



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Dec/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Dec/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.636	1595.718	1) Gujrat	9.204	192.516
2) Hydro	16.472	252.163	2) Madhya Pradesh	17.817	284.615
3) Gas	6.349	105.018	3) Chattisgarh	10.000	153.720
Total MSGENCO	133.457	1952.899	4) Maharashtra	72.961	1163.000
B) 1) JSW JAIGAD	18.716	289.571	5) Goa	-4.880	-81.608
2) WPCL	7.656	114.189	6) TAPS 1&2 Injection	3.832	57.845
3) ADANI	29.280	420.760	7) RGPPL Injection	6.548	58.455
4) Other CPP / IPP	7.446	116.169	8) Pench (Excess)	-0.210	-6.119
5) Wind Generation	1.454	69.490	# Total Cent. Sector	115.272	1822.424
6) PENCH (MS)	0.210	6.119	F) Other Exchanges		
7) SOLAR	0.942	12.476	1) With TPCL (Excess)	-9.734	-250.700
C) 1) TPCL Thermal	18.434	283.198	G) Bilateral Power *		
2) TPCL Hydro	0.394	65.539	1) MSEDCL Bilateral	27.699	445.055
TOTAL TPCL	18.828	348.737	Include PX	0.000	9.192
3) REL Thermal	12.319	170.279	2) MUMBAI Bilateral	10.650	248.778
D) STATE			Include PX	-1.464	40.918
1) Thermal (A1+C1+C3)	141.389	2049.195	3) MUMBAI Schedule	10.650	251.576
2) Hydro (A2+B6+C2)	17.076	323.821	H) ENERGY CATERED (MUs)		
3) Gas (A3)	6.349	105.018	1) MSEDCL	304.699	4553.397
4) Wind (B5)	1.454	69.490	2) TPCL	26.342	498.612
5) CPP/IPP (B1+B2+B3+B4)	63.098	549.209	3) REL	14.536	271.064
6) SOLAR (B7)	0.942	12.476	TOTAL STATE	345.577	5323.073
TOTAL STATE	230.308	3109.209			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4780	4423	4366
MSGENCO Hydro	1799	1432	162
MSGENCO Gas	305	275	213
MSGENCO Total Generation	6884	6130	4741
Central Sector Receipt	5464	4787	4257
WIND	24	34	135
CPP / IPP	2654	2610	2640
SOLAR	119	33	0
Exchange with Mumbai	-501	-370	-344
MSEDCL DEMAND MET	14644	13251	11429
Load Shedding	746	557	75
MSEDCL DEMAND	15390	13808	11504
TPCL GENERATION	842	843	626
R-INFRA GENERATION	525	526	458
TPCL+R-INFRA DEMAND	1868	1739	1428
STATE DEMAND MET	16512	14990	12857
STATE DEMAND	17258	15547	12932
Frequency (Hz)	50.04	49.95	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.48 Hz at 23.56 Hrs	49.67 Hz at 15.42 Hrs	50.04	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 15/Dec/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.16	36.46	154	100	120
Unit 6	0.00	40.93	0	0	0
Unit 7	4.15	55.90	212	135	150
Total	7.32	133.30			270
Bhusawal					
Unit 2	3.26	53.36	140	125	135
Unit 3	3.26	46.26	145	130	140
Unit 4	6.55	32.00	320	220	250
Unit 5	6.07	44.46	275	245	0
Total	19.14	176.09			525
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.91	58.72	175	143	146
Unit 5	3.94	44.26	175	152	160
Unit 6	4.10	66.20	187	161	170
Unit 7	3.92	63.86	187	155	160
Total	15.86	233.05			636
Chandrapur					
Unit 1	3.24	46.90	139	124	145
Unit 2	2.22	45.19	98	71	100
Unit 3	0.00	50.89	0	0	0
Unit 4	4.56	53.75	200	166	195
Unit 5	0.00	0.00	0	0	0
Unit 6	9.41	116.36	420	360	390
Unit 7	9.59	136.68	430	345	370
Total	29.01	449.77			1200
Paras					
Unit 3	4.74	73.55	217	170	220
Unit 4	4.73	77.33	214	177	210
Total	9.47	150.88			430
Khaparkheda					
Unit 1	2.68	24.91	150	75	100
Unit 2	0.00	39.62	0	0	0
Unit 3	3.25	33.25	154	118	130
Unit 4	3.70	59.33	172	144	130
Unit 5	7.56	125.39	440	0	400
Total	17.18	282.50			760
Nasik					
Unit 3	4.21	52.52	190	160	190
Unit 4	4.23	63.84	186	168	190
Unit 5	4.22	53.77	187	168	190
Total	12.66	170.13			570
Uran					
All Units	6.35	105.02	321	211	210
Total	6.35	105.02			210
PENCH (MS)					
Pench (MS)	0.21	6.12	40	0	
Total	0.21	6.12			
Koyna					
Stage 1-2	3.93	62.22	570	40	600
Stage 4	5.76	94.05	1006	0	250
Stage 3	2.02	33.19	240	0	240
Kovna 12&4 Total	9.68	156.28			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.71	189.47			1090
Hydro					
KDPH	0.46	7.15	20	19	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.05	1.15	3	2	5
BHIRA T.R.	0.15	4.08	41	0	40
RNGR+BHTSA	0.38	5.70	16	15	15
BHANDARDRA	0.74	1.88	31	31	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.21	15.42	58	47	10
GHATGHAR	1.77	27.31	240	0	0
Total	4.76	62.70			88
Wind					
MalharPeth	0.12	4.32			
Vankuswadi	0.28	8.85			
ATIT	0.02	2.58			
Kale	0.05	3.30			
Satara	0.69	26.35			
Shirala	0.06	3.34			
K Mahankal	0.00	0.93			
Supa	0.02	0.96			
Vita	0.20	7.57			
Dondaicha	0.00	6.26			
Sakri	0.00	0.73			
Nandurbar	0.00	0.46			
Khandke	0.00	1.92			
Khaparale	0.00	1.92			
Total	1.45	69.49			
CPP					
JSW JAIGAD	18.72	289.57	791	763	730
WARDHA	7.66	114.19	333	310	330
Adani	29.28	420.76	1230	1200	1234
Other CPPs	7.45	116.17			
Total	63.10	940.69			2294
SOLAR					
Total	0.94	12.48			
Total	0.94	12.48			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.45	159.90	503	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.22	21.11	51	50	120
Trombay 7B	0.99	16.95	43	40	60
Trombay 8	5.78	85.24	252	186	250
TATA Hydro	0.39	65.54	92	0	447
Total	18.83	348.74			1377
REL					
1&2	12.32	170.28	528	393	500
Total	12.32	170.28			500
Cent Sect					
Share					5051
Total					5051
MS PG CL	Thermal	110.64	1595.72		4391
	Thml+Gas	116.98	1700.74		4601
	Hydro	16.47	252.16		1178
	Total	133.46	1952.90		5779
State Total		230.31	3109.21		15001

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/Dec/2013

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	4451	157	213	4821	172	2632	0	4445	4414	-563	-568	11471	100	11571	1555	13126	50.02
2	4366	162	213	4741	135	2640	0	4202	4257	-456	-344	11429	75	11504	1428	12932	50.02
3	4395	156	211	4762	118	2631	0	3958	4266	-413	-206	11571	75	11646	1365	13011	50.04
4	4429	201	214	4844	96	2645	0	3919	4123	-374	-169	11539	75	11614	1324	12938	50.03
5	4421	167	211	4799	67	2634	0	4453	4332	-362	-157	11675	82	11757	1323	13080	50.00
6	4486	171	279	4936	33	2587	0	4739	4988	-375	-221	12323	193	12516	1389	13905	49.98
7	4629	176	321	5126	31	2619	2	4799	4832	-340	-221	12389	622	13011	1461	14472	50.09
8	4682	452	316	5450	17	2608	20	4709	5225	-293	-157	13165	828	13993	1500	15493	49.94
9	4710	1053	320	6083	15	2624	61	4680	5129	-280	-249	13703	933	14636	1615	16251	49.90
10	4751	1801	314	6866	17	2649	100	4913	5155	-357	-389	14431	771	15202	1757	16959	49.97
11	4780	1799	305	6884	24	2654	119	5049	5464	-417	-501	14644	746	15390	1868	17258	50.04
12	4788	1974	298	7060	18	2646	124	5027	5148	-449	-483	14513	823	15336	1921	17257	49.99
13	4853	1752	270	6875	17	2646	151	5082	5084	-433	-545	14235	1011	15246	1917	17163	50.01
14	4889	1125	276	6290	19	2638	124	5059	5522	-408	-475	14144	883	15027	1848	16875	50.08
15	4793	1071	276	6140	21	2645	116	4951	5349	-374	-406	13891	699	14590	1789	16379	50.10
16	4705	1404	273	6382	22	2637	89	4808	5149	-355	-354	13952	587	14539	1750	16289	49.97
17	4423	1432	275	6130	34	2610	33	4919	4787	-448	-370	13251	557	13808	1739	15547	49.95
18	4397	360	258	5015	49	2628	3	4855	4678	-388	-438	11947	620	12567	1806	14373	50.11
19	4392	194	256	4842	71	2622	0	5047	5425	-518	-567	12403	370	12773	2008	14781	50.02
20	4553	204	250	5007	93	2619	0	5016	5031	-528	-574	12176	379	12555	2027	14582	50.05
21	4612	179	250	5041	88	2621	0	4370	4614	-511	-577	11787	231	12018	2036	14054	50.24
22	4678	159	250	5087	90	2634	0	4052	4293	-646	-598	11506	139	11645	1979	13624	50.13
23	4690	159	250	5099	94	2622	0	4052	3940	-722	-585	11170	99	11269	1840	13109	50.06
24	4763	164	250	5177	113	2607	0	4221	4067	-640	-580	11384	84	11468	1636	13104	50.27
MUs	110.64	16.47	6.35	133.46	1.45	63.10	0.94	111.32	115.27	-10.65	-9.73	304.70	10.98	315.68	40.88	356.56	50.04

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 15/Dec/2013

Position as on 6.30 Hrs of 16/Dec/2013

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	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Condenser replacement work.	
Cent_Sect Tarapur 2	160	24/11/2013	20.42		Continued.	Maint.work.	15/12/2013
Koyna Unit 10	80	12/12/2013	08.00		Continued.	Annual Maint.Work.	
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	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
CPP WPCL U-3	135	10/11/2013	6.10		Continued.	I D Fan Problem	
CPP INDIABULLS	270	25/11/2013	00:00		Continued.	Non-availability of coal	
Uran Unit 5	108	25/11/2013	21.33		Continued.	Gas Shortage.	
CPP Adani U-3	660	01/12/2013	23.49		Continued.	TO ATTEND OIL LEAKAGE BEARING NO 7	
Uran Unit A0	120	04/12/2013	13.26		Continued.	GAS RESTRICTION	
Uran Unit 6	108	04/12/2013	13.26		Continued.	Gas Restriction	
Chandrapur Unit 3	210	13/12/2013	00:21	16/12/2013	5.45	PA Fan Tripped	
Koradi Unit 6	210	13/12/2013	12.49		Continued.	P.A.FAN PROBLEM	
Khaparkheda Unit 2	210	14/12/2013	11.43		Continued.	Poor Coal Receipt	
Khaparkheda Unit 5	500	15/12/2013	15.54	15/12/2013	19.03	Loss of Fuel	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Dec/2013

Position as on 6.30 Hrs of 16/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Voltage Level : 400KV			Outage Type HAND TRIPPED		
A'bad-Talegaon PG-1	07/12/2013	10.12		Continued.	line readyfor charging
765 KV Seoni-Wardha-II	10/12/2013	1:24		Continued.	H/T TO CONTROL O/V
Kolhapur - Mapusa - I	14/12/2013	16.11	15/12/2013	09.12	Over Voltage
Kolhapur-Solapur(PGCIL)-I	14/12/2013	16.22		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	15/12/2013	01.34	15/12/2013	08.36	Over Voltage
Kolhapur - Mapusa - I	15/12/2013	16.08		Continued.	Over Voltage
Solapur - Solapur (PG)	15/12/2013	17.13	16/12/2013	6.33	Over Voltage
Dhule-Sar'Sarovar - II	15/12/2013	22.03		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	05/12/2013	19.30		Continued.	To control L/L due to 220KV Wardha-Warora Outage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132 KV 200 MVA ICT - II @ Khadka	11/11/2013	09.07		Continued.	Replacement of Old 200 MVA ICT Under LES Upto 04/01/2014.
400/220KV 315 MVA ICT-I @ Padgha	26/11/2013	10.25		Continued.	Taken on TBC LV Side.(15 Days)
400/220KV 315MVA ICT- I @ Chandrapur	04/12/2013	11.20		Continued.	Taken on TBC LV Side for Breaker Work.
Dabhol - Nagothane - I	12/12/2013	10.48		Continued.	Testing Work.RFC 19.10 Hrs.
400/220 KV 600 MVA ICT-II @ Kalwa	15/12/2013	08.06	15/12/2013	17.55	Relay Testing work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Pusad-Nanded	05/12/2013	06.03		Continued.	220KV Ghatodi S/S LILO Work.
Ghodbandar - Bhoisor (MSETCL)	07/12/2013	10.38		Continued.	MUMBAI STRENGTENING WORK
220/132 KV 150 MVA T/F-I @ Boiser	10/12/2013	13.04		Continued.	Vaccum and drying process due to moisture in WDG.of ICT.
Borivali(M)-Borivali(Rel)2	15/12/2013	10.02	15/12/2013	15.39	Annual Bay maint.work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Bhusawal - Deepnagar - II	03/12/2013	12.08		Continued.	Over Voltage.
Deepnagar-Waluj I	03/12/2013	12:08		Continued.	Over Voltage.
Karad - Kolhapur - II	08/12/2013	16.36		Continued.	OVER VOLTAGE
Bhusawal- Aurangabad	13/12/2013	18.55		Continued.	over voltage
Karad-Jaigad I	14/12/2013	17.37		Continued.	Over Voltage
Lonikand- Koyna Stage IV	14/12/2013	20.23	15/12/2013	09.18	Over Voltage
Lonikand- Koyna Stage IV	16/12/2013	01.03		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	17/11/2013	18.00		Continued.	To control 220KV Paras-Chikhali Ckt Loading.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Dec/2013

Position as on 6.30 Hrs of 16/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chikhali - Jalna - II	17/11/2013	18.00		Continued.	To control 220KV Paras-Chikhali Ckt Loading.
Aurangabad - Babaleshwar	30/11/2013	9.24		Continued.	TO CONTROL A'BAD ICT LOADING
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Nivali-Pawas	15/12/2013	07.09	15/12/2013	12.41	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Babaleshwar - Kopargaon	15/12/2013	15.26	15/12/2013	17.53	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Dec/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	135
Unit 6	210	0
Unit 7	210	180
	620	315
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	269
Unit 5	500	0
	1420	569
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	160
Unit 6	250	160
Unit 7	250	160
	1130	640
Chandrapur		
Unit 1	210	140
Unit 2	210	100
Unit 3	210	0
Unit 4	210	200
Unit 5	500	0
Unit 6	500	400
Unit 7	500	400
	2340	1240
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	180
Unit 4	210	200
Unit 5	500	450
	1340	990
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	310
	852	310
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	18
VTRNA	60	

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	8
GHATGHAR	250	
	611	84
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	822
WARDHA	405	330
Adani	1980	1234
Other CPPs	300	
	3885	2386
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	5072
	3455	5072