



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Jan/2015

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Jan/2015 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	130.214	1842.637	1) Gujrat	7.788	8.973
2) Hydro	10.654	102.299	2) Madhya Pradesh	12.272	180.677
3) Gas	6.895	127.289	3) Chattisgarh	1.530	73.870
Total MSGENCO	147.763	2072.225	4) Maharashtra Net	85.491	1188.702
B) 1) JSW JAIGAD	21.311	298.999	(Incl. 765kV Solapur-Raichur)	-1.839	-128.408
2) WPCL	2.817	36.101	5) Goa	-6.174	-90.634
3) ADANI	45.920	656.700	6) TAPS 1&2 Injection	0.000	31.936
4) Other CPP / IPP	24.250	357.792	7) RGPPL Injection	0.000	0.000
5) Wind Generation	2.647	71.820	8) Pench (Excess)	-0.451	-7.432
6) PENCH (MS)	0.451	7.432			
7) SOLAR	1.128	15.143	# Total Cent. Sector	100.456	1386.092
C) 1) TPCL Thermal	9.028	146.957	F) Other Exchanges		
2) TPCL Hydro	6.197	65.274	1) With TPCL (Excess)	-25.435	-378.169
TOTAL TPCL	15.225	212.231	G) Bilateral Power *		
3) REL Thermal	5.462	92.692	1) MSEDCL Bilateral	28.565	291.761
D) STATE			Include PX	-3.060	-90.628
1) Thermal (A1+C1+C3)	144.704	2082.286	2) MUMBAI Bilateral	23.794	324.481
2) Hydro (A2+B6+C2)	17.302	175.005	Include PX	3.890	45.684
3) Gas (A3)	6.895	127.289	3) MUMBAI Schedule	23.794	326.626
4) Wind (B5)	2.647	71.820	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	94.298	1349.592	1) MSEDCL	321.308	4524.135
6) SOLAR (B7)	1.128	15.143	2) TPCL	28.461	420.162
TOTAL STATE	266.974	3821.135	3) REL	17.662	262.925
			TOTAL STATE	367.431	5207.222

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5759	5817	5077
MSGENCO Hydro	1403	559	132
MSGENCO Gas	310	300	325
MSGENCO Total Generation	7472	6676	5534
Central Sector Receipt	5623	5026	2639
WIND	121	100	102
CPP / IPP	3933	4065	3484
SOLAR	104	165	0
Exchange with Mumbai	-1156	-1132	-663
MSEDCL DEMAND MET	16119	14923	11096
Load Shedding	559	725	73
MSEDCL DEMAND	16678	15648	11169
TPCL GENERATION	871	861	358
R-INFRA GENERATION	262	261	196
TPCL+R-INFRA DEMAND	2289	2254	1217
STATE DEMAND MET	18408	17177	12313
STATE DEMAND	18967	17902	12386
Frequency (Hz)	49.94	49.93	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 18.00 Hrs	49.53 Hz at 07.35 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 15/Jan/2015

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	3.56	45.21	160	125	155
Unit 7	3.37	55.42	165	115	155
Total	6.94	100.63			310
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	20.15	0	0	0
Unit 4	10.59	135.89	515	360	380
Unit 5	10.12	134.30	500	360	380
Total	20.71	290.33			760
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.66	24.20	160	140	150
Unit 5	3.61	54.12	163	143	150
Unit 6	5.27	73.00	238	193	190
Unit 7	0.00	65.23	0	0	0
Total	12.54	216.55			490
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.11	46.65	134	126	130
Unit 3	3.76	33.20	193	112	140
Unit 4	4.36	64.04	189	174	200
Unit 5	9.92	134.44	470	365	450
Unit 6	8.91	123.28	395	335	400
Unit 7	9.32	131.48	464	327	450
Total	39.38	533.09			1770
Paras					
Unit 3	4.93	68.75	253	116	220
Unit 4	5.14	70.42	253	164	220
Total	10.07	139.17			440
Khaparkheda					
Unit 1	4.38	59.74	205	160	190
Unit 2	3.72	56.00	170	135	180
Unit 3	4.39	64.30	206	163	210
Unit 4	4.60	55.32	210	161	210
Unit 5	10.71	148.38	500	370	500
Total	27.80	383.74			1290
Nasik					
Unit 3	4.22	63.43	195	165	200
Unit 4	4.22	63.16	188	168	200
Unit 5	4.32	52.54	197	160	200
Total	12.77	179.12			600
Uran					
All Units	6.90	127.29	332	162	325
Total	6.90	127.29			325
PENCH (MS)					
Pench (MS)	0.45	7.43	25	0	
Total	0.45	7.43			
Koyna					
Stage 1-2	3.20	39.14	445	40	600
Stage 4	2.06	7.37	560	0	250
Stage 3	1.42	11.04	162	0	320
Kovna 12&4 Total	5.27	46.51			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	6.69	57.55			1170
Hydro					
KDPH	0.44	2.65	19	18	19
VTRNA	0.00	0.00	0	0	0
TILLARI	0.38	5.32	65	0	64
BHTGR/VEER	0.10	1.36	5	4	4
BHIRA T.R.	0.40	3.48	80	0	80
RNGR+BHTSA	0.36	4.75	16	15	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.40	14.82	67	55	10
GHATGHAR	0.89	12.37	125	0	0
Total	3.97	44.75			177
Wind					
MalharPeth	0.05	1.93			
Vankuswadi	0.10	3.46			
ATIT	0.00	0.40			
Kale	0.04	1.50			
Satara	0.98	36.34			
Shirala	0.04	2.21			
K Mahankal	0.01	0.20			
Supa	0.03	0.70			
Vita	0.40	11.29			
Dondaicha	0.56	6.96			
Sakri	0.07	0.89			
Nandurbar	0.24	2.53			
Khandke	0.04	2.06			
Khaparale	0.10	1.35			
Total	2.65	71.82			
CPP					
JSW JAIGAD	21.31	299.00	968	760	875
WARDHA	2.82	36.10	123	112	118
Adani	45.92	656.70	2360	1640	1605
Other CPPs	24.25	357.79			745
Total	94.30	1349.59			3343
SOLAR					
Total	1.13	15.14			
Total	1.13	15.14			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	21.75	0	0	0
Trombay 6	3.61	44.93	151	150	500
Trombay 7A	0.00	0.00	0	0	0
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.42	80.28	251	201	250
TATA Hydro	6.20	65.27	471	0	447
Total	15.22	212.23			1197
REL					
1&2	5.46	92.69	262	194	250
Total	5.46	92.69			250
Cent Sect					
Share					5644
Total					5644
MS PG CL	Thermal	130.21	1842.64		5660
	Thml+Gas	137.11	1969.93		5985
	Hydro	10.65	102.30		1347
	Total	147.76	2072.22		7332
State Total		266.97	3821.14		17766

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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 SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	5004	137	324	5465	124	3617	0	3416	3010	-727	-886	11332	79	11411	1432	12843	50.00
2	5049	132	328	5509	125	3479	0	3270	2957	-667	-758	11312	73	11385	1304	12689	49.95
3	5053	137	329	5519	130	3503	0	3052	3108	-638	-699	11561	73	11634	1245	12879	49.97
4	5077	132	325	5534	102	3484	0	3133	2639	-665	-663	11096	73	11169	1217	12386	49.96
5	5093	137	330	5560	97	3486	0	3274	3115	-684	-607	11661	75	11736	1226	12962	49.91
6	5321	132	330	5783	89	3379	0	4165	4078	-717	-805	12546	119	12665	1355	14020	49.95
7	5683	137	331	6151	89	3552	1	4768	4489	-697	-839	13465	119	13584	1564	15148	49.94
8	5732	616	332	6680	137	3652	9	5029	5001	-786	-742	14759	429	15188	1763	16951	49.82
9	5756	825	328	6909	129	3764	42	5294	5062	-1040	-889	15040	665	15705	1985	17690	49.92
10	5759	1403	310	7472	121	3933	104	5541	5623	-1202	-1156	16119	559	16678	2289	18967	49.94
11	5758	1528	311	7597	172	3968	145	5534	5141	-1322	-1297	15748	631	16379	2430	18809	49.94
12	5763	1238	304	7305	154	3938	150	5463	5301	-1363	-1320	15550	771	16321	2443	18764	49.98
13	5829	680	301	6810	138	3984	172	5292	5238	-1334	-1248	15117	887	16004	2381	18385	49.90
14	5817	559	300	6676	100	4065	165	5115	5026	-1245	-1132	14923	725	15648	2254	17902	49.93
15	5841	529	293	6663	55	4107	162	5175	5093	-1205	-1146	14957	582	15539	2263	17802	49.95
16	5725	514	236	6475	29	4295	104	5193	5160	-1209	-1121	14965	436	15401	2237	17638	49.91
17	5701	351	162	6214	34	4479	67	4859	4673	-1140	-1175	14315	352	14667	2281	16948	49.94
18	5650	150	172	5972	44	4532	7	4196	3578	-944	-1349	12807	138	12945	2261	15206	50.00
19	5227	283	215	5725	98	4175	0	4586	4558	-1205	-1392	13188	88	13276	2321	15597	49.91
20	5150	291	174	5615	154	4016	0	4587	4721	-1254	-1267	13263	92	13355	2287	15642	49.93
21	5111	276	200	5587	135	4171	0	4088	4138	-1149	-1334	12721	82	12803	2179	14982	49.98
22	5081	194	316	5591	110	4369	0	3291	3080	-915	-1289	11885	74	11959	1963	13922	50.01
23	5041	139	320	5500	131	4348	0	3109	2721	-903	-1229	11496	70	11566	1800	13366	49.94
24	4994	134	324	5452	150	4002	0	2983	2947	-783	-1092	11484	65	11549	1642	13191	49.98
MUs	130.2 2	10.65	6.90	147.76	2.65	94.30	1.13	104.41	100.46	-23.79	-25.44	321.31	7.26	328.57	46.12	374.69	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 15/Jan/2015

Position as on 6.30 Hrs of 16/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	
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	
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.	
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	
Bhusawal Unit 3	210	11/01/2015	08.23		Continued.	Boiler Tube leakage	
Uran Unit B0	120	12/01/2015	06.35		Continued.	Gas Shortage.	
Uran Unit 8	108	12/01/2015	06.40		Continued.	Gas Shortage.	
CPP Adani U-5	660	12/01/2015	22.21	15/01/2015	13.00	Drain Leakages.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 15/Jan/2015

Position as on 6.30 Hrs of 16/Jan/2015

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Cent_Sect Tarapur 2	160	13/01/2015	20.06		Continued.	Pump Maintenance.	
Parli Unit 7	250	14/01/2015	13.07		Continued.	BTL.	
CPP IPL U-1	270	15/01/2015	04.57	15/01/2015	08.05	Turbine Vibration.	
Paras Unit 4	250	16/01/2015	00.01		Continued.	BLR T/L.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jan/2015

Position as on 6.30 Hrs of 16/Jan/2015

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Bhilai	15/01/2015	10.27		Continued.	Tower shifting work.
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-II	13/01/2015	16.48	15/01/2015	08.04	Over Voltage.
Dhule-Sar'Sarovar - II	14/01/2015	17.12	15/01/2015	08.48	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	14/01/2015	22.17	15/01/2015	08.53	Over Voltage.
Kolhapur - Mapusa - II	15/01/2015	16.47		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	15/01/2015	20.33		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	13/12/2014	00.00		Continued.	Over Voltage
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE - I	14/01/2015	06.35	15/01/2015	18.50	Taken on TBC for Removal of IPS Tube.
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 500 MVA ICT - II @ Jejuri	15/01/2015	08.40	15/01/2015	22.14	Annual testing and maint.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.
Padgha - Nalasopara	09/01/2015	13.00		Continued.	shift load of nalasopara on boiser pg
Padgha-Vasai	09/01/2015	13.12		Continued.	maintance work
Ghatghar-Jindal	15/01/2015	09.33		Continued.	Overhauling of CB,Repl of autoreclose relay,relay testing & R.M.Work.
Century Enka - Bhosari	15/01/2015	10.32	15/01/2015	18.14	Installation & Commissioning of metering CT & PT.
Karad-M'peth	15/01/2015	10.41	15/01/2015	16.36	Retrofitting of back up protection relay at M'peth.
220KV TBC at Deepnagar	15/01/2015	12.35	15/01/2015	13.45	Q.M.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bableshwar-Taptitanda II	12/01/2015	23.46		Continued.	Over Voltage.
Karad - Kolhapur - II	14/01/2015	16.19	15/01/2015	07.08	Over Voltage.
Karad-Jaigad I	14/01/2015	16.36	15/01/2015	07.11	Over Voltage.
Bhusawal- Aurangabad	14/01/2015	17.41	15/01/2015	07.56	Over Voltage.
Lonikand- Koyna Stage IV	14/01/2015	21.10	15/01/2015	06.44	Over Voltage.
Karad - Kolhapur - II	15/01/2015	16.10		Continued.	Over Voltage.
Karad-Jaigad I	15/01/2015	16.35		Continued.	Over Voltage.
Bhusawal- Aurangabad	15/01/2015	17.54		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	15/01/2015	20.44	16/01/2015	06.18	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jan/2015

Position as on 6.30 Hrs of 16/Jan/2015

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.
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.
Voltage Level : 132KV			Outage Type TRIPPED		
Kalmeshwar-Hingna-II	15/01/2015	09.28	15/01/2015	10.47	Sparking at Y-Ph bus isolator.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Jan/2015

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	145
	620	295
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	375
Unit 5	500	370
	1420	745
Parli		
Unit 3	210	0
Unit 4	210	168
Unit 5	210	150
Unit 6	250	190
Unit 7	250	0
	1130	508
Chandrapur		
Unit 1	210	0
Unit 2	210	130
Unit 3	210	170
Unit 4	210	200
Unit 5	500	450
Unit 6	500	360
Unit 7	500	450
	2340	1760
Paras		
Unit 3	250	201
Unit 4	250	0
	500	201
Khaparkheda		
Unit 1	210	190
Unit 2	210	180
Unit 3	210	210
Unit 4	210	210
Unit 5	500	500
	1340	1290
Nasik		
Unit 3	210	200
Unit 4	210	200
Unit 5	210	200
	630	600
Uran		
All Units	852	325
	852	325
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	19
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	16
GHATGHAR	250	0
	611	194
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	875
WARDHA	405	118
Adani	2640	2466
Other CPPs	300	745
	4545	4204
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1197
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	5607
	3455	5607