



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Jan/2015

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Jan/2015 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	129.503	2350.564	1) Gujrat	5.386	29.320
2) Hydro	7.117	131.309	2) Madhya Pradesh	12.666	236.455
3) Gas	7.606	157.644	3) Chattisgarh	0.000	73.870
Total MSGENCO	144.226	2639.517	4) Maharashtra Net	92.410	1555.057
B) 1) JSW JAIGAD	21.435	383.302	(Incl. 765kV Solapur-Raichur)	-6.177	-153.634
2) WPCL	2.828	46.960	5) Goa	-5.901	-113.952
3) ADANI	46.320	849.330	6) TAPS 1&2 Injection	0.000	31.936
4) Other CPP / IPP	23.291	452.941	7) RGPPL Injection	0.000	0.000
5) Wind Generation	5.930	86.164	8) Pench (Excess)	-0.572	-9.635
6) PENCH (MS)	0.572	9.635			
7) SOLAR	1.107	19.696	# Total Cent. Sector	103.989	1803.051
C) 1) TPCL Thermal	9.173	184.054	F) Other Exchanges		
2) TPCL Hydro	5.636	85.584	1) With TPCL (Excess)	-26.138	-483.814
TOTAL TPCL	14.809	269.638	G) Bilateral Power *		
3) REL Thermal	5.663	105.781	1) MSEDCL Bilateral	27.191	389.719
D) STATE			Include PX	0.622	-98.103
1) Thermal (A1+C1+C3)	144.339	2640.399	2) MUMBAI Bilateral	23.021	415.385
2) Hydro (A2+B6+C2)	13.325	226.528	Include PX	3.561	59.104
3) Gas (A3)	7.606	157.644	3) MUMBAI Schedule	23.021	418.156
4) Wind (B5)	5.930	86.164	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	93.874	1732.533	1) MSEDCL	323.560	5806.782
6) SOLAR (B7)	1.107	19.696	2) TPCL	29.080	529.661
TOTAL STATE	266.181	4862.964	3) REL	17.529	329.565
			TOTAL STATE	370.169	6666.008

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5911	5379	5227
MSGENCO Hydro	525	450	144
MSGENCO Gas	327	300	326
MSGENCO Total Generation	6763	6129	5697
Central Sector Receipt	5520	5589	2575
WIND	341	176	178
CPP / IPP	4385	4213	3550
SOLAR	102	158	0
Exchange with Mumbai	-1320	-1197	-647
MSEDCL DEMAND MET	15816	15091	11380
Load Shedding	65	63	53
MSEDCL DEMAND	15881	15154	11433
TPCL GENERATION	727	872	353
R-INFRA GENERATION	260	260	195
TPCL+R-INFRA DEMAND	2307	2329	1195
STATE DEMAND MET	18123	17420	12575
STATE DEMAND	18188	17483	12628
Frequency (Hz)	49.91	49.89	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 05.01 Hrs	49.64 Hz at 21.05 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 19/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	3.86	60.60	165	155	160
Unit 7	3.73	70.28	165	140	160
Total	7.59	130.89			320
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.86	26.32	170	145	165
Unit 4	9.25	174.44	500	360	360
Unit 5	9.16	172.08	460	360	360
Total	22.27	372.84			885
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.83	38.99	166	152	161
Unit 5	3.59	68.46	163	129	162
Unit 6	4.67	91.89	216	139	188
Unit 7	4.91	76.97	227	191	190
Total	17.00	276.32			701
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.06	58.89	132	121	130
Unit 3	4.39	50.17	193	164	200
Unit 4	0.00	74.87	0	0	0
Unit 5	9.22	172.16	455	364	450
Unit 6	8.55	157.90	372	310	400
Unit 7	8.90	168.29	440	317	450
Total	34.13	682.27			1630
Paras					
Unit 3	4.43	88.11	224	108	220
Unit 4	4.72	76.67	221	183	220
Total	9.15	164.78			440
Khaparkheda					
Unit 1	4.36	76.70	195	170	200
Unit 2	3.26	70.27	160	110	180
Unit 3	4.57	82.15	210	177	210
Unit 4	4.52	73.50	204	178	210
Unit 5	10.06	190.31	480	390	500
Total	26.78	492.93			1300
Nasik					
Unit 3	4.26	80.72	200	165	182
Unit 4	4.13	80.10	197	166	182
Unit 5	4.20	69.71	190	165	182
Total	12.58	230.54			546
Uran					
All Units	7.61	157.64	328	297	325
Total	7.61	157.64			325
PENCH (MS)					
Pench (MS)	0.57	9.64	27	21	
Total	0.57	9.64			
Koyna					
Stage 1-2	1.72	48.16	245	40	600
Stage 4	0.00	9.44	0	0	250
Stage 3	1.16	13.56	160	0	240
Kovna 12&4 Total	1.72	57.60			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.88	71.16			1090
Hydro					
KDPH	0.89	5.92	37	37	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.30	6.59	62	0	60
BHTGR/VEER	0.09	1.73	4	3	3
BHIRA T.R.	0.35	4.68	80	0	80
RNGR+BHTSA	0.34	6.09	15	14	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.26	19.44	60	49	9
GHATGHAR	1.01	15.70	125	0	0
Total	4.24	60.15			185
Wind					
MalharPeth	0.10	2.23			
Vankuswadi	0.18	3.95			
ATIT	0.01	0.43			
Kale	0.05	1.65			
Satara	1.48	41.22			
Shirala	0.05	2.41			
K Mahankal	0.01	0.22			
Supa	0.02	0.83			
Vita	0.28	12.47			
Dondaicha	2.40	11.18			
Sakri	0.27	1.35			
Nandurbar	0.74	3.92			
Khandke	0.18	2.61			
Khaparale	0.14	1.69			
Total	5.93	86.16			
CPP					
JSW JAIGAD	21.44	383.30	1022	761	933
WARDHA	2.83	46.96	120	116	118
Adani	46.32	849.33	2180	1640	2275
Other CPPs	23.29	452.94			745
Total	93.87	1732.53			4071
SOLAR					
Total	1.11	19.70			
Total	1.11	19.70			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	21.75	0	0	0
Trombay 6	3.62	59.37	151	150	500
Trombay 7A	0.00	0.00	0	0	0
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.55	102.94	252	200	250
TATA Hydro	5.64	85.58	471	0	447
Total	14.81	269.64			1197
REL					
1&2	5.66	105.78	261	195	250
Total	5.66	105.78			250
Cent Sect					
Share					5775
Total					5775
MS PG CL	Thermal	129.50	2350.56		5822
	Thml+Gas	137.11	2508.21		6147
	Hydro	7.12	131.31		1275
	Total	144.23	2639.52		7422
State Total		266.18	4862.96		18715

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	5202	149	326	5677	200	3718	0	2672	2742	-744	-816	11544	108	11652	1362	13014	50.00
2	5221	144	326	5691	188	3639	0	2765	2576	-671	-694	11423	53	11476	1245	12721	50.01
3	5227	144	326	5697	178	3550	0	2809	2548	-635	-647	11353	53	11406	1195	12601	50.03
4	5248	164	326	5738	184	3455	0	2691	2673	-619	-618	11455	53	11508	1165	12673	50.01
5	5260	144	328	5732	206	3587	0	3042	3022	-619	-632	11939	55	11994	1180	13174	50.01
6	5401	143	328	5872	241	3522	0	3901	3824	-698	-773	12710	68	12778	1320	14098	49.98
7	5536	152	328	6016	270	3621	1	4658	4579	-737	-948	13562	92	13654	1564	15218	49.84
8	5603	480	325	6408	405	3918	10	5140	5401	-705	-895	15271	92	15363	1770	17133	49.88
9	5873	441	326	6640	344	4350	49	5430	5457	-972	-1021	15843	84	15927	1996	17923	49.91
10	5911	525	327	6763	341	4385	102	5537	5495	-1202	-1320	15791	65	15856	2307	18163	49.91
11	5813	371	317	6501	293	4318	131	5670	5413	-1337	-1421	15260	60	15320	2460	17780	49.90
12	5390	501	315	6206	233	4171	164	5775	6089	-1284	-1358	15530	63	15593	2489	18082	49.88
13	5378	554	310	6242	172	4193	163	5548	5698	-1217	-1312	15181	120	15301	2445	17746	49.88
14	5381	443	297	6121	171	4216	160	5316	5527	-1138	-1191	15027	66	15093	2320	17413	49.95
15	5379	450	300	6129	176	4213	158	5352	5566	-1129	-1197	15068	63	15131	2329	17460	49.89
16	5351	505	301	6157	185	4218	104	5356	5444	-1098	-1180	14951	59	15010	2312	17322	49.88
17	5360	373	300	6033	126	4154	53	4998	5111	-1039	-1180	14322	63	14385	2313	16698	49.85
18	5301	210	306	5817	208	4251	12	4083	4206	-981	-1355	13163	67	13230	2307	15537	49.95
19	5277	233	311	5821	232	4142	0	4773	4406	-1119	-1423	13201	65	13266	2368	15634	49.93
20	5242	302	314	5858	275	3751	0	4847	4696	-1168	-1313	13292	64	13356	2395	15751	49.94
21	5283	249	314	5846	301	3668	0	4601	4196	-1082	-1290	12745	62	12807	2234	15041	50.01
22	5269	145	317	5731	305	3642	0	3626	3559	-1029	-1211	12049	59	12108	2026	14134	49.91
23	5327	150	318	5795	356	3627	0	3202	3040	-1008	-1238	11603	59	11662	1857	13519	49.92
24	5270	145	320	5735	340	3565	0	2930	2721	-789	-1105	11277	59	11336	1651	12987	49.97
MUs	129.50	7.12	7.61	144.23	5.93	93.87	1.11	104.72	103.99	-23.02	-26.14	323.56	1.65	325.21	46.61	371.82	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 19/Jan/2015

Position as on 6.30 Hrs of 20/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.	Rotor Fault.	25/02/2015
Tata Trombay 7A	120	11/12/2014	21.51		Continued.	Rotor Fault.	25/02/2015
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	
Uran Unit B0	120	12/01/2015	06.35		Continued.	Gas Shortage.	
Uran Unit 8	108	12/01/2015	06.40		Continued.	Gas Shortage.	
Cent_Sect Tarapur 2	160	13/01/2015	20.06		Continued.	Pump Maintenance.	
Chandrapur Unit 4	210	18/01/2015	23.03		Continued.	Boiler Parts repairing work	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Jan/2015

Position as on 6.30 Hrs of 20/Jan/2015

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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.
Wardha - Deoli (PGCIL)	19/01/2015	11.56		Continued.	Q.M.Work,Ready for Charging.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	16/01/2015	20.01	19/01/2015	08.25	Over Voltage.
Kolhapur-Mapusa-II	18/01/2015	16.12	19/01/2015	07.21	Over Voltage
Kolhapur-Solapur (PG) II	18/01/2015	17.26	19/01/2015	06.46	Over Voltage
Kolhapur - Mapusa - I	19/01/2015	16.21		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	19/01/2015	18.13	20/01/2015	06.17	Over Voltage.
Dhule-Sar'Sarovar - I	19/01/2015	19.10	20/01/2015	06.16	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.
400/220 KV 105 MVA Spare ICT @ Akola.	06/01/2015	09.50		Continued.	Oil Filtration of Main Tank & OLTC Due to Rise in Water Content.
New Koyna - Karad - I	19/01/2015	10.15		Continued.	Q.M.Work,Ready for Charging.
400/220KV,315 MVA ICT-I at Kolhapur.	19/01/2015	10.20	19/01/2015	18.44	To Attend Oi; Leakage & Hot Spot.
Akola II- Indiabull (Nandgaonpeth)Main Bay	19/01/2015	11.17		Continued.	Removing of Jumpers of Bus Isolator by Hot Line Method.Bus Isolator Maint.& Alignment Work.Q.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.
220/132 KV 200 MVA T/F-II @ Kurkumbh	16/01/2015	08.25		Continued.	Repl.of conductor.
220/132KV 200MVA ICT-II at Mudshingi	16/01/2015	10.10	16/01/2015	Continued.	Q.M.Work.
220 KV TBC @ Chandrapur	19/01/2015	09.28	19/01/2015	13.00	Measurment ofCB Timing & CRM Measurment of Tan Delta of CT.
Bus @ Lote	19/01/2015	10.00	19/01/2015	18.20	Q.M.Work.
220/66 KV 150 MVA ICT- I @ Gadchandur	19/01/2015	10.06	19/01/2015	13.47	Oil Filtration Work.
Wardha--Dhamangaon	19/01/2015	11.04	19/01/2015	18.44	Measurment of Tan Delta of CT,Measurment of Breaker Timing.
220/132 KV 200 MVA ICT - I @ Akola	19/01/2015	12.35	19/01/2015	16.10	Q.M.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV 500MVA ICT-II at Warora	16/01/2015	10.43		Continued.	CTR problem.
Karad - Kolhapur - I	18/01/2015	16.11	19/01/2015	07.26	Over Voltage
Karad-Jaigad I	18/01/2015	16.57	19/01/2015	07.44	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Jan/2015

Position as on 6.30 Hrs of 20/Jan/2015

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	18/01/2015	18.05	19/01/2015	06.28	Over Voltage
Bableshtar-Taptitanda I	18/01/2015	19.47		Continued.	Over Voltage
Lonikand- Koyna Stage IV	18/01/2015	21.45	19/01/2015	07.23	Over Voltage
Karad - Kolhapur - II	19/01/2015	16.38		Continued.	Over Voltage.
Karad-Jaigad I	19/01/2015	16.44		Continued.	Over Voltage.
Bhusawal- Aurangabad	19/01/2015	17.38		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	19/01/2015	21.08	20/01/2015	06.23	Over Voltage.
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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Jan/2015

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	165
Unit 7	210	155
	620	320
Bhusawal		
Unit 2	210	0
Unit 3	210	165
Unit 4	500	360
Unit 5	500	370
	1420	895
Parli		
Unit 3	210	0
Unit 4	210	168
Unit 5	210	164
Unit 6	250	180
Unit 7	250	174
	1130	686
Chandrapur		
Unit 1	210	0
Unit 2	210	130
Unit 3	210	200
Unit 4	210	0
Unit 5	500	450
Unit 6	500	400
Unit 7	500	450
	2340	1630
Paras		
Unit 3	250	220
Unit 4	250	220
	500	440
Khaparkheda		
Unit 1	210	200
Unit 2	210	180
Unit 3	210	210
Unit 4	210	210
Unit 5	500	500
	1340	1300
Nasik		
Unit 3	210	182
Unit 4	210	182
Unit 5	210	182
	630	546
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	240
	1920	1090
Hydro		
KDPH	40	18
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	187
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	885
WARDHA	405	118
Adani	2640	2463
Other CPPs	300	745
	4545	4211
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	5469
	3455	5469