



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

**State Load Dispatch Center,
Airoli**

Daily system Report

for

08/Jan/2015

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 08/Jan/2015 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.112	965.755	1) Gujrat	0.547	-10.245
2) Hydro	6.063	53.115	2) Madhya Pradesh	14.223	100.860
3) Gas	6.957	70.787	3) Chattisgarh	5.410	38.230
Total MSGENCO	138.132	1089.657	4) Maharashtra Net	82.333	604.088
B) 1) JSW JAIGAD	20.461	159.634	(Incl. 765kV Solapur-Raichur)	-9.904	-89.739
2) WPCL	2.736	17.252	5) Goa	-6.637	-49.855
3) ADANI	47.880	340.400	6) TAPS 1&2 Injection	2.581	20.071
4) Other CPP / IPP	23.849	184.042	7) RGPPL Injection	0.000	0.000
5) Wind Generation	5.141	34.094	8) Pench (Excess)	-0.499	-4.363
6) PENCH (MS)	0.499	4.363	# Total Cent. Sector	97.958	698.786
7) SOLAR	1.207	6.702	F) Other Exchanges		
C) 1) TPCL Thermal	9.127	83.001	1) With TPCL (Excess)	-26.590	-199.596
2) TPCL Hydro	5.906	30.477	G) Bilateral Power *		
TOTAL TPCL	15.033	113.478	1) MSEDCL Bilateral	14.495	143.960
3) REL Thermal	5.680	54.043	Include PX	-8.786	-49.201
D) STATE			2) MUMBAI Bilateral	24.032	164.751
1) Thermal (A1+C1+C3)	139.919	1102.799	Include PX	4.827	20.129
2) Hydro (A2+B6+C2)	12.468	87.955	3) MUMBAI Schedule	24.344	166.584
3) Gas (A3)	6.957	70.787	H) ENERGY CATERED (MUs)		
4) Wind (B5)	5.141	34.094	1) MSEDCL	311.273	2335.334
5) CPP/IPP (B1+B2+B3+B4)	94.926	701.328	2) TPCL	29.091	226.936
6) SOLAR (B7)	1.207	6.702	3) REL	18.213	140.177
TOTAL STATE	260.618	2003.665	TOTAL STATE	358.577	2702.447

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5351	5294	4880
MSGENCO Hydro	467	140	89
MSGENCO Gas	280	280	297
MSGENCO Total Generation	6098	5714	5266
Central Sector Receipt	5129	5274	2226
WIND	226	54	216
CPP / IPP	4550	4297	3458
SOLAR	176	152	0
Exchange with Mumbai	-1353	-1198	-695
MSEDCL DEMAND MET	14852	14320	10497
Load Shedding	63	70	54
MSEDCL DEMAND	14915	14390	10551
TPCL GENERATION	808	871	349
R-INFRA GENERATION	263	263	195
TPCL+R-INFRA DEMAND	2424	2332	1239
STATE DEMAND MET	17276	16652	11736
STATE DEMAND	17339	16722	11790
Frequency (Hz)	49.98	49.83	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.24 Hz at 18.01 Hrs	49.6 Hz at 18.38 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 08/Jan/2015

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)	
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)		
Koradi						Total	3.62	29.52			1090	
Unit 5	0.00	0.00	0	0	0	Hydro						
Unit 6	3.62	29.68	165	140	145	KDPH	0.00	1.93	0	0	0	
Unit 7	3.68	29.71	165	135	135	VTRNA	0.00	0.00	0	0	0	
Total	7.30	59.39			280	TILLARI	0.37	2.89	63	0	64	
Bhusawal						BHTGR/VEER	0.10	0.74	5	4	4	
Unit 2	0.00	0.00	0	0	0	BHIRA T.R.	0.24	1.35	80	0	80	
Unit 3	0.26	11.30	90	0	0	RNGR+BHTSA	0.36	2.79	15	15	15	
Unit 4	8.54	70.74	470	320	329	BHANDARDRA	0.00	0.00	0	0	0	
Unit 5	7.92	69.23	340	320	337	ELDARY	0.00	0.00	0	0	0	
Total	16.73	151.27			666	SMLHY_PTN	0.81	8.00	41	30	12	
Parli						GHATGHAR	0.57	5.89	125	0	0	
Unit 3	0.00	0.00	0	0	0	Total	2.44	23.59			175	
Unit 4	0.00	0.00	0	0	0	Wind						
Unit 5	6.63	31.76	155	146	145	MalharPeth	0.08	0.69				
Unit 6	5.00	38.52	250	195	195	Vankuswadi	0.17	1.32				
Unit 7	4.91	38.27	250	193	195	ATIT	0.01	0.14				
Total	16.55	108.56			535	Kale	0.07	0.44				
Chandrapur						Satara	2.80	17.27				
Unit 1	0.00	0.00	0	0	0	Shirala	0.05	0.61				
Unit 2	2.96	25.42	126	117	140	K Mahankal	0.02	0.10				
Unit 3	3.98	24.92	179	137	190	Supa	0.09	0.34				
Unit 4	4.20	33.09	191	153	200	Vita	0.81	5.84				
Unit 5	8.99	67.74	410	340	400	Dondaicha	0.35	3.77				
Unit 6	8.47	61.78	390	320	400	Sakri	0.04	0.44				
Unit 7	9.05	65.31	427	348	400	Nandurbar	0.25	1.25				
Total	37.65	278.26			1730	Khandke	0.26	1.33				
Paras						Khaparale	0.14	0.56				
Unit 3	3.72	35.62	208	0	180	Total	5.14	34.09				
Unit 4	4.48	36.80	213	161	180	CPP						
Total	8.20	72.41			360	JSW_JAIGAD	20.46	159.63	938	723	855	
Khaparkheda						WARDHA	2.74	17.25	117	110	112	
Unit 1	3.98	31.00	185	150	180	Adani	47.88	340.40	2370	1680	1766	
Unit 2	3.78	29.70	180	140	180	Other_CPPs	23.85	184.04			745	
Unit 3	4.22	34.81	188	164	210	Total	94.93	701.33			3478	
Unit 4	4.48	34.80	195	178	210	SOLAR						
Unit 5	9.55	76.86	430	370	500	Total	1.21	6.70				
Total	26.01	207.18			1280	Total	1.21	6.70				
Nasik						Tata						
Unit 3	4.16	33.22	185	160	200	Trombay 4	0.00	0.00	0	0	0	
Unit 4	4.23	33.22	192	165	190	Trombay 5	0.00	21.75	0	0	0	
Unit 5	4.28	22.23	194	161	190	Trombay 6	3.58	19.70	150	148	500	
Total	12.67	88.68			580	Trombay 7A	0.00	0.00	0	0	0	
Uran						Trombay 7B	0.00	0.00	0	0	0	
All Units	6.96	70.79	300	280	300	Trombay 8	5.55	41.56	251	199	250	
Total	6.96	70.79			300	TATA Hydro	5.91	30.48	471	0	447	
PENCH (MS)						Total	15.03	113.48			1197	
Pench (MS)	0.50	4.36	27	11		REL						
Total	0.50	4.36				1&2	5.68	54.04	263	194	250	
Koyna						Total	5.68	54.04			250	
Stage 1-2	2.46	20.96	500	40	600	Cent Sect						
Stage 4	0.85	2.98	280	0	250	Share					5146	
Stage 3	0.30	5.58	80	0	240	Total					5146	
Koyna 12&4 Total	3.32	23.94			850	MS PG CL						
							Thermal	125.11	965.76			5431
							Thml+Gas	132.07	1036.54			5731
							Hydro	6.06	53.12			1265
							Total	138.13	1089.66			6996
							State Total	260.62	2003.66			17067

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 08/Jan/2015

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDING	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4875	89	298	5262	102	3573	0	2974	2619	-769	-804	10778	85	10863	1489	12352	49.97
2	4892	89	297	5278	130	3536	0	2433	2734	-748	-701	11003	54	11057	1332	12389	49.97
3	4906	94	298	5298	176	3478	0	2314	2512	-717	-706	10784	54	10838	1274	12112	49.98
4	4880	89	297	5266	216	3458	0	2463	2226	-710	-695	10497	54	10551	1239	11790	49.96
5	4915	100	298	5313	283	3503	0	2845	2778	-717	-718	11186	56	11242	1261	12503	49.94
6	4924	90	297	5311	313	3506	0	3412	3882	-753	-840	12199	64	12263	1383	13646	49.97
7	5022	230	300	5552	391	3566	1	4316	4566	-671	-1013	13090	80	13170	1651	14821	49.97
8	5173	596	298	6067	424	3709	6	4462	4835	-780	-911	14143	80	14223	1831	16054	49.84
9	5246	504	294	6044	346	4116	61	4866	5138	-1086	-1015	14703	74	14777	2014	16791	49.88
10	5285	451	288	6024	368	4413	107	5047	5016	-1291	-1174	14767	64	14831	2292	17123	49.91
11	5313	455	285	6053	339	4489	155	5126	5051	-1419	-1287	14825	60	14885	2406	17291	49.88
12	5351	467	280	6098	226	4550	176	5165	5129	-1448	-1353	14852	63	14915	2424	17339	49.98
13	5514	120	280	5914	148	4458	174	5042	4924	-1311	-1334	14311	127	14438	2421	16859	49.52
14	5316	90	282	5688	69	4242	169	4941	5113	-1174	-1221	14086	73	14159	2308	16467	49.90
15	5294	140	280	5714	54	4297	152	5052	5274	-1166	-1198	14320	70	14390	2332	16722	49.83
16	5278	235	281	5794	60	4178	123	5071	5117	-1159	-1208	14089	62	14151	2341	16492	49.86
17	5077	351	285	5713	49	4188	74	4728	5038	-1118	-1315	13766	64	13830	2352	16182	49.84
18	4992	528	285	5805	61	4171	9	3884	3746	-1044	-1376	12431	67	12498	2344	14842	49.92
19	5090	506	289	5885	126	4140	0	4518	4442	-1188	-1399	13205	69	13274	2421	15695	49.87
20	5080	380	285	5745	203	4138	0	4802	4579	-1221	-1383	13293	67	13360	2398	15758	49.91
21	4935	163	288	5386	251	4146	0	4149	3755	-1134	-1320	12229	63	12292	2247	14539	49.98
22	4946	106	288	5340	260	3882	0	3790	3347	-979	-1253	11596	60	11656	2053	13709	50.02
23	4954	90	292	5336	253	3656	0	3229	3160	-890	-1265	11152	60	11212	1844	13056	49.92
24	4859	100	292	5251	293	3533	0	3051	2976	-850	-1101	10972	60	11032	1646	12678	50.01
MUs	122.12	6.06	6.96	135.14	5.14	94.93	1.21	97.68	97.96	-24.34	-26.59	308.28	1.63	309.91	47.30	357.21	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 08/Jan/2015

Position as on 6.30 Hrs of 09/Jan/2015

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	
Tata Trombay 5	500	03/01/2015	20.30		Continued.	Annual Maintenance	
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	09/01/2015	06.24	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 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.	
Cent_Sect TARAPUR-4	540	19/12/2014	19.04		Continued.	W/Dn.	
CPP WPCL U-3	135	25/12/2014	14.02		Continued.	ID Fan Problem.	
Uran Unit 7	108	28/12/2014	04.49		Continued.	Gas Shortage.	
CPP JSW (J) U2	300	02/01/2015	20.51		Continued.	W/Dn.	
Bhusawal Unit 3	210	04/01/2015	00.36	08/01/2015	20.15	Boiler Tube Leakage	
REL 2	250	04/01/2015	01.55		Continued.	Stator E/F.	
CPP Adani U-4	660	04/01/2015	03.24		Continued.	MOV Leakage	
Uran Unit 6	108	05/01/2015	18.07		Continued.	Gas Shortage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 08/Jan/2015

Position as on 6.30 Hrs of 09/Jan/2015

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Koyna Unit 8	80	08/01/2015	16.20	08/01/2015	17.15	excitation failure	
Koyna UNIT 6	75	08/01/2015	17.15	08/01/2015	21.45	T/F MBT	
Paras Unit 3	250	08/01/2015	20.10	09/01/2015	03.35	Drum level high	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 08/Jan/2015

Position as on 6.30 Hrs of 09/Jan/2015

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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		
Dhule-Sar'Sarovar - I	07/01/2015	17.21	08/01/2015	09.36	Over Voltage.
Kolhapur - Mapusa - I	07/01/2015	17.53	08/01/2015	08.35	Over Voltage.
Kolhapur - Mapusa - I	08/01/2015	08.43	08/01/2015	18.28	over voltage
Dhule-Sar'Sarovar - II	08/01/2015	20.01		Continued.	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	08/01/2015	09.11	08/01/2015	17.54	distnace protection
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.
400/220 KV 105 MVA Spare ICT @ Akola.	06/01/2015	09.50		Continued.	Oil Filtration of Main Tank & OLTC Due to Rise in Water Content.
400/220 KV,500MVA ICT - III at Parly	08/01/2015	09.05	08/01/2015	22.40	Testing work
400/220 KV 315 MVA ICT-III @ Lonikand.	08/01/2015	09.16	08/01/2015	18.29	R.m.work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	25/11/2014	11.36		Continued.	Erection & Stringing Work.
TBC @ 400 KV Parli-II	07/01/2015	15.48		Continued.	Shifting of CR Panel from 220KV Girawali C/R to 400KV C/R.
220/132KV200MVA ICT IV @Phursungi	08/01/2015	08.04	08/01/2015	18.00	Tan delta annul testing
Theur - Jejuri	08/01/2015	09.00	08/01/2015	14.00	maintance work
Nivali-Pawas	08/01/2015	10.06	08/01/2015	17.58	insulator cleaning
Mumewadi-Hamidwada	08/01/2015	10.08	08/01/2015	15.54	Annual Relay Testing work
Padghe - Jindal	08/01/2015	10.19		Continued.	overhauling work
Uran - Apta (HOC)	08/01/2015	10.57	08/01/2015	20.05	hot spot
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
HVDC Pole-I	07/01/2015	23.16	08/01/2015	05.05	Emergency outage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bableshwar-Taptitanda I	05/01/2015	17.06		Continued.	Over Voltage.
Bhusawal- Aurangabad	06/01/2015	17.56	08/01/2015	07.31	Over Voltage.
Karad-Jaigad I	07/01/2015	17.05	08/01/2015	08.45	Over Voltage.
Karad - Kolhapur - II	07/01/2015	21.14	08/01/2015	08.42	Over Voltage.
Lonikand- Koyna Stage IV	07/01/2015	21.22	08/01/2015	07.40	Over Voltage.
Karad - Kolhapur - I	08/01/2015	16.06		Continued.	over voltage
Karad-Jaigad I	08/01/2015	16.39		Continued.	over voltage
Bhusawal- Aurangabad	08/01/2015	17.11		Continued.	over voltage
Lonikand-Stage4	08/01/2015	21.11		Continued.	over voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 08/Jan/2015

Position as on 6.30 Hrs of 09/Jan/2015

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
JEUR-Tembhurni	31/12/2014	21.28		Continued.	For safety due to fire on ICT.
Babaleshwar - Alephata	06/01/2015	17.15		Continued.	To Control ICT Loading.
Voltage Level : 400KV		Outage Type TRIPPED			
765KV Koradi-III -- Tiroda - II	24/12/2014	15.38		Continued.	Distance Protection
New Koyna - Dabhol - I	02/01/2015	03.02		Continued.	Over Voltage.
Padghe-BBLSR-I	07/01/2015	23.48	08/01/2015	01.20	Dist.Prot.
Padgha - Babaleshwar - II	07/01/2015	23.48	08/01/2015	00.53	DT Received at Padgha end.
Voltage Level : 220KV		Outage Type TRIPPED			
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
220/132KV 100 MVA,ICT-I at Jeur	31/12/2014	21.28		Continued.	Diff.Prot.Optd.
Pedambe-Mahad	08/01/2015	13.47	08/01/2015	16.00	distance protection
Miraj - Tilwani	08/01/2015	16.19	08/01/2015	16.32	distance protection

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 09/Jan/2015

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			TILLARI	60	63
Unit 5	200	0	BHTGR/VEER	21	4
Unit 6	210	150	BHIRA T.R.	80	80
Unit 7	210	160	RNGR+BHTSA	20	15
	620	310	BHANDARDRA	45	0
Bhusawal			ELDARY	23	0
Unit 2	210	0	SMLHY_PTIN	12	10
Unit 3	210	138	GHATGHAR	250	0
Unit 4	500	325		611	172
Unit 5	500	330	Wind		
	1420	793	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	0	ATIT	0	
Unit 4	210	0	Kale	0	
Unit 5	210	150	Satara	0	
Unit 6	250	190	Shirala	0	
Unit 7	250	190	K Mahankal	0	
	1130	530	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	0	Dondaicha	0	
Unit 2	210	140	Sakri	0	
Unit 3	210	190	Nandurbar	0	
Unit 4	210	200	Khandke	0	
Unit 5	500	450	Khaparale	0	
Unit 6	500	450		0	
Unit 7	500	450	CPP		
	2340	1880	JSW_JAIGAD	1200	854
Paras			WARDHA	405	115
Unit 3	250	182	Adani	2640	2468
Unit 4	250	182	Other_CPPs	300	745
	500	364		4545	4182
Khaparkheda			SOLAR		
Unit 1	210	180	Total	0	
Unit 2	210	180		0	
Unit 3	210	210	Tata		
Unit 4	210	210	Trombay 4	150	0
Unit 5	500	500	Trombay 5	500	0
	1340	1280	Trombay 6	500	500
Nasik			Trombay 7A	120	0
Unit 3	210	200	Trombay 7B	60	0
Unit 4	210	190	Trombay 8	250	250
Unit 5	210	190	TATA Hydro	444	447
	630	580		2024	1197
Uran			REL		
All Units	852	300	1&2	500	250
	852	300		500	250
PENCH (MS)			Cent Sect		
Pench (MS)	53		Share	3455	5458
	53			3455	5458
Koyna					
Stage 1-2	600	600			
Stage 4	1000	250			
Stage 3	320	240			
	1920	1090			
Hydro					
KDPH	40	0			
VTRNA	60	0			