

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 05/Feb/2016 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	97.574	506.264	1) Gujrat	-2.428	-10.894
2) Hydro	6.215	33.072	2) Madhya Pradesh	8.726	39.908
3) Gas	7.366	48.245	3) Chattisgarh	4.960	23.630
Total MSPGCL	111.155	587.581	4) Maharashtra Net	79.778	382.073
B) 1) APML	61.910	311.532	5) Goa (Amona)	-0.428	-2.504
2) JSWEL	23.532	120.415	6) TAPS 1&2 Injection	3.725	18.631
3) VIPL	10.909	54.397	7) RGPPL Injection	11.720	58.491
4) RPL(AMT)	24.249	120.592	8) Pench (MS)	0.436	2.701
5) WPCL	4.607	21.716	9) Pench (Excess)	-0.436	-2.637
6) Other IPP	9.398	48.725	Total	105.617	506.698
C) 1) TPCL Thermal	5.476	27.203	a) Mumbai Schedule	19.035	93.727
2) TPCL Hydro	4.930	24.102	b) Mumbai Drawl	25.530	127.443
3) TPCL Gas	3.093	17.434	c) MSEDCL Bilateral *	28.121	140.603
4) R-INFRA Thermal	10.847	55.084	Include PX	-3.527	-16.841
D) STATE			d) Mumbai Bilateral *	19.035	93.727
1) Thermal	248.502	1265.928	Include PX	1.660	9.620
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	11.145	57.174	H) ENERGY CATERED (MUs)		
3) Gas	10.459	65.679	1) MSEDCL	332.202	1676.818
4) Wind	5.115	26.211	2) Mumbai Discoms	49.874	251.265
6) SOLAR	1.240	6.394	TOTAL STATE	382.076	1928.083
TOTAL STATE	276.461	1421.386			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 9 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4649	4282	3914	3836
MSPGCL Hydro	143	249	798	95
MSPGCL Gas	309	296	306	311
MSPGCL Total Generation	5101	4827	5018	4242
Central Sector Receipt	4995	4909	5247	3194
WIND	279	195	191	220
CPP / IPP	6416	5981	5338	5218
SOLAR	49	182	0	0
Exchange with Mumbai	-865	-1260	-1447	-629
MSEDCL DEMAND MET	15975	14834	14347	12245
Load Shedding	7	7	4	4
MSEDCL DEMAND	15982	14841	14351	12249
TPCL GENERATION	755	831	620	312
R-INFRA GENERATION	517	518	404	400
MUMBAI DEMAND	2137	2609	2471	1341
STATE DEMAND MET	18112	17443	16818	13586
STATE DEMAND	18119	17450	16822	13590
Frequency (Hz)	49.95	49.93	49.98	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 16.01 Hrs	49.77 Hz at 05.38 Hrs	49.96	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 05/Feb/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.69	18.14	160	144
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	0.00	26.29	0	0
Total	3.69	44.43		
Bhusawal				
Unit 2	4.01	20.27	185	155
Unit 3	4.02	20.04	175	160
Unit 4	9.12	45.42	500	355
Unit 5	9.28	46.28	505	360
Total	26.44	132.02		
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	4.28	20.96	200	165
Unit 4	3.96	20.63	179	151
Unit 5	9.19	46.36	460	350
Unit 6	9.43	47.70	415	365
Unit 7	0.00	0.00	0	0
Total	26.86	135.66		
Paras				
Unit 3	4.95	19.88	245	181
Unit 4	5.04	25.55	260	187
Total	9.99	45.43		
Khaparkheda				
Unit 1	3.90	19.20	190	155
Unit 2	3.94	15.73	195	155
Unit 3	0.31	4.24	118	0
Unit 4	3.82	18.45	192	138
Unit 5	10.16	50.01	500	360
Total	22.14	107.63		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	4.11	20.34	189	157
Unit 5	4.35	20.76	197	155
Total	8.46	41.10		
Uran				
All Units	7.37	48.24	331	286
Total	7.37	48.24		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.44	2.70	49	0
Total	0.44	2.70		
Koyna				
Stage 1-2	2.14	10.86	340	35
Stage 4	0.62	1.58	254	0
Stage 3	0.89	3.49	160	0
Total	3.65	15.93		
Hydro				
KDPH	0.00	1.72	0	0
VTRNA	0.00	0.28	0	0
TILLARI	0.18	0.49	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.30	1.54	40	0
RNGR+BHTSA	0.25	1.29	11	10
BHANDARDRA	0.48	1.91	38	10
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.68	2.91	29	28
GHATGHAR	0.67	7.02	210	0
Total	2.57	17.14		
Wind				
Total	5.12	26.21	0	0
Total	5.12	26.21		
CPP				
APML(Mus)	61.91	311.53	0	0
JSWEL(Mus)	23.53	120.42	0	0
VIPL(Mus)	10.91	54.40	0	0
RPLAMT(Mus)	24.25	120.59	0	0
WPCL(Mus)	4.61	21.72	0	0
Other(Mus)	9.40	48.72	0	0
Total	134.60	677.38		
SOLAR				
Total	1.24	6.39	0	0
Total	1.24	6.39		
Tata				
Trombay 5	0.00	0.00	0	0
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.81	10.48	115	59
Trombay 7B	1.28	6.95	68	47
Trombay 8	5.48	27.20	242	202
TATA Hydro	4.93	24.10	437	0
Total	13.50	68.74		
R-INFRA				
1-2	10.85	55.08	519	400
Total	10.85	55.08		

Infirm Power	Chandrapur 8	0.00	Koradi 9	0.00
---------------------	--------------	------	----------	------

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	97.57	506.26
MSPGCL Thml+Gas	104.94	554.51

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	6.22	33.07
MSPGCL Total	111.16	587.58

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.76	12.44
State Total	276.46	1421.39

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 05/Feb/2016

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	3858	244	320	4422	235	5219	0	3509	3441	-856	12461	4	12465	1564	14029	49.98
2	3842	162	311	4315	187	5227	0	3420	3706	-740	12695	4	12699	1452	14151	49.97
3	3797	95	311	4203	185	5211	0	3331	3359	-675	12283	4	12287	1386	13673	49.98
4	3836	95	311	4242	220	5218	0	3305	3194	-629	12245	4	12249	1341	13590	49.97
5	3854	90	323	4267	245	5224	0	3321	3516	-646	12606	4	12610	1355	13965	49.96
6	3902	125	314	4341	248	5279	0	3966	3991	-772	13087	7	13094	1482	14576	49.93
7	4063	140	331	4534	287	5714	0	4702	4966	-953	14548	7	14555	1700	16255	49.94
8	4563	330	316	5209	306	6201	9	4889	4752	-787	15690	7	15697	1844	17541	49.91
9	4649	143	309	5101	279	6416	49	4898	4995	-865	15975	7	15982	2137	18119	49.95
10	4707	249	304	5260	285	6433	120	4993	4648	-1072	15674	7	15681	2419	18100	49.94
11	4416	384	306	5106	265	6147	151	5099	4975	-1246	15398	7	15405	2587	17992	49.91
12	4285	379	299	4963	270	6079	171	5134	5031	-1260	15254	7	15261	2612	17873	49.94
13	4282	249	296	4827	195	5981	182	4986	4909	-1260	14834	7	14841	2609	17450	49.93
14	4113	188	287	4588	187	5937	180	4868	4639	-1114	14417	7	14424	2456	16880	49.95
15	4037	138	296	4471	208	5796	151	4868	4689	-1125	14190	4	14194	2463	16657	49.96
16	4014	138	304	4456	182	5763	130	4868	4870	-1095	14306	4	14310	2468	16778	49.95
17	3917	180	286	4383	188	5569	74	4853	4738	-1228	13724	4	13728	2487	16215	49.97
18	3920	236	305	4461	164	5322	22	4319	4322	-1300	12991	4	12995	2458	15453	49.99
19	3930	360	305	4595	160	5349	1	4360	4566	-1353	13318	4	13322	2444	15766	49.97
20	3914	798	306	5018	191	5338	0	4756	5247	-1447	14347	4	14351	2471	16822	49.98
21	3909	418	304	4631	142	5332	0	4726	5098	-1460	13743	4	13747	2288	16035	49.97
22	3902	281	308	4491	155	5330	0	4092	4509	-1397	13088	4	13092	2145	15237	50.00
23	3915	550	307	4772	194	5297	0	3352	3747	-1198	12812	4	12816	1943	14759	49.96
24	3948	243	307	4498	137	5222	0	3281	3708	-1052	12513	4	12517	1765	14282	49.97
MUs	97.57	6.22	7.37	111.15	5.11	134.61	1.24	103.90	105.62	-25.53	332.20	0.12	332.32	49.88	382.20	49.96

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 05/Feb/2016

Position as on 6.30 Hrs of 06/Feb/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
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	
TPC-G	Trombay 5	500	26/01/2016	21.55		Continued.	Boiler Maintenance work	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 3A	230	06/06/2013	08.28		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	
RGPL	Dabhol 2X	290	15/07/2013	15.09		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	
IPP	WPCL U-2	135	16/06/2015	00.00		Continued.	No Schdule	
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	
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown	
MSPGCL	Chandrapur Unit-8	500	10/11/2015	12.10		Continued.	Drum level low	
CPP	WPCL U-1	135	07/01/2016	02.00		Continued.	Withdrawn, changeover to Unit-3	
MSPGCL	Chandrapur Unit 2	210	12/01/2016	04.47		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit 5	108	19/01/2016	14.34		Continued.	Overhauling	
MSPGCL	Uran Unit 6	108	23/01/2016	21.16		Continued.	Gas shortage	
MSPGCL	Chandrapur Unit 7	500	28/01/2016	22.50		Continued.	Boiler Tube Leakage	
MSPGCL	Nasik Unit 3	210	30/01/2016	00.02	06/02/2016	06.35	MSEDCL Zero Shedule.	
MSPGCL	Koradi Unit 7	210	30/01/2016	00.12		Continued.	MSEDCL Zero Shedule.	
MSPGCL	Khaparkheda Unit 3	210	02/02/2016	00.18	05/02/2016	20.13	To Attend Bottom Ash Hopper Leakage.	
MSPGCL	Koradi Unit-8	660	03/02/2016	04.28		Continued.	Superheater Temp.High	
MSPGCL	Uran Unit A0	120	04/02/2016	08.48		Continued.	Gas shortage	
MSPGCL	Uran Unit 6	108	04/02/2016	09.02		Continued.	Gas shortage	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Feb/2016

Statement-VII

Position as on 6.30 Hrs of 06/Feb/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							
Kolhapur Solapur (PG) II	InterState	04/02/2016	16.55	05/02/2016	06.15	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	04/02/2016	17.31	05/02/2016	05.58	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	05/02/2016	16.50	06/02/2016	06.40	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	05/02/2016	20.10		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	31/12/2015	18.16		Continued.	HT	Change over
Babhaleshwar-Taptitanda ckt-I	IntraState	23/01/2016	07.21		Continued.	PO	Change Over.
Lonikand I - Koyna stage-IV	IntraState	31/01/2016	17.08		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	04/02/2016	16.13	05/02/2016	09.15	HT	Over Voltage
Karad - Jaigad - II	IntraState	04/02/2016	16.59	05/02/2016	09.18	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	04/02/2016	17.01	05/02/2016	07.14	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	05/02/2016	06.35		Continued.	PO	Insulator String Replacement Work.
Bus Coupler @ New Koyna	IntraState	05/02/2016	09.46	05/02/2016	18.08	EO	To Attend Oil Leakage of Breaker.
Koradi-India Bulls	IntraState	05/02/2016	11.42	05/02/2016	16.59	PO	Shifted on TBC TO Attend Sparking on Y Ph PG Isolator.
karad -kolhapur-I	IntraState	05/02/2016	16.15		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	05/02/2016	16.19		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	05/02/2016	17.04		Continued.	HT	Over Voltage
Babhaleshwar - Padghe-II	IntraState	06/02/2016	04.33		Continued.	T	Distance Protection
400 KV ICT Outages/Trippings							
400/220kv 315MVA ICT-III @Talegaon(PG)	InterState	22/11/2015	17.10		Continued.	PO	Annual Maintenance Work
400/220kv, 500 MVA ICT-II @Deepnagar	IntraState	05/02/2016	09.22	05/02/2016	16.20	PO	Routine Maintenance Work
220 KV LINE Outages/Trippings							
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).
Topworth - Kharghar	IntraState	30/01/2016	09.27		Continued.	PO	Repl.of Old damaged Tower
Babhaleshwar- Alephata	IntraState	03/02/2016	06.28		Continued.	HT	controlling bblsr ICT Overloading
Babhaleshwar- Ranjangaon	IntraState	03/02/2016	07.12		Continued.	HT	controlling bblsr ICT Overloading
Lamboti-Vita	IntraState	04/02/2016	18.44		Continued.	PO	Jumpering work(Trial taken at 20.28Hrs , Tripped on D/P)After opening of Jumpers Lamboti-Khanapur-karkamb line charged at 00.26Hrs/5-2-2016.
Vsnl-512 Khadki	IntraState	05/02/2016	00.15	05/02/2016	00.37	T	Distance Protection
512 Khadki- Century Enka	IntraState	05/02/2016	00.15	05/02/2016	00.37	T	Distance Protection
Padgha - Temghar I	IntraState	05/02/2016	09.10	05/02/2016	19.14	PO	To Avail Bus Section Outage @ Temghar.
Padgha-Temghar-II	IntraState	05/02/2016	09.10	05/02/2016	19.12	PO	To Avail Bus Section Outage @ Temghar.
Temghar - Kalwa	IntraState	05/02/2016	09.12	05/02/2016	18.45	PO	To Avail Bus Section Outage @ Temghar.
Padghe - Jambhul 1	IntraState	05/02/2016	09.47	05/02/2016	16.21	PO	Hot Spot Attending & Diagnostic

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 05/Feb/2016

Statement-VII

Position as on 6.30 Hrs of 06/Feb/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							Testing.
Uran - Apta IV	IntraState	05/02/2016	11.15	05/02/2016	16.11	PO	To Remove Plastic from Line & Maintenance.
Tata Borivli MSETCL Borivli 5	IntraState	05/02/2016	11.42	05/02/2016	13.48	PO	To Attend Gas Leakage from R Pole of Breaker.
Ongc Uran - Jnpt	IntraState	05/02/2016	11.42	05/02/2016	17.35	PO	Diagnostic Testing.
Karad - Vita Ckt- II	IntraState	05/02/2016	13.32	05/02/2016	16.31	PO	Replacement of Power Card of Distance Relay.
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)