

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 16/Apr/2016 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	101.262	1557.397	1) Gujrat	-5.513	-74.374
2) Hydro	15.572	184.937	2) Madhya Pradesh	13.715	228.799
3) Gas	10.634	161.763	3) Chattisgarh	7.480	126.230
Total MSPGCL	127.468	1904.097	4) Maharashtra Net	100.758	1659.784
B) 1) APML	65.826	1051.140	5) Goa (Amona)	-0.342	-8.202
2) JSWEL	27.625	423.240	6) TAPS 1&2 Injection	3.489	53.859
3) VIPL	13.260	198.690	7) RGPPL Injection	11.657	186.980
4) RPL(AMT)	16.460	248.704	8) Pench (MS)	0.047	2.284
5) WPCL	4.405	71.932	9) Pench (Excess)	-0.047	-2.284
6) Other IPP	6.731	120.146	Total	131.197	2170.792
C) 1) TPCL Thermal	16.173	256.280	a) Mumbai Schedule	28.862	435.707
2) TPCL Hydro	2.205	50.229	b) Mumbai Drawl	31.430	489.106
3) TPCL Gas	4.124	64.905	c) MSEDCL Bilateral *	28.117	512.249
4) R-INFRA Thermal	6.025	92.956	Include PX	0.000	-57.619
D) STATE			d) Mumbai Bilateral *	28.862	435.707
1) Thermal	257.767	4020.485	Include PX	6.574	107.913
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	17.777	235.166	H) ENERGY CATERED (MUs)		
3) Gas	14.758	226.668	1) MSEDCL	378.161	5919.268
4) Wind	15.000	198.505	2) Mumbai Discoms	59.961	953.482
6) SOLAR	1.619	21.128	TOTAL STATE	438.122	6872.750
TOTAL STATE	306.921	4701.952			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 11 Hrs	B. Day Peak at 16 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 5 Hrs
MSPGCL Thermal	4515	4279	3864	4119
MSPGCL Hydro	1499	621	705	323
MSPGCL Gas	419	421	444	463
MSPGCL Total Generation	6433	5321	5013	4905
Central Sector Receipt	5886	6356	5680	5111
WIND	80	563	967	751
CPP / IPP	5830	5860	5343	5371
SOLAR	194	152	0	0
Exchange with Mumbai	-1482	-1562	-1412	-1012
MSEDCL DEMAND MET	16941	16690	15591	15126
Load Shedding	0	0	0	0
MSEDCL DEMAND	16941	16690	15591	15126
TPCL GENERATION	1119	1068	1056	696
R-INFRA GENERATION	255	255	259	202
MUMBAI DEMAND	2856	2885	2727	1910
STATE DEMAND MET	19797	19575	18318	17036
STATE DEMAND	19797	19575	18318	17036
Frequency (Hz)	49.99	49.90	49.90	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 18.02 Hrs	49.75 Hz at 00.38 Hrs	49.95	0 % of Time(min)

Note : The report is based on Operational Data and is for statistical purpose only.

Shift Engineer

Shift Incharge

Daily and Progressive Generation,Maximum,Minimum for 16/Apr/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	0.00	11.81	0	0
Total	0.00	11.81		
Bhusawal				
Unit 2	3.58	60.68	160	140
Unit 3	4.06	54.65	180	160
Unit 4	10.61	169.61	500	350
Unit 5	10.70	169.22	505	355
Total	28.94	454.16		
Parli				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Total	0.00	0.00		
Chandrapur				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Unit 3	4.63	71.78	201	165
Unit 4	1.84	52.05	187	10
Unit 5	10.07	161.76	435	370
Unit 6	0.00	0.00	0	0
Unit 7	9.82	140.37	445	355
Total	26.36	425.96		
Paras				
Unit 3	5.91	87.82	260	204
Unit 4	5.70	86.86	260	195
Total	11.61	174.68		
Khaparkheda				
Unit 1	3.98	60.94	180	160
Unit 2	3.79	54.08	185	65
Unit 3	4.42	70.37	209	160
Unit 4	4.43	71.55	210	159
Unit 5	10.89	41.71	500	365
Total	27.50	298.65		
Nasik				
Unit 3	2.45	67.28	200	0
Unit 4	4.39	68.77	202	162
Unit 5	0.00	56.09	0	0
Total	6.85	192.14		
Uran				
All Units	10.63	161.76	471	419
Total	10.63	161.76		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.05	2.28	14	0
Total	0.05	2.28		
Koyna				
Stage 1-2	5.08	68.54	515	40
Stage 4	4.17	38.03	504	0
Stage 3	2.38	24.80	160	0
Total	11.64	131.37		
Hydro				
KDPH	0.36	10.38	15	15
VTRNA	0.48	8.03	61	0
TILLARI	0.36	3.10	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.16	2.97	80	0
RNGR+BHTSA	0.21	3.19	11	0
BHANDARDRA	0.00	0.57	0	0
ELDARY	0.00	0.69	0	0
SMLHY_PTN	0.78	13.06	33	32
GHATGHAR	1.59	11.56	250	0
Total	3.93	53.56		
Wind				
Total	15.00	198.50	0	0
Total	15.00	198.50		
CPP				
APML(Mus)	65.83	1051.14	0	0
JSWEL(Mus)	27.62	423.24	0	0
VIPL(Mus)	13.26	198.69	0	0
RPLAMT(Mus)	16.46	248.70	0	0
WPCL(Mus)	4.40	71.93	0	0
Other(Mus)	6.73	120.15	0	0
Total	134.31	2113.85		
SOLAR				
Total	1.62	21.13	0	0
Total	1.62	21.13		
Tata				
Trombay 5	10.48	164.85	489	257
Trombay 6	0.00	0.06	0	0
Trombay 7A	2.61	40.76	120	92
Trombay 7B	1.52	24.15	67	58
Trombay 8	5.69	91.37	246	199
TATA Hydro	2.20	50.23	254	11
Total	22.50	371.41		
R-INFRA				
1-2	6.02	92.96	261	202
Total	6.02	92.96		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Chandrapur 8	0.00	0.00	MSPGCL Thermal	101.26	1557.40	MSPGCL Total	127.47	1904.10
Chandrapur 9	0.00	0.00	MSPGCL Thml+Gas	111.90	1719.16	Koyna 1,2 & 4 Total	9.25	106.58
Koradi 9	0.00	0.00	MSPGCL Hydro	15.57	184.94	State Total	306.92	4701.95
Parli 8	0.00	0.00						

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 16/Apr/2016

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3952	848	445	5245	844	5596	0	5275	5233	-1322	15596	0	15596	2483	18079	49.87
2	3947	555	440	4942	846	5602	0	4909	4948	-1071	15267	0	15267	2230	17497	49.90
3	4064	226	456	4746	770	5499	0	5118	5045	-1024	15036	0	15036	2070	17106	49.95
4	4128	178	438	4744	772	5390	0	4985	5369	-1060	15215	0	15215	1970	17185	49.96
5	4119	323	463	4905	751	5371	0	4838	5111	-1012	15126	0	15126	1910	17036	49.94
6	4127	701	454	5282	655	5428	0	5136	5373	-933	15805	0	15805	1949	17754	49.95
7	4534	409	465	5408	660	5513	3	5390	5067	-814	15837	0	15837	1967	17804	50.01
8	4665	388	453	5506	407	5522	37	5386	5172	-881	15763	0	15763	2063	17826	50.01
9	4685	350	471	5506	190	5546	100	5572	5976	-990	16328	0	16328	2233	18561	49.99
10	4522	628	449	5599	84	5727	155	5836	5962	-1205	16322	0	16322	2546	18868	49.96
11	4515	1499	419	6433	80	5830	194	5932	5886	-1482	16941	0	16941	2856	19797	49.99
12	4526	1208	425	6159	83	5842	215	6164	5989	-1563	16725	0	16725	2932	19657	49.98
13	4550	866	429	5845	96	5818	221	6140	6072	-1582	16470	0	16470	2930	19400	49.97
14	4463	652	449	5564	307	5848	219	6061	5782	-1573	16147	0	16147	2885	19032	49.94
15	4307	818	426	5551	528	5823	192	6093	6011	-1589	16516	0	16516	2900	19416	49.92
16	4279	621	421	5321	563	5860	152	6040	6356	-1562	16690	0	16690	2885	19575	49.90
17	3906	532	421	4859	767	5613	93	5839	6163	-1441	16054	0	16054	2839	18893	49.92
18	3534	427	428	4389	905	5089	35	5565	5869	-1452	14835	0	14835	2755	17590	49.99
19	3522	317	441	4280	1133	4910	3	5391	5256	-1418	14164	0	14164	2642	16806	49.99
20	3864	705	444	5013	967	5343	0	5833	5680	-1412	15591	0	15591	2727	18318	49.90
21	4144	502	449	5095	871	5707	0	5361	5283	-1430	15526	0	15526	2686	18212	49.98
22	4252	1171	440	5863	878	5802	0	4627	4093	-1541	15095	0	15095	2569	17664	49.99
23	4298	973	459	5730	927	5797	0	4642	4470	-1548	15376	7	15383	2487	17870	49.88
24	4359	675	449	5483	916	5831	0	5081	5031	-1525	15736	28	15764	2443	18207	49.90
MUs	101.26	15.57	10.63	127.47	15.00	134.31	1.62	131.21	131.20	-31.43	378.16	0.04	378.20	59.96	438.15	49.95

NOTE : ALL VALUES IN MW

Mumbai Net Exch is shown with reference to MSETCL system and (-) sign indicates MSETCL periphery to Mumbai system.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 16/Apr/2016

Position as on 6.30 Hrs of 17/Apr/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown,(AOH for 06.03.2016 To 04.04.2016) Unit Test synchronised 07.04.2016 (12.03hrs To 12.30hrs)After overhaul	
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refuelling work	
MSPGCL	Koyana Unit 10	80	29/12/2015	08:00		Continued.	Annual Overhaul	
FORCED OUTAGE								
RGPPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No schedule	
MSPGCL	Chandrapur Unit 1	210	28/08/2014	07:15		Continued.	Economic Shutdown.	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
MSPGCL	Parli Unit 3	210	14/06/2015	12.58		Continued.	Water Shortage	
MSPGCL	Parli Unit 6	250	25/06/2015	15.03		Continued.	Water Shortage	
MSPGCL	Parli Unit 4	210	05/07/2015	18.45		Continued.	Water Shortage	
MSPGCL	Parli Unit 5	210	06/07/2015	14.55		Continued.	Water Shortage.	
MSPGCL	Parli Unit 7	250	08/07/2015	12.08		Continued.	Water Shortage	
MSPGCL	Chandrapur Unit-8	500	10/11/2015	12.10		Continued.	Drum level low	
RGPPL	Dabhol 3B	230	07/01/2016	17:51		Continued.	Change Over.	
MSPGCL	Chandrapur Unit 2	210	12/01/2016	04.47		Continued.	Boiler Tube Leakage	
CPP	WPCL U-1	135	16/02/2016	17.09		Continued.	Change Over , No Schedule	
MSPGCL	Koradi Unit 5	200	18/02/2016	11.21		Continued.	MSEDCL Zero Shedule.	
IPP	WPCL U-2	135	29/02/2016	21.46		Continued.	Change over against Unit III	
MSPGCL	Koradi Unit 7	210	01/03/2016	23.55		Continued.	Zero Schedule Given by MSEDCL.	
MSPGCL	Chandrapur Unit 6	500	05/03/2016	10.15		Continued.	Turbine bearing Vabration high	
MSPGCL	Koyana Unit 11	80	11/03/2016	13.53		Continued.	stator earth fault	
RINFRA-G	REL Unit 2	250	18/03/2016	08.39		Continued.	Stator Earth Fault	
MSPGCL	Koradi Unit 9	660	21/03/2016	00.47		Continued.	Ash Evacuation problem	
IPP	RPL(AMT) U-5	270	03/04/2016	00.00		Continued.	Zero Shedule By MSEDCL.	
RGPPL	Dabhol 2B	230	07/04/2016	14.02		Continued.	P.M.Work	
IPP	RPL(AMT) U-4	270	08/04/2016	04.02		Continued.	Zero Schedule by MSEDCL.	
MSPGCL	Uran Unit 8	108	08/04/2016	08.40		Continued.	Gas shortage	
MSPGCL	Koradi Unit-8	660	14/04/2016	20.48	17/04/2016	02.23	Generator Protection operated	
MSPGCL	Nasik Unit 5	210	15/04/2016	00.00		Continued.	zero schedule	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 16/Apr/2016

Position as on 6.30 Hrs of 17/Apr/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Chandrapur Unit 4	210	16/04/2016	08.58	16/04/2016	22.04	Damper Tank Oil Level Low.	
MSPGCL	Nasik Unit 3	210	16/04/2016	13.50	17/04/2016	21.25	Cooling Water System Fail.	
TPC-G	Trombay 5	500	16/04/2016	22.00	17/04/2016	19.45	Load Restricted Up To 210Mw Due To CTL	
MSPGCL	Bhusawal Unit 4	500	17/04/2016	13.49	17/04/2016	20.58	Flame Failure	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Apr/2016

Statement-VII

Position as on 6.30 Hrs of 17/Apr/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar I	InterState	15/04/2016	18.06	17/04/2016	02.10	HT	Over Voltage
Karad Solapur (PG)	InterState	16/04/2016	06.20	16/04/2016	11.41	T	Distance Protection
Kolhapur Solapur (PG) II	InterState	16/04/2016	21.38	17/04/2016	07.01	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	17/04/2016	02.18		Continued.	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	17/04/2016	18.07		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-II	IntraState	04/04/2016	17.27		Continued.	HT	Change Over
karad -kolhapur-I	IntraState	15/04/2016	17.16	16/04/2016	08.21	HT	Over Voltage
Karad - Jaigad - II	IntraState	15/04/2016	17.49	16/04/2016	07.18	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	15/04/2016	20.25	16/04/2016	07.59	HT	Over Voltage
Parly(MS)- Nanded	IntraState	16/04/2016	09.51	16/04/2016	19.11	PO	Replacement work
karad -kolhapur-II	IntraState	16/04/2016	16.29	17/04/2016	06.44	HT	Over Voltage
Jaigad-Karad Ckt-I	IntraState	16/04/2016	16.44	17/04/2016	07.24	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	16/04/2016	20.16	17/04/2016	07.56	HT	Over Voltage
karad -kolhapur-I	IntraState	17/04/2016	16.02		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	17/04/2016	16.10		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	17/04/2016	16.50		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/132 Kv 200 Mva Ict 2 @Khadka	IntraState	16/04/2016	08.07	16/04/2016	22.05	PO	Testing Work
220 KV LINE Outages/Trippings							
Nasik Navsari I	InterState	10/04/2016	11.25		Continued.	HT	To control Load of Bus Coupler
Borivali - Tarapur	InterState	17/04/2016	12.27	17/04/2016	14.26	T	Distance Protection
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Chandrapur GCR - Wani	IntraState	05/04/2015	09.15		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
GIS Bhandup - Borivali	IntraState	11/01/2016	07.42		Continued.	PO	Tower Erection Work.
Padghe - Vasai	IntraState	24/01/2016	08.32		Continued.	PO	For Formation of Temp. Padgha-Borivali (Charge upto 51/1).
Bableshtar- Ranjangaon	IntraState	03/02/2016	07.12		Continued.	HT	To Control BBLSR ICT O/L
Bableshtar- Alephata	IntraState	19/03/2016	19.44		Continued.	HT	To control BBLSR ICT Loading
Pedambe-Nerle	IntraState	11/04/2016	13.10		Continued.	PO	CT Oil Leakage
Niwali - Pawas Line	IntraState	16/04/2016	06.32	16/04/2016	14.02	T	Distance Protection
Mumewadi -Halkarni I	IntraState	16/04/2016	09.03	16/04/2016	12.58	PO	Testing Work
Osmanabad - Solapur (Bale)	IntraState	16/04/2016	10.12	16/04/2016	15.17	PO	MISD Span Conductor Joint Work.
Osmanabad - Barshi	IntraState	16/04/2016	12.23	16/04/2016	13.02	T	Distance Protection
Tata Borivli MSETCL Borivli 4	IntraState	16/04/2016	15.15	16/04/2016	15.33	HT	Cheking 220KV Kalwa-Borivali Line
Tata Borivli MSETCL Borivli 5	IntraState	16/04/2016	15.26	16/04/2016	15.33	HT	Cheking 220KV Kalwa-Borivali Line
Kamba-Borivali	IntraState	17/04/2016	07.22	17/04/2016	18.06	PO	Bay Shifting work at Borivali
Borivali - Ghodbunder	IntraState	17/04/2016	12.40	17/04/2016	13.07	T	Distance Protection
Boisar(M) - Ghodbunder	IntraState	17/04/2016	12.41	17/04/2016	13.44	T	Distance Protection
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Failed on internal Fault(Now repaired and ready for

HT : Hand Tripping, MT : Multiple Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage, OO : Opportunity Outage

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Apr/2016

Statement-VII

Position as on 6.30 Hrs of 17/Apr/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							commissioning)
220/132 Kv 200 Mva Vijai Ict 1 @Babhleshwar	IntraState	16/04/2016	07.05	16/04/2016	10.50	PO	Diagnostic Testing Work.
220/33 Kv 50 Mva Bhel Ptr 1 @Babhleshwar	IntraState	16/04/2016	10.40	16/04/2016	13.50	PO	Testing Work
132 KV LINE Outages/Trippings							
Waluj Bajaj-I	IntraState	17/04/2016	03.50	17/04/2016	05.13	T	Distance Protection
Waluj - Bajaj-I	IntraState	17/04/2016	03.50	17/04/2016	06.32	T	Distance Protection
100 KV LINE Outages/Trippings							
Kalwa-Kalyan	IntraState	16/04/2016	10.42	16/04/2016	10.52	T	Distance Protection

HT : Hand Tripping, MT : Multiple Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage, OO : Opportunity Outage