	465
CPP / IPP	4493	4368	3563
SOLAR	120	110	0
Exchange with Mumbai	-954	-747	-404
MSEDCL DEMAND MET	15551	15272	10987
Load Shedding	63	66	57
MSEDCL DEMAND	15614	15338	11044
TPCL GENERATION	1076	1150	514
R-INFRA GENERATION	524	523	389
TPCL+R-INFRA DEMAND	2554	2420	1307
STATE DEMAND MET	18105	17692	12294
STATE DEMAND	18168	17758	12351
Frequency (Hz)	49.88	49.87	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 00.01 Hrs	49.64 Hz at 10.17 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 22/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	4.13	77.17	180	158	163
Unit 7	4.15	87.02	180	165	158
Total	8.27	164.19			321
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	52.48	0	0	0
Unit 4	9.82	198.21	515	345	360
Unit 5	9.55	191.12	520	350	358
Total	19.37	441.81			718
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.60	78.59	152	146	157
Unit 6	5.22	113.43	250	170	207
Unit 7	5.42	112.76	250	207	208
Total	14.24	304.79			572
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.28	72.31	143	131	140
Unit 3	0.00	0.00	0	0	0
Unit 4	4.06	92.74	195	135	200
Unit 5	9.35	194.84	450	350	400
Unit 6	9.03	189.06	410	345	400
Unit 7	9.28	195.00	438	341	400
Total	34.99	743.95			1540
Paras					
Unit 3	4.93	107.42	245	190	200
Unit 4	4.80	105.28	220	188	200
Total	9.73	212.70			400
Khaparkheda					
Unit 1	3.84	84.20	185	135	162
Unit 2	3.93	83.28	180	150	162
Unit 3	4.65	95.90	213	162	189
Unit 4	4.70	96.82	210	160	189
Unit 5	10.70	179.63	500	393	476
Total	27.83	539.84			1178
Nasik					
Unit 3	4.58	96.68	195	180	190
Unit 4	4.42	67.74	198	175	190
Unit 5	4.46	93.86	190	177	190
Total	13.47	258.29			570
Uran					
All Units	11.42	190.19	500	442	490
Total	11.42	190.19			490
PENCH (MS)					
Pench (MS)	0.28	2.20	42	0	0
Total	0.28	2.20			0
Koyna					
Stage 1-2	1.20	57.30	115	35	600
Stage 4	0.00	31.32	0	0	250
Stage 3	0.00	18.99	0	0	240
Kovna 12&4 Total	1.20	88.62			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.20	107.61			1090
Hydro					
KDPH	0.44	12.10	19	18	19
VTRNA	0.00	15.83	0	0	0
TILLARI	0.37	7.72	62	0	63
BHTGR/VEER	0.00	0.51	0	0	0
BHIRA T.R.	0.15	4.26	80	0	80
RNGR+BHTSA	0.35	6.46	15	14	16
BHANDARDRA	0.00	5.54	0	0	0
ELDARY	0.32	5.47	14	12	14
SMLHY PTN	0.77	21.96	32	31	0
GHATGHAR	0.90	24.45	250	0	0
Total	3.30	104.29			192
Wind					
MalharPeth	0.16	3.85			
Vankuswadi	0.42	8.19			
ATIT	0.03	0.83			
Kale	0.11	2.93			
Satara	4.22	74.29			
Shirala	0.18	4.57			
K Mahankal	0.02	7.32			
Supa	0.04	1.91			
Vita	0.76	17.09			
Dondaicha	0.83	18.96			
Sakri	0.09	2.20			
Nandurbar	0.45	6.73			
Khandke	0.10	6.70			
Khaparale	0.22	4.34			
Total	7.65	159.93			
CPP					
JSW JAIGAD	19.35	473.40	925	707	845
WARDHA	2.77	58.79	121	111	115
Adani	49.75	1091.47	2340	1640	2363
Other CPPs	23.14	493.26			755
Total	95.01	2116.92			4078
SOLAR					
Total	0.98	21.17			
Total	0.98	21.17			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.24	212.63	490	314	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	5.36	112.07	252	199	250
TATA Hydro	3.97	78.09	411	0	447
Total	18.58	442.69			1197
REL					
1&2	10.76	187.74	524	385	500
Total	10.76	187.74			500
Cent Sect					
Share					5491
Total					5491
MS PG CL	Thermal	127.91	2665.56		5299
	Thml+Gas	139.33	2855.75		5789
	Hydro	4.49	211.90		1282
	Total	143.82	3067.65		7071
State Total		277.08	5998.30		18337

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/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	5057	152	495	5704	309	3651	0	2149	2216	-590	-595	11285	89	11374	1498	12872	50.21
2	5062	117	495	5674	381	3628	0	2229	1892	-472	-469	11106	57	11163	1374	12537	50.07
3	5034	132	495	5661	465	3563	0	1918	1702	-419	-404	10987	57	11044	1307	12351	50.01
4	5070	118	495	5683	555	3556	0	1906	1956	-407	-372	11378	57	11435	1276	12711	50.01
5	5076	118	499	5693	632	3580	0	2206	2047	-401	-390	11562	57	11619	1294	12913	50.00
6	5075	123	498	5696	577	3434	0	2746	2914	-483	-497	12124	66	12190	1404	13594	49.99
7	5064	122	499	5685	459	4055	0	4090	4187	-619	-662	13745	84	13829	1583	15412	49.93
8	5238	192	500	5930	355	4076	11	4651	4779	-546	-616	14572	84	14656	1760	16416	49.91
9	5341	147	486	5974	218	4346	56	4937	4921	-579	-565	14988	80	15068	2052	17120	49.88
10	5529	175	472	6176	115	4396	100	5163	5276	-620	-671	15432	67	15499	2329	17828	49.74
11	5531	363	464	6358	71	4500	134	5453	5313	-719	-895	15521	62	15583	2513	18096	49.85
12	5675	372	455	6502	66	4493	120	5465	5286	-741	-954	15551	63	15614	2554	18168	49.88
13	5858	157	450	6465	62	4458	154	5150	5013	-728	-911	15283	127	15410	2507	17917	49.93
14	5888	135	444	6467	40	4368	153	4859	4944	-727	-779	15200	70	15270	2405	17675	49.94
15	5809	146	442	6397	47	4368	110	4859	5097	-721	-747	15272	66	15338	2420	17758	49.87
16	5513	340	444	6297	50	4336	91	4869	5011	-712	-749	15036	62	15098	2422	17520	49.84
17	5435	370	455	6260	99	4220	45	4589	4687	-697	-838	14473	62	14535	2415	16950	49.83
18	5404	172	460	6036	211	4257	6	4413	4288	-681	-1197	13619	66	13685	2396	16081	49.96
19	5494	221	468	6183	361	3877	0	4914	4512	-727	-1216	13719	68	13787	2495	16282	49.92
20	5317	265	476	6058	425	3798	0	4817	4519	-660	-1309	13491	68	13559	2426	15985	49.88
21	5134	186	476	5796	544	3594	0	4372	4317	-605	-1314	12937	66	13003	2291	15294	49.99
22	5135	119	480	5734	519	3501	0	3274	3182	-746	-1157	11779	65	11844	2080	13924	50.00
23	5113	124	488	5725	541	3519	0	2552	2394	-815	-1010	11169	65	11234	1921	13155	49.94
24	5056	124	489	5669	545	3434	0	2450	2513	-772	-806	11355	65	11420	1737	13157	50.06
MUs	127.91	4.49	11.42	143.82	7.65	95.01	0.98	94.03	92.97	-15.19	-19.12	321.58	1.67	323.26	48.46	371.72	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 22/Dec/2014

Position as on 6.30 Hrs of 23/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.	
CPP IPL U-1	270	18/12/2014	22.26	22/12/2014	04.59	Turbine shaft vibration.	
Bhusawal Unit 3	210	19/12/2014	15.39		Continued.	Boiler Tube Leakage	
CPP JSW (J) U2	300	19/12/2014	16.55		Continued.	No Schedule	
CPP Adani U-5	660	22/12/2014	18.11		Continued.	Superheater Spray Line Drain Valve Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Dec/2014

Position as on 6.30 Hrs of 23/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	21/12/2014	17.03	22/12/2014	07.12	Over Voltage.
Dhule-Sar'Sarovar - II	21/12/2014	18.05	22/12/2014	06.50	Over Voltage.
Kolhapur - Mapusa - I	22/12/2014	16.53		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	22/12/2014	20.41		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	13/12/2014	00.00		Continued.	Over Voltage
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.
400/220KV 500 MVA ICT I at Kalwa	22/12/2014	08.14	22/12/2014	18.30	Work on NDR.
400/220KV,315 MVA ICT-I at Kolhapur.	22/12/2014	09.46	22/12/2014	16.06	OLTC Oil Filtration Work.
Warora - Wardha (PG) - II	22/12/2014	15.50	22/12/2014	19.04	For SF-6 Gas Filling in Main Circuit Breaker.
400/220 KV 315MVA ICT-II @ Kolhapur	22/12/2014	16.25	22/12/2014	19.30	OLTC Oil Filtration Work.
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.
Karad-Vita-II	22/12/2014	09.20	22/12/2014	17.38	Insulator Replacement.
Nivali-Pawas	22/12/2014	09.40	22/12/2014	17.57	Bus Outage @ Niwali.
Nivali-N'koyna	22/12/2014	09.50	22/12/2014	18.31	Bus Outage @ Niwali.
Main Bus @ Niwaliphata	22/12/2014	10.00	22/12/2014	17.58	Maintenance Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Karad -I	21/12/2014	16.09	22/12/2014	08.20	Over Voltage.
Karad-Jaigad II	21/12/2014	16.36	22/12/2014	09.55	Over Voltage.
Bhusawal- Aurangabad	21/12/2014	18.05	22/12/2014	12.42	Over Voltage.
Lonikand- Koyna Stage IV	21/12/2014	20.25	22/12/2014	07.10	Over Voltage.
Karad - Kolhapur - I	22/12/2014	16.40		Continued.	Over Voltage.
Karad-Jaigad I	22/12/2014	17.42		Continued.	Over Voltage.
Bhusawal- Aurangabad	22/12/2014	19.59		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	22/12/2014	21.00		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Dabhol - I	13/12/2014	03.02		Continued.	Over Voltage
765KV Koradi-III -- Tiroda - II	21/12/2014	01.39		Continued.	LBB Operated at Koradi-III
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Dec/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	170
Unit 7	210	175
	620	345
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	425
Unit 5	500	400
	1420	825
Parli		
Unit 3	210	
Unit 4	210	
Unit 5	210	150
Unit 6	250	212
Unit 7	250	213
	1130	575
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	180
Unit 2	210	180
Unit 3	210	210
Unit 4	210	210
Unit 5	500	500
	1340	1280
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	520
	852	520
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	19
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	13
GHATGHAR	250	
	611	190
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	1851
Other CPPs	300	745
	4545	3561
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	5447
	3455	5447

	21940	17970
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