



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Dec/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Dec/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.819	3036.122	1) Gujrat	5.163	32.191
2) Hydro	12.296	248.626	2) Madhya Pradesh	11.084	283.039
3) Gas	8.989	217.568	3) Chattisgarh	6.440	147.330
Total MSGENCO	138.104	3502.316	4) Maharashtra Net	82.261	2179.654
B) 1) JSW JAIGAD	19.517	533.135	(Incl. 765kV Solapur-Raichur)	-11.098	-171.153
2) WPCL	2.208	66.459	5) Goa	-5.412	-151.599
3) ADANI	44.970	1221.460	6) TAPS 1&2 Injection	3.623	104.874
4) Other CPP / IPP	23.917	566.237	7) RGPPL Injection	0.000	0.000
5) Wind Generation	3.716	171.914	8) Pench (Excess)	-0.548	-3.043
6) PENCH (MS)	0.548	3.043			
7) SOLAR	0.886	24.098	# Total Cent. Sector	102.611	2592.446
C) 1) TPCL Thermal	14.489	410.254	F) Other Exchanges		
2) TPCL Hydro	3.750	90.890	1) With TPCL (Excess)	-16.958	-546.408
TOTAL TPCL	18.239	501.144	G) Bilateral Power *		
3) REL Thermal	9.132	213.188	1) MSEDCL Bilateral	25.991	628.969
D) STATE			Include PX	-3.650	-48.302
1) Thermal (A1+C1+C3)	140.440	3659.564	2) MUMBAI Bilateral	16.913	479.374
2) Hydro (A2+B6+C2)	16.594	342.559	Include PX	0.681	42.933
3) Gas (A3)	8.989	217.568	3) MUMBAI Schedule	16.913	486.775
4) Wind (B5)	3.716	171.914	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	90.612	2387.291	1) MSEDCL	319.519	8134.700
6) SOLAR (B7)	0.886	24.098	2) TPCL	26.912	771.091
TOTAL STATE	261.237	6802.994	3) REL	17.418	488.914
			TOTAL STATE	363.849	9394.705

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	5057	5172	4773
MSGENCO Hydro	1432	503	140
MSGENCO Gas	320	440	325
MSGENCO Total Generation	6809	6115	5238
Central Sector Receipt	5460	5567	2851
WIND	85	28	231
CPP / IPP	3892	3815	3551
SOLAR	122	128	0
Exchange with Mumbai	-665	-618	-636
MSEDCL DEMAND MET	15752	15085	11282
Load Shedding	78	101	54
MSEDCL DEMAND	15830	15186	11336
TPCL GENERATION	1044	922	522
R-INFRA GENERATION	521	523	194
TPCL+R-INFRA DEMAND	2230	2063	1352
STATE DEMAND MET	17982	17148	12634
STATE DEMAND	18060	17249	12688
Frequency (Hz)	49.81	49.95	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.25 Hz at 06.03 Hrs	49.59 Hz at 09.23 Hrs	49.91	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 25/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	0.84	85.80	165	0	0
Unit 7	4.14	99.32	185	164	170
Total	4.98	185.11			170
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	52.48	0	0	0
Unit 4	10.36	229.26	510	360	423
Unit 5	9.83	220.08	500	365	376
Total	20.19	501.81			799
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.59	89.38	152	140	155
Unit 6	5.24	129.77	250	185	185
Unit 7	4.81	127.61	216	189	195
Total	13.64	346.76			535
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.42	82.45	147	129	140
Unit 3	0.00	0.00	0	0	0
Unit 4	4.30	105.82	198	161	200
Unit 5	9.47	223.16	460	350	400
Unit 6	9.01	215.79	405	350	400
Unit 7	8.62	221.96	404	337	400
Total	34.82	849.19			1540
Paras					
Unit 3	4.69	121.88	217	184	220
Unit 4	0.00	110.34	0	0	0
Total	4.69	232.21			220
Khaparkheda					
Unit 1	4.19	96.31	195	155	162
Unit 2	3.84	95.06	175	135	189
Unit 3	4.90	110.38	216	185	189
Unit 4	4.79	111.40	212	183	189
Unit 5	11.25	213.06	500	394	476
Total	28.97	626.20			1205
Nasik					
Unit 3	4.58	110.52	200	180	200
Unit 4	0.50	77.13	187	0	0
Unit 5	4.44	107.20	193	178	190
Total	9.53	294.85			390
Uran					
All Units	8.99	217.57	457	314	335
Total	8.99	217.57			335
PENCH (MS)					
Pench (MS)	0.55	3.04	50	0	
Total	0.55	3.04			
Koyna					
Stage 1-2	3.79	66.58	475	40	530
Stage 4	4.19	43.11	821	0	250
Stage 3	1.07	23.48	160	0	240
Kovna 12&4 Total	7.98	109.69			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	9.06	133.18			1020
Hydro					
KDPH	0.15	13.13	19	0	19
VTRNA	0.00	15.83	0	0	0
TILLARI	0.37	8.71	64	0	62
BHTGR/VEER	0.02	0.53	1	0	0
BHIRA T.R.	0.18	4.98	80	0	80
RNGR+BHTSA	0.37	7.55	16	15	10
BHANDARDRA	0.00	5.54	0	0	0
ELDARY	0.32	6.43	14	13	
SMLHY PTN	0.97	24.99	41	40	19
GHATGHAR	0.86	27.76	120	0	
Total	3.24	115.45			190
Wind					
MalharPeth	0.07	4.16			
Vankuswadi	0.13	8.82			
ATIT	0.01	0.88			
Kale	0.05	3.12			
Satara	1.74	80.26			
Shirala	0.08	4.87			
K Mahankal	0.01	7.35			
Supa	0.06	2.05			
Vita	0.44	18.63			
Dondaicha	0.65	20.49			
Sakri	0.08	2.33			
Nandurbar	0.19	7.35			
Khandke	0.13	7.07			
Khaparale	0.09	4.54			
Total	3.72	171.91			
CPP					
JSW JAIGAD	19.52	533.14	946	754	804
WARDHA	2.21	66.46	113	75	115
Adani	44.97	1221.46	2270	1740	1851
Other CPPs	23.92	566.24			745
Total	90.61	2387.29			3515
SOLAR					
Total	0.89	24.10			
Total	0.89	24.10			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.06	241.64	472	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	5.43	128.72	253	200	250
TATA Hydro	3.75	90.89	370	0	447
Total	18.24	501.14			1197
REL					
1&2	9.13	213.19	525	194	250
Total	9.13	213.19			250
Cent Sect					
Share					5108
Total					5108
MS PG CL	Thermal	116.82	3036.12		4859
	Thml+Gas	125.81	3253.69		5194
	Hydro	12.30	248.63		1210
	Total	138.10	3502.32		6404
State Total		261.24	6802.99		16474

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/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	4810	185	325	5320	223	3593	0	3033	2973	-693	-806	11336	84	11420	1562	12982	49.89
2	4807	160	324	5291	225	3579	0	3222	2869	-659	-701	11313	54	11367	1416	12783	49.94
3	4773	140	325	5238	231	3551	0	3224	2851	-638	-636	11282	54	11336	1352	12688	49.98
4	4649	140	327	5116	200	3531	0	3265	3300	-625	-594	11600	54	11654	1311	12965	49.94
5	4646	129	326	5101	196	3603	0	3557	3621	-626	-587	11948	55	12003	1312	13315	49.94
6	4558	134	327	5019	214	3595	0	4361	4233	-654	-695	12366	68	12434	1404	13838	50.00
7	4887	139	324	5350	190	3652	0	4584	4299	-610	-669	12822	79	12901	1481	14382	49.91
8	4947	972	323	6242	143	3694	11	4737	4690	-595	-546	14244	79	14323	1587	15910	49.78
9	4901	1201	321	6423	114	3838	47	5015	5414	-622	-602	15284	74	15358	1754	17112	49.80
10	4919	1492	317	6728	114	3960	84	5049	4912	-726	-663	15185	64	15249	2034	17283	49.78
11	4916	1660	314	6890	105	3979	117	5123	5304	-849	-691	15753	60	15813	2171	17984	49.77
12	5057	1432	320	6809	85	3892	122	5163	5460	-858	-665	15752	78	15830	2230	18060	49.81
13	5153	1159	338	6650	49	3798	132	5109	5234	-862	-733	15179	155	15334	2225	17559	49.95
14	5172	503	440	6115	28	3815	128	5508	5567	-861	-618	15085	101	15186	2063	17249	49.95
15	5159	323	390	5872	23	3766	125	5624	5875	-826	-567	15134	87	15221	2020	17241	49.94
16	5013	344	438	5795	28	3782	71	5556	5395	-785	-451	14620	58	14678	2032	16710	49.87
17	4922	270	444	5636	47	3783	41	5183	5314	-704	-546	14277	61	14338	2053	16391	49.89
18	4921	109	454	5484	113	3642	8	4466	4710	-646	-780	13185	63	13248	2098	15346	49.90
19	4900	285	457	5642	240	3726	0	4641	4606	-684	-876	13338	61	13399	2219	15618	49.93
20	4908	239	425	5572	272	3708	0	4555	4269	-590	-857	12964	66	13030	2223	15253	49.92
21	4913	255	430	5598	246	3825	0	3846	3873	-547	-914	12628	66	12694	2176	14870	49.94
22	4799	128	430	5357	223	4118	0	3229	3039	-732	-1042	11695	65	11760	2037	13797	49.99
23	4525	678	435	5638	226	4063	0	2432	2450	-788	-927	11450	65	11515	1864	13379	49.95
24	4567	219	435	5221	182	4119	0	2780	2355	-733	-792	11085	65	11150	1705	12855	50.07
MUs	116.82	12.30	8.99	138.11	3.72	90.61	0.89	103.26	102.61	-16.91	-16.96	319.52	1.72	321.24	44.33	365.57	49.91

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 25/Dec/2014

Position as on 6.30 Hrs of 26/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	
CPP WPCL U-4	135	01/11/2014	00.19	25/12/2014	07.52	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.	
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	25/12/2014	19.08	Superheater Spray Line Drain Valve Leakage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 25/Dec/2014

Position as on 6.30 Hrs of 26/Dec/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Uran Unit 5	108	23/12/2014	19.17	25/12/2014	11.30	Gas Shortage.	
REL 2	250	23/12/2014	21.20	25/12/2014	08.26	BTL.	
Paras Unit 4	250	24/12/2014	01.27	26/12/2014	02.52	Y Ph PT Burst At Paras.	
Nasik Unit 4	210	25/12/2014	03.12		Continued.	ID Fan Problem	
Koradi Unit 6	210	25/12/2014	05.25		Continued.	Boiler Tube Leakage	
CPP WPCL U-3	135	25/12/2014	14.02		Continued.	ID Fan Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Dec/2014

Position as on 6.30 Hrs of 26/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha -Tarapur - I	23/12/2014	11.19		Continued.	Shifted from A Bus To B Bus.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	21/11/2014	14.51		Continued.	Mumbai Strengthening work.
Lonikand-2 - Bhosari	25/12/2014	10.02	25/12/2014	12.59	Attend hot spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	24/12/2014	20.41	25/12/2014	08.30	Over Voltage
Dhule-Sar'Sarovar - I	24/12/2014	21.46	25/12/2014	07.11	Over Voltage
Kolhapur-Solapur (PG) II	25/12/2014	16.45	26/12/2014	06.55	Over Voltage.
Kolhapur - Mapusa - I	25/12/2014	17.30		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	25/12/2014	21.32		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.
Padgha - Nagothane- II	23/12/2014	11.42		Continued.	Shifted from A Bus To B Bus.
Karad - Newkoyna - I	24/12/2014	12.04	25/12/2014	10.02	Hot Spot(RFC 17.19Hrs)
Bus - I @ Padgha	24/12/2014	13.30		Continued.	Conductor replacement
Akola - II - Thaptitanda	25/12/2014	08.11	25/12/2014	22.28	Stringing of 765KV Wardha-A'bad line (PGCIL Outage.)
Jejuri - CB 403 of Lonikand	25/12/2014	09.55		Continued.	Maint.Work.
Main Bus - I at Koradi-II	25/12/2014	11.43	25/12/2014	18.26	Fixing of earth jaws of isolators for Dia III.
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.
Babaleshwar - Ranjangaon	25/12/2014	07.47	25/12/2014	18.50	Repl.of flashover insulator.
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
HVDC POLE - I	26/12/2014	02.35		Continued.	Emergency Outage.
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	24/12/2014	17.13	25/12/2014	10.44	Over Voltage
Lonikand- Koyna Stage IV	24/12/2014	22.02	25/12/2014	07.20	Over Voltage
Bhusawal- Aurangabad	25/12/2014	17.38		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	25/12/2014	21.02	26/12/2014	06.53	Over Voltage.
Karad-Jaigad I	25/12/2014	22.18		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/100 KV 100 MVA ICT - I @ Vasai	24/12/2014	23.40		Continued.	Due To Insufficient Protection differential relay Faulty.
220/100KV 100MVA ICT-I at Vasai	24/12/2014	23.40		Continued.	Differential Relay Faulty

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Dec/2014

Position as on 6.30 Hrs of 26/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Dabhol - I	13/12/2014	03.02		Continued.	Over Voltage
765KV Koradi-III -- Tiroda - II	24/12/2014	15.38		Continued.	Distance Protection
Aurangabad - Taptithanda	25/12/2014	22.28	25/12/2014	22.56	Over Voltage.
Deepnagar-Tapitatanda	25/12/2014	22.28	26/12/2014	06.26	Over Voltage.
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 26/Dec/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	170
	620	170
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	450
Unit 5	500	400
	1420	850
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	145
Unit 6	250	200
Unit 7	250	204
	1130	549
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	350
	2340	1490
Paras		
Unit 3	250	220
Unit 4	250	220
	500	440
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	0
Unit 5	210	190
	630	390
Uran		
All Units	852	430
	852	430
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	62
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	185
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	841
WARDHA	405	115
Adani	2640	2373
Other CPPs	300	745
	4545	4074
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	5220
	3455	5220

	21940	17795
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