



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 18/Oct/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.905	1964.872	1) Gujrat	3.944	121.581
2) Hydro	12.671	235.261	2) Madhya Pradesh	18.730	383.937
3) Gas	10.443	185.734	3) Chattisgarh	10.370	181.590
Total MSGENCO	136.019	2385.867	4) Maharashtra Net	121.971	2147.642
B) 1) JSW JAIGAD	21.833	487.272	(Incl. 765kV Solapur-Raichur)	-7.978	-117.743
2) WPCL	5.354	101.227	5) Goa	-7.832	-137.252
3) ADANI	43.820	745.640	6) TAPS 1&2 Injection	2.459	102.820
4) Other CPP / IPP	19.631	278.406	7) RGPPL Injection	0.000	0.000
5) Wind Generation	1.215	70.055	8) Pench (Excess)	-1.127	-17.225
6) PENCH (MS)	1.127	17.225	# Total Cent. Sector	148.515	2783.093
7) SOLAR	0.858	18.478	F) Other Exchanges		
C) 1) TPCL Thermal	19.880	357.236	1) With TPCL (Excess)	-28.391	-463.333
2) TPCL Hydro	2.472	66.051	G) Bilateral Power *		
TOTAL TPCL	22.352	423.287	1) MSEDCL Bilateral	48.836	1043.177
3) REL Thermal	12.422	213.435	Include PX	30.263	461.693
D) STATE			2) MUMBAI Bilateral	27.087	431.724
1) Thermal (A1+C1+C3)	145.207	2535.543	Include PX	3.204	90.803
2) Hydro (A2+B6+C2)	16.270	318.537	3) MUMBAI Schedule	27.087	439.581
3) Gas (A3)	10.443	185.734	H) ENERGY CATERED (MUs)		
4) Wind (B5)	1.215	70.055	1) MSEDCL	349.981	6423.930
5) CPP/IPP (B1+B2+B3+B4)	90.638	1612.545	2) TPCL	39.106	689.034
6) SOLAR (B7)	0.858	18.478	3) REL	24.059	411.041
TOTAL STATE	264.631	4740.892	TOTAL STATE	413.146	7524.005

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5619	5666	4572
MSGENCO Hydro	1205	913	46
MSGENCO Gas	421	420	445
MSGENCO Total Generation	7245	6999	5063
Central Sector Receipt	6733	6506	5615
WIND	56	24	81
CPP / IPP	3767	3752	3769
SOLAR	121	112	0
Exchange with Mumbai	-1577	-1528	-704
MSEDCL DEMAND MET	16394	15912	13871
Load Shedding	294	310	49
MSEDCL DEMAND	16688	16222	13920
TPCL GENERATION	1033	1014	826
R-INFRA GENERATION	519	516	518
TPCL+R-INFRA DEMAND	3129	3058	2048
STATE DEMAND MET	19523	18970	15919
STATE DEMAND	19817	19280	15968
Frequency (Hz)	50.00	49.98	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 17.00 Hrs	49.59 Hz at 18.26 Hrs	49.94	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 18/Oct/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	3.29	48.83	152	116	125
Unit 7	3.12	56.20	142	109	125
Total	6.41	105.03			250
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.08	43.26	140	40	140
Unit 4	7.24	81.88	425	275	280
Unit 5	7.88	146.58	470	290	300
Total	18.20	271.73			720
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	37.63	0	0	0
Unit 5	0.00	21.60	0	0	0
Unit 6	4.67	82.32	215	173	198
Unit 7	4.52	80.95	200	180	190
Total	9.18	222.52			388
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.52	58.52	158	133	150
Unit 3	3.92	67.78	179	146	175
Unit 4	4.44	80.38	200	159	200
Unit 5	7.72	146.69	455	280	300
Unit 6	7.47	137.98	425	270	300
Unit 7	7.50	138.79	430	255	300
Total	34.57	630.13			1425
Paras					
Unit 3	4.41	78.52	227	167	180
Unit 4	4.32	77.18	205	166	180
Total	8.73	155.70			360
Khaparkheda					
Unit 1	3.68	65.06	180	135	170
Unit 2	3.34	44.90	165	120	170
Unit 3	2.46	71.67	204	0	170
Unit 4	4.21	62.62	210	151	170
Unit 5	9.24	160.32	465	320	450
Total	22.92	404.56			1130
Nasik					
Unit 3	4.32	75.40	195	165	190
Unit 4	4.32	45.52	192	166	190
Unit 5	4.25	54.28	192	164	190
Total	12.88	175.20			570
Uran					
All Units	10.44	185.73	445	420	460
Total	10.44	185.73			460
PENCH (MS)					
Pench (MS)	1.13	17.22	52	20	0
Total	1.13	17.22			0
Koyna					
Stage 1-2	3.31	72.26	465	40	530
Stage 4	5.10	95.73	759	0	250
Stage 3	1.58	36.26	160	0	240
Kovna 12&4 Total	8.40	167.99			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	9.98	204.25			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.94	8.32	61	0	61
TILLARI	0.40	0.95	64	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.25	5.20	80	0	81
RNGR+BHTSA	0.00	2.49	0	0	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY		2.18			0
SMLHY PTN	0.11	1.93	13	1	11
GHATGHAR	0.99	9.94	215	0	0
Total	2.69	31.01			153
Wind					
MalharPeth	0.05	1.84			
Vankuswadi	0.06	3.40			
ATIT	0.01	0.41			
Kale	0.05	1.30			
Satara	0.81	37.78			
Shirala	0.06	2.00			
K Mahankal	0.00	0.20			
Supa	0.05	1.50			
Vita	0.01	6.88			
Dondaicha	0.00	5.75			
Sakri	0.00	1.39			
Nandurbar	0.08	2.54			
Khandke	0.03	3.35			
Khaparale	0.01	1.71			
Total	1.22	70.06			
CPP					
JSW JAIGAD	21.83	487.27	942	864	688
WARDHA	5.35	101.23	227	215	230
Adani	43.82	745.64	1860	1810	1851
Other CPPs	19.63	278.41			740
Total	90.64	1612.54			3509
SOLAR					
Total	0.86	18.48			
Total	0.86	18.48			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.83	211.54	501	462	500
Trombay 6	3.73	67.09	157	155	500
Trombay 7A	2.76	49.84	121	114	120
Trombay 7B	1.57	28.76	68	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	2.47	66.05	256	0	447
Total	22.35	423.29			1627
REL					
1&2	12.42	213.44	520	513	500
Total	12.42	213.44			500
Cent Sect					
Share					6738
Total					6738
MS PG CL	Thermal	112.90	1964.87		4843
	Thml+Gas	123.35	2150.61		5303
	Hydro	12.67	235.26		1173
	Total	136.02	2385.87		6476
State Total		264.63	4740.89		18850

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/Oct/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	4537	46	444	5027	170	3820	0	6043	6075	-1052	-1194	13947	76	14023	2540	16563	49.97
2	4623	41	443	5107	116	3731	0	6052	5795	-905	-969	13831	49	13880	2318	16198	49.98
3	4597	41	444	5082	110	3789	0	5958	5728	-811	-821	13939	49	13988	2167	16155	49.97
4	4572	46	445	5063	81	3769	0	5942	5615	-795	-704	13871	49	13920	2048	15968	49.97
5	4560	51	444	5055	59	3794	0	5873	5941	-795	-648	14248	50	14298	1993	16291	49.93
6	4547	121	443	5111	70	3780	0	6165	6313	-795	-677	14644	84	14728	2026	16754	49.82
7	4681	474	444	5599	42	3795	1	5962	6146	-797	-718	14917	138	15055	2062	17117	49.95
8	4687	312	443	5442	29	3781	25	5719	5552	-803	-795	14085	135	14220	2132	16352	49.96
9	4725	260	444	5429	38	3790	60	5437	5228	-930	-1050	13546	117	13663	2370	16033	49.96
10	4732	647	440	5819	30	3793	103	6028	5940	-1085	-1161	14573	82	14655	2705	17360	49.89
11	4765	838	424	6027	23	3788	122	6569	6819	-1338	-1469	15359	74	15433	3001	18434	49.94
12	5098	1658	426	7182	18	3735	155	6642	6379	-1407	-1562	15956	84	16040	3119	19159	49.98
13	5619	1205	421	7245	56	3767	121	6667	6733	-1421	-1577	16394	294	16688	3129	19817	50.00
14	5666	913	420	6999	24	3752	112	6624	6506	-1365	-1528	15912	310	16222	3058	19280	49.98
15	5509	990	420	6919	31	3756	71	6694	6589	-1415	-1514	15898	230	16128	3101	19229	49.91
16	4903	1186	426	6515	40	3781	52	6730	6783	-1445	-1513	15707	108	15815	3102	18917	49.88
17	4526	802	427	5755	34	3796	33	6705	6585	-1406	-1454	14799	70	14869	3030	17899	49.84
18	4446	514	426	5386	84	3740	3	6567	6541	-1344	-1358	14420	70	14490	2880	17370	49.89
19	4375	788	428	5591	23	3763	0	6451	6377	-1234	-1310	14464	65	14529	2855	17384	49.82
20	4417	990	432	5839	34	3774	0	6461	6569	-1248	-1245	15021	73	15094	2850	17944	49.96
21	4379	439	436	5254	22	3762	0	6447	6390	-1216	-1339	14137	62	14199	2797	16996	49.94
22	4343	162	439	4944	31	3784	0	6350	5982	-1184	-1339	13452	58	13510	2702	16212	50.02
23	4315	100	442	4857	32	3788	0	6080	5895	-1176	-1240	13383	58	13441	2618	16059	49.88
24	4283	47	442	4772	18	3810	0	6218	6034	-1120	-1206	13478	57	13535	2562	16097	50.00
MUs	112.90	12.67	10.44	136.02	1.22	90.64	0.86	150.38	148.52	-27.09	-28.39	349.98	2.44	352.42	63.16	415.59	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 18/Oct/2014

Position as on 6.30 Hrs of 19/Oct/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)	
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	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
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 IPL U-2	270	01/10/2014	08.10		Continued.	Coal Shortage	
Parli Unit 5	210	07/10/2014	00:26		Continued.	Coal Shortage.	
Parli Unit 4	210	13/10/2014	10.49		Continued.	Coal Shortage.	
CPP WPCL U-3	135	15/10/2014	00.01		Continued.	ID Fan Vibration Problem.	
CPP Adani U1	660	15/10/2014	20.29	19/10/2014	06.47	Main Steam Line Leakage	
CPP Adani U-4	660	16/10/2014	14.47		Continued.	Boiler Tube Leakage	
Koyna Unit 7	80	17/10/2014	08.25	19/10/2014	19.40	Brush Maintenance.	
CPP JSW (J) U4	300	18/10/2014	01.57	19/10/2014	17.13	Condenser Problem	
Khaparkheda Unit 3	210	18/10/2014	14.05		Continued.	BTL	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Oct/2014

Position as on 6.30 Hrs of 19/Oct/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kolhapur - Chikodi	18/10/2014	15.42	18/10/2014	17.14	hot spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	17/10/2014	17.35	18/10/2014	09.25	Over Voltage.
Kolhapur-Mapusa-II	18/10/2014	16.49	19/10/2014	09.13	over voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ,GT-5 at Deepnagar	22/09/2014	10.50		Continued.	Repl.damaged poles of main CB pole.
Parli-Lonikand - II	18/10/2014	15.16	18/10/2014	15.17	hot spot
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV,200 MVA ICT-II at Trombay.	18/10/2014	09.22	18/10/2014	19.22	maintance work
Phursungi - Theur	18/10/2014	09.25	18/10/2014	15.31	maintance work
Malegaon - Satana - I	18/10/2014	09.32	18/10/2014	15.49	Replacement work
Uran-Apta-II	18/10/2014	11.03	18/10/2014	15.17	hot spot
Malharpeth-Satara MIDC	18/10/2014	17.56	18/10/2014	20.11	Maintanence Work.
KHARGHAR - TROMBAY	19/10/2014	06.57	19/10/2014	14.20	hot spot Attending work
Kalwa - Borivali	19/10/2014	07.12	19/10/2014	13.30	Hot Spot Attending work
Sonkhar-Trombay	19/10/2014	14.59	19/10/2014	18.41	Hot Spot Attending work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Padgha - Kharghar	18/10/2014	06.22	18/10/2014	10.55	Hot Spot Work.
Parli-Lonikand -I	18/10/2014	09.26	18/10/2014	14.57	hot spot
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chinchwad - Hinjewadi	18/10/2014	09.33	18/10/2014	16.13	HT to control urse - chinchwad
Pedambe -Nerale	18/10/2014	17.15	18/10/2014	18.10	sparking observed on bus
Pedambe - bus 2	18/10/2014	17.15	18/10/2014	17.52	sparking observed on bus
Pedambe - Adlab	18/10/2014	17.15	18/10/2014	18.11	sparking observed on bus
Pedambe - Oni	18/10/2014	17.15	18/10/2014	18.30	sparking observed on bus
Babaleshwar - Ranjangaon	18/10/2014	17.33	18/10/2014	21.17	control ict loading
Chinchwad - Hinjewadi	19/10/2014	09.12	19/10/2014	16.14	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol - New Koyna - I	18/10/2014	03.32	19/10/2014	09.13	Distance Protection.
Deepnagar-Tapitatanda	18/10/2014	12.34	19/10/2014	09.28	Conductor Broken between L. no 117 & 118.
New Koyna - Jaigad - II	18/10/2014	17.17	18/10/2014	19.04	distance protection
Karad-Jaigad I	19/10/2014	14.10	19/10/2014	14.15	distance protection
400/220KV 500 MVA ICT I at Kalwa	19/10/2014	18.03	19/10/2014	18.25	NDR due to heavy
400/220KV,500MVA ICT-III At Kalwa.	19/10/2014	18.05	19/10/2014	18.35	NDR due to heavy
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Aarey - Saki - I	11/10/2014	12.39		Continued.	Distance protection

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 18/Oct/2014

Position as on 6.30 Hrs of 19/Oct/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
132/33KV 50MVA T/F I at 220KV Shahada	13/10/2014	01.05	19/10/2014	10.00	Diff Prot.
Dahanu-Versova	18/10/2014	06.14	18/10/2014	15.52	distance protection
Pophali - KDPH	18/10/2014	10.25	18/10/2014	12.30	broken conductor
Oni - Kharepatan	18/10/2014	16.06	18/10/2014	19.15	distance protection
Pedambe - Pophali - II	18/10/2014	16.50	18/10/2014	18.52	y ph current shows zero
Pedambe - Oni	18/10/2014	19.30	19/10/2014	01.10	distance protection
Oni - Kharepatan	18/10/2014	19.30	19/10/2014	01.14	distance protection
Pawas - Newali	18/10/2014	19.30	19/10/2014	19.15	distance protection
Nivali-N'koyna	19/10/2014	16.38	19/10/2014	18.48	emergency outage
Khaparkheda New - Khaparkheda Old - II	19/10/2014	19.57	19/10/2014	21.26	220kv main bus-2 busbar protn.optd.
Voltage Level : 132KV			Outage Type TRIPPED		
Pahur-Pachora	18/10/2014	11.43	18/10/2014	12.14	distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 19/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	130
	620	270
Bhusawal		
Unit 2	210	0
Unit 3	210	130
Unit 4	500	280
Unit 5	500	310
	1420	720
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	170
Unit 7	250	170
	1130	340
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	150
Unit 4	210	160
Unit 5	500	300
Unit 6	500	300
Unit 7	500	300
	2340	1350
Paras		
Unit 3	250	163
Unit 4	250	163
	500	326
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	0
Unit 4	210	210
Unit 5	500	450
	1340	1000
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	460
	852	460
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	
VTRNA	60	64

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	61
BHTGR/VEER	21	
BHIRA T.R.	80	80
RNGR+BHTSA	20	
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	11
GHATGHAR	250	
	611	216
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	1050
WARDHA	405	225
Adani	2640	1851
Other CPPs	300	745
	4545	3871
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	6487
	3455	6487