

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 12/Apr/2016 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	94.371	1161.707	1) Gujrat	-5.396	-54.348
2) Hydro	20.799	135.556	2) Madhya Pradesh	15.320	168.738
3) Gas	10.559	120.418	3) Chattisgarh	8.770	93.970
Total MSPGCL	125.729	1417.681	4) Maharashtra Net	112.146	1225.032
B) 1) APMIL	66.390	786.354	5) Goa (Amona)	-0.648	-6.222
2) JSWEL	27.398	312.576	6) TAPS 1&2 Injection	3.672	44.089
3) VIPL	10.350	158.815	7) RGPPL Injection	11.610	140.299
4) RPL(AMT)	12.841	184.850	8) Pench (MS)	0.107	1.976
5) WPCL	4.561	53.954	9) Pench (Excess)	-0.107	-1.976
6) Other IPP	6.727	92.207	Total	145.367	1609.582
C) 1) TPCL Thermal	17.318	189.441	a) Mumbai Schedule	28.698	321.261
2) TPCL Hydro	4.303	37.925	b) Mumbai Drawl	32.288	362.006
3) TPCL Gas	4.188	48.695	c) MSEDCL Bilateral *	36.025	381.759
4) R-INFRA Thermal	6.167	69.126	Include PX	-1.268	-48.368
D) STATE			d) Mumbai Bilateral *	28.698	321.261
1) Thermal	246.123	3009.030	Include PX	7.656	67.796
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	25.102	173.481	H) ENERGY CATERED (MUs)		
3) Gas	14.747	169.113	1) MSEDCL	381.891	4411.554
4) Wind	13.431	142.230	2) Mumbai Discoms	64.264	707.195
6) SOLAR	1.385	15.311	TOTAL STATE	446.155	5118.749
TOTAL STATE	300.788	3509.165			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 12 Hrs	B. Day Peak at 16 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	4066	4003	3796	3716
MSPGCL Hydro	1915	1361	852	155
MSPGCL Gas	431	420	432	451
MSPGCL Total Generation	6412	5784	5080	4322
Central Sector Receipt	6519	6940	6812	5047
WIND	195	424	726	747
CPP / IPP	5210	5223	5301	5477
SOLAR	200	118	0	0
Exchange with Mumbai	-1654	-1665	-1429	-907
MSEDCL DEMAND MET	16882	16824	16490	14686
Load Shedding	0	101	0	0
MSEDCL DEMAND	16882	16925	16490	14686
TPCL GENERATION	1316	1308	1206	902
R-INFRA GENERATION	252	253	259	258
MUMBAI DEMAND	3222	3226	2894	2067
STATE DEMAND MET	20104	20050	19384	16753
STATE DEMAND	20104	20151	19384	16753
Frequency (Hz)	50.02	49.97	49.94	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 17.02 Hrs	49.73 Hz at 22.36 Hrs	49.97	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 12/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	0.68	0.68	133	0
Total	0.68	0.68		
Bhusawal				
Unit 2	3.81	46.02	165	155
Unit 3	1.24	45.88	180	0
Unit 4	9.25	128.00	500	0
Unit 5	9.37	126.88	510	0
Total	23.67	346.78		
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	4.60	53.65	199	174
Unit 4	0.29	47.80	194	0
Unit 5	10.14	121.11	445	320
Unit 6	0.00	0.00	0	0
Unit 7	10.49	99.86	450	420
Total	25.52	322.42		
Paras				
Unit 3	6.08	69.96	262	247
Unit 4	6.06	69.34	258	250
Total	12.15	139.30		
Khaparkheda				
Unit 1	4.24	40.98	180	170
Unit 2	4.12	48.94	180	135
Unit 3	4.80	52.68	205	193
Unit 4	4.62	54.12	210	175
Unit 5	0.56	0.56	222	0
Total	18.33	197.28		
Nasik				
Unit 3	4.74	51.96	205	165
Unit 4	4.64	51.52	200	162
Unit 5	4.64	51.77	200	168
Total	14.02	155.25		
Uran				
All Units	10.56	120.42	476	419
Total	10.56	120.42		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.11	1.98	25	0
Total	0.11	1.98		
Koyna				
Stage 1-2	6.75	51.62	515	40
Stage 4	7.13	27.47	900	0
Stage 3	3.10	17.43	160	0
Total	16.98	96.52		
Hydro				
KDPH	0.72	8.12	30	30
VTRNA	0.60	6.15	61	0
TILLARI	0.12	1.84	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.21	2.24	80	0
RNGR+BHTSA	0.00	2.38	0	0
BHANDARDRA	0.00	0.57	0	0
ELDARY	0.00	0.69	0	0
SMLHY_PTN	0.92	10.18	39	38
GHATGHAR	1.25	6.87	250	0
Total	3.82	39.03		
Wind				
Total	13.43	142.23	0	0
Total	13.43	142.23		
CPP				
APML(Mus)	66.39	786.35	0	0
JSWEL(Mus)	27.40	312.58	0	0
VIPL(Mus)	10.35	158.82	0	0
RPLAMT(Mus)	12.84	184.85	0	0
WPCL(Mus)	4.56	53.95	0	0
Other(Mus)	6.73	92.21	0	0
Total	128.27	1588.76		
SOLAR				
Total	1.38	15.31	0	0
Total	1.38	15.31		
Tata				
Trombay 5	11.45	120.98	490	448
Trombay 6	0.00	0.06	0	0
Trombay 7A	2.66	30.53	115	92
Trombay 7B	1.53	18.17	65	58
Trombay 8	5.87	68.40	246	242
TATA Hydro	4.30	37.92	459	0
Total	25.81	276.06		
R-INFRA				
1-2	6.17	69.13	260	252
Total	6.17	69.13		

* 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	94.37	1161.71	MSPGCL Total	125.73	1417.68
Chandrapur 9	0.00	0.00	MSPGCL Thml+Gas	104.93	1282.12	Koyna 1,2 & 4 Total	13.88	79.10
Koradi 9	0.00	0.00	MSPGCL Hydro	20.80	135.56	State Total	300.79	3509.16
Parli 8	0.00	0.00						

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 12/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	3914	999	452	5365	757	5573	0	5676	5310	-1316	15689	0	15689	2474	18163	49.97
2	3807	412	461	4680	752	5487	0	5570	5274	-1102	15091	0	15091	2261	17352	49.95
3	3716	155	451	4322	747	5477	0	5551	5047	-907	14686	0	14686	2067	16753	49.94
4	3799	108	459	4366	773	5495	0	5437	5044	-812	14866	0	14866	1975	16841	49.95
5	3808	113	449	4370	731	5382	0	5409	5270	-795	14958	0	14958	1926	16884	49.94
6	3857	208	465	4530	720	5335	0	5472	5538	-832	15291	0	15291	1994	17285	49.95
7	4028	828	450	5306	704	5465	4	5527	5401	-878	16002	0	16002	2051	18053	49.99
8	4025	809	440	5274	524	5452	32	5621	5599	-1005	15876	2	15878	2177	18055	50.00
9	4041	728	476	5245	416	5461	95	5894	6138	-1294	16061	0	16061	2505	18566	50.00
10	4044	1124	433	5601	369	5455	131	6086	6414	-1485	16485	0	16485	2847	19332	50.03
11	4048	1645	438	6131	262	5365	166	6140	6440	-1497	16867	0	16867	3102	19969	50.04
12	4066	1915	431	6412	195	5210	200	6255	6519	-1654	16882	0	16882	3222	20104	50.02
13	4055	1749	421	6225	151	5170	193	6247	6079	-1688	16130	0	16130	3231	19361	50.01
14	4067	1373	420	5860	253	5186	173	6193	6536	-1621	16387	0	16387	3147	19534	50.00
15	4095	1286	420	5801	267	5204	161	6224	6725	-1690	16468	0	16468	3210	19678	49.98
16	4003	1361	420	5784	424	5223	118	6224	6940	-1665	16824	101	16925	3226	20151	49.97
17	3609	857	419	4885	545	5209	75	6161	7040	-1595	16159	429	16588	3170	19758	49.99
18	3675	344	437	4456	606	5214	31	6224	6506	-1656	15157	388	15545	3084	18629	50.01
19	3706	425	433	4564	667	5212	6	6101	6287	-1471	15265	0	15265	2869	18134	49.99
20	3796	852	432	5080	726	5301	0	6237	6812	-1429	16490	0	16490	2894	19384	49.94
21	3954	998	429	5381	651	5355	0	6158	6423	-1419	16391	0	16391	2771	19162	49.95
22	4092	620	428	5140	700	5344	0	5755	5820	-1484	15520	0	15520	2722	18242	49.93
23	4104	944	452	5500	771	5332	0	5507	6254	-1500	16357	0	16357	2684	19041	49.90
24	4062	946	443	5451	720	5360	0	5905	5951	-1493	15989	0	15989	2655	18644	49.94
MUs	94.37	20.80	10.56	125.73	13.43	128.27	1.39	141.57	145.37	-32.29	381.89	0.92	382.81	64.26	447.08	49.97

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 12/Apr/2016

Position as on 6.30 Hrs of 13/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	Koyna Unit 10	80	29/12/2015	08:00		Continued.	Annual Overhaul	
MSPGCL	Khaparkheda Unit 5	500	15/03/2016	01.12	12/04/2016	20.39	Annual Overhaul	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPL	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	
RGPL	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	Koradi Unit-8	660	10/03/2016	12.30	12/04/2016	14.13	Ash Evacuation problem	
MSPGCL	Koyna 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	
IPP	RPL(AMT) U-1	270	20/03/2016	00.00	13/04/2016	05.23	Zero schedule by MSEDCL	
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.	
RGPL	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.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 12/Apr/2016

Position as on 6.30 Hrs of 13/Apr/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Uran Unit 8	108	08/04/2016	08.40		Continued.	Gas shortage	
MSPGCL	Bhusawal Unit 5	500	11/04/2016	21.31	12/04/2016	03.22	Boiler Feed Pump Tripped	
MSPGCL	Chandrapur Unit 4	210	12/04/2016	01.28		Continued.	Boiler Tube Leakage	
MSPGCL	Bhusawal Unit 3	210	12/04/2016	07.13		Continued.	Boiler Tube Leakage	
IPP	VIPL U-1	300	12/04/2016	11.00		Continued.	Boiler Tube Leakage	
MSPGCL	Koradi Unit-8	660	12/04/2016	14.55	12/04/2016	16.44	While Change Over from Auto to Manual.	
MSPGCL	Bhusawal Unit 4	500	12/04/2016	15.44	12/04/2016	19.17	Flame Failure	
MSPGCL	Koradi Unit-8	660	12/04/2016	22.30		Continued.	Boiler Feed Pump Problem.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Apr/2016

Statement-VII

Position as on 6.30 Hrs of 13/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	11/04/2016	18.01	12/04/2016	08.43	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	12/04/2016	18.06		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-II	IntraState	04/04/2016	17.27		Continued.	HT	Change Over
Karad - Jaigad - II	IntraState	11/04/2016	18.10	12/04/2016	08.47	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	11/04/2016	20.55	12/04/2016	07.15	HT	Over Voltage
karad -kolhapur-II	IntraState	11/04/2016	20.57	12/04/2016	08.44	EO	To attend Hot Spot
N.Koyna-Karad -Ckt II	IntraState	12/04/2016	16.38		Continued.	T	Bus-I Operated R Pole Breaker of Kolhapur-I Burst @ Karad.
Karad - Jaigad - II	IntraState	12/04/2016	16.38		Continued.	T	Bus-I Operated R Pole Breaker of Kolhapur-I Burst @ Karad.
karad -kolhapur-I	IntraState	12/04/2016	16.38		Continued.	T	Bus-I Operated R Pole Breaker of Kolhapur-I Burst @ Karad.
400 KV ICT Outages/Trippings							
400/220kv 315 Mva ICT I @Karad	IntraState	12/04/2016	16.38	12/04/2016	17.12	T	Bus-I Operated R Pole Breaker of Kolhapur-I Burst @ Karad.
220 KV LINE Outages/Trippings							
Nasik Navsari I	InterState	10/04/2016	11.25		Continued.	HT	To control Load of Bus Coupler
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.
Kalwa - Borivali	IntraState	10/01/2016	09:15		Continued.	PO	Tower Erection Work.
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
Nigade- Peth Line	IntraState	12/04/2016	09.18	12/04/2016	12.28	PO	P.M.Work.
Kalwa-Salsette-VI	IntraState	12/04/2016	09.20	12/04/2016	20.51	HT	To Control Salsette-Borivali Line Loading.
Mahad-Kandalgaon	IntraState	12/04/2016	09.20	12/04/2016	11.35	EO	Attending Hot Spot
Parli 3 (Old Gcr)-Osmanabad	IntraState	12/04/2016	09.25	12/04/2016	15.25	PO	Maintaining Ground Clearance.
Chalargaon-Malegaon	IntraState	12/04/2016	11.20	12/04/2016	14.21	PO	On TBC Main Breaker Work.
Mururd - Tuljapur	IntraState	12/04/2016	14.54	12/04/2016	18.01	PO	Increasing Conductor Height due to SAG.
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 commissioning)
220/132 Kv 100 Mva Ict 1 @Tuljapur	IntraState	12/04/2016	08.29	12/04/2016	12.01	PO	Routine Maintenance Work
132 KV LINE Outages/Trippings							
Nanded - Jangamwadi II	IntraState	12/04/2016	14.29	12/04/2016	14.53	T	Distance Protection

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