

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 24/Mar/2017 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	136.738	3051.632	1) Gujrat	-6.395	-13.099
2) Hydro	18.302	293.576	2) Madhya Pradesh	15.199	346.742
3) Gas	10.433	249.516	3) Chattisgarh	9.330	202.540
Total MSPGCL	165.473	3594.724	4) Maharashtra Net	135.384	3102.245
B) 1) APML	74.139	1722.790	5) Goa (Amona)	-0.792	-16.240
2) JSWEL	17.735	398.473	Total	152.726	3622.188
3) VIPL	14.079	218.736	a) Mumbai Schedule	22.391	478.687
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	25.812	539.352
5) WPCL	1.665	72.239	c) MSEDCL Bilateral *	32.249	840.280
6) PGPL	0.000	0.000	Include PX	4.243	166.314
7) Other IPP	5.781	142.614	d) Mumbai Bilateral *	22.391	478.687
C) 1) TPCL Thermal	14.905	341.417	Include PX	3.311	136.533
2) TPCL Hydro	4.850	93.799	Include Standby	0.000	0.000
3) TPCL Gas	4.464	106.946	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.893	249.791	1) MSEDCL	412.895	9456.127
D) STATE			2) Mumbai Discoms	60.924	1331.296
1) Thermal	275.935	6197.692	TOTAL STATE	473.819	10787.423
(A1+C1+C4+(B1-B6))					
2) Hydro	23.152	387.375			
(A2+C2)					
3) Gas	14.897	356.462			
(A3+B6+C3)					
4) Wind	5.815	190.164			
6) SOLAR	1.294	33.551			
TOTAL STATE	321.093	7165.244			

* 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 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5755	5731	5498	5359
MSPGCL Hydro	1592	1768	758	123
MSPGCL Gas	424	429	424	438
MSPGCL Total Generation	7771	7928	6680	5920
Central Sector Receipt	6995	6723	6374	5711
WIND	41	64	247	548
CPP / IPP Thermal	4768	4776	4780	4740
CPP / IPP Gas	0	0	0	0
SOLAR	180	185	0	0
Exchange with Mumbai	-1369	-1297	-1426	-713
MSEDCL DEMAND MET	18386	18379	16655	16206
Load Shedding	0	0	0	0
MSEDCL DEMAND	18386	18379	16655	16206
TPCL GENERATION	1234	1320	1017	695
R-INFRA GENERATION	503	505	388	386
MUMBAI DEMAND	3106	3122	2831	1794
STATE DEMAND MET	21492	21501	19486	18000
STATE DEMAND	21492	21501	19486	18000
Frequency (Hz)	49.92	49.92	49.94	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 18.01 Hrs	49.72 Hz at 05.53 Hrs	49.93	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 24/Mar/2017

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	0.30	0.30	100	0
Unit 8	13.47	321.00	598	530
Unit 9	8.31	207.14	500	298
Unit 10	0.00	0.00	0	0
Total	22.08	528.44		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	9.06	0	0
Unit 4	11.32	253.12	510	370
Unit 5	11.39	254.02	510	370
Total	22.72	516.20		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.89	130.50	250	230
Unit 7	5.71	127.86	248	205
Unit 8	2.70	10.90	202	0
Total	14.30	269.26		
Chandrapur				
Unit 3	4.61	107.03	197	188
Unit 4	4.62	93.57	194	191
Unit 5	10.30	242.47	450	415
Unit 6	10.39	213.01	443	410
Unit 7	0.00	0.00	0	0
Unit 8	9.64	160.21	470	370
Unit 9	10.21	178.69	480	366
Total	49.75	994.98		
Paras				
Unit 3	5.93	40.26	256	210
Unit 4	5.93	133.52	258	234
Total	11.86	173.78		
Khaparkheda				
Unit 1	4.00	15.89	175	155
Unit 2	3.95	63.10	180	130
Unit 3	0.00	48.51	0	0
Unit 4	0.00	26.57	0	0
Unit 5	0.00	215.62	0	0
Total	7.94	369.68		
Nasik				
Unit 3	4.12	100.14	190	165
Unit 4	3.97	99.15	172	158
Unit 5	0.00	0.00	0	0
Total	8.09	199.28		
Uran				
All Units	10.43	249.52	458	408
Total	10.43	249.52		
PGPL				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Total	0.00	0.00		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.06	2.84	42	0
Total	0.06	2.84		
Koyna				
Stage 1-2	5.46	78.38	575	40
Stage 4	6.40	72.11	742	0
Stage 3	2.56	33.20	240	0
Total	14.42	183.70		
Hydro				
KDPH	0.42	17.91	18	17
VTRNA	1.04	28.61	58	0
TILLARI	0.00	7.52	0	0
BHTGR/VEER	0.00	0.53	0	0
BHIRA T.R.	0.26	5.05	63	0
RNGR+BHTSA	0.31	7.52	14	13
BHANDARDRA	0.49	11.54	37	12
ELDARY	0.00	2.83	0	0
SMLHY_PTN	0.50	12.29	21	21
GHATGHAR	0.86	16.08	250	0
Total	3.88	109.88		
Wind				
Total	5.82	190.16	0	0
Total	5.82	190.16		
CPP				
APML(Mus)	74.14	1722.79	0	0
JSWEL(Mus)	17.74	398.47	0	0
VIPL(Mus)	14.08	218.74	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	1.66	72.24	0	0
Other(Mus)	5.78	142.61	0	0
Total	113.40	2554.85		
SOLAR				
Total	1.29	33.55	0	0
Total	1.29	33.55		
Tata				
Trombay 5	9.60	216.68	495	308
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.87	68.56	122	104
Trombay 7B	1.60	38.39	68	62
Trombay 8	5.30	124.74	244	199
TATA Hydro	4.85	93.80	459	0
Total	24.22	542.16		
R-INFRA				
DTPS U-1&2	10.89	249.79	508	386
Total	10.89	249.79		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	136.74	3051.63	MSPGCL Total	165.47	3594.72
			MSPGCL Thml+Gas	147.17	3301.15	Koyna 1,2 & 4 Total	11.86	150.50
			MSPGCL Hydro	18.30	293.58	State Total	321.09	7165.24

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 24/Mar/2017

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			THM	GAS										
1	5792	129	435	6356	408	4818	0	0	5922	6153	-1067	16668	0	16668	2154	18822	49.94
2	5750	123	448	6321	408	4799	0	0	5904	5934	-904	16558	0	16558	1972	18530	49.96
3	5481	118	456	6055	554	4788	0	0	5905	5721	-779	16339	0	16339	1860	18199	49.97
4	5359	123	438	5920	548	4740	0	0	5904	5711	-713	16206	0	16206	1794	18000	49.97
5	5514	113	458	6085	411	4683	0	0	5905	6023	-695	16507	0	16507	1782	18289	49.92
6	5801	317	449	6567	289	4790	0	0	5964	5683	-602	16727	0	16727	1876	18603	49.92
7	5749	952	452	7153	312	4776	0	0	6463	6332	-575	17998	0	17998	1989	19987	49.97
8	5794	977	449	7220	234	4747	0	23	6658	6702	-575	18351	0	18351	2144	20495	49.99
9	5907	881	441	7229	117	4753	0	76	6742	6846	-793	18228	0	18228	2435	20663	49.91
10	5836	701	442	6979	126	4757	0	121	6608	6641	-1104	17520	0	17520	2854	20374	49.92
11	5834	867	420	7121	75	4764	0	162	6634	6675	-1141	17656	0	17656	2996	20652	49.90
12	5755	1592	424	7771	41	4768	0	180	6808	6995	-1369	18386	0	18386	3106	21492	49.92
13	5731	1768	429	7928	64	4776	0	185	6701	6723	-1297	18379	0	18379	3122	21501	49.92
14	5590	1856	414	7860	72	4749	0	178	6574	6552	-1130	18281	0	18281	2969	21250	49.97
15	5643	1608	408	7659	94	4772	0	144	6576	6684	-1123	18230	0	18230	2995	21225	49.87
16	5687	1665	422	7774	107	4762	0	114	6578	6628	-1151	18234	0	18234	3036	21270	49.93
17	5661	1142	418	7221	135	4767	0	79	6550	6869	-1147	17924	0	17924	3026	20950	49.93
18	5614	469	441	6524	204	4766	0	31	6521	6699	-1414	16810	0	16810	3026	19836	49.95
19	5433	354	421	6208	197	4773	0	1	6378	6144	-1425	15898	0	15898	2810	18708	49.92
20	5498	758	424	6680	247	4780	0	0	6276	6374	-1426	16655	0	16655	2831	19486	49.94
21	5606	375	437	6418	298	4805	0	0	6073	6262	-1502	16281	0	16281	2686	18967	49.91
22	5768	283	439	6490	302	4811	0	0	6139	5961	-1428	16136	0	16136	2567	18703	49.93
23	5936	427	436	6799	262	4212	0	0	6123	6354	-1345	16282	0	16282	2474	18756	49.91
24	5999	704	432	7135	310	4243	0	0	5922	6060	-1107	16641	0	16641	2420	19061	49.93
MUs	136.74	18.30	10.43	165.47	5.81	113.40	0.00	1.29	151.83	152.73	-25.81	412.90	0.00	412.90	60.92	473.82	49.93

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 24/Mar/2017

Position as on 6.30 Hrs of 25/Mar/2017

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 synch.07.04.2016 (12.03 To 12.30hrs)After overhaul	
MSPGCL	Chandrapur Unit 7	500	25/01/2017	19.32		Continued.	Turbine Problem, continued under COH	
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 PPA.	
MSPGCL	Koradi Unit 6	210	09/07/2015	00.00		Continued.	EE R&M LE Work	
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	SWPGL U-2	135	29/02/2016	21.46		Continued.	No PPA	
MSPGCL	Parli Unit 4	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	Boiler Tube Leakage(Converted to Zero Shedule By MSEDCL. from 00.00Hrs dt.19-6-16)	
IPP	RPL(AMT) U-3	270	29/06/2016	03.01		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Uran Unit 8	108	14/08/2016	07.56		Continued.	Maintenance work	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	ID Fan problem, Converted to Zero Schedule By MSEDCL from 00.00hrs/22-9-16. Shutdown taken on 18.10.2016 at 00:00Hrs for Turbine inspection and maintenance work	
IPP	RPL(AMT) U-5	270	15/11/2016	20.00		Continued.	Zero schedule by MSEDCL	
IPP	RPL(AMT) U-4	270	16/11/2016	21.03		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-2	270	16/11/2016	22.36		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-1	270	17/11/2016	17.23		Continued.	Zero Schedule by MSEDCL	
IPP	JSW (J) U2	300	01/12/2016	00.00		Continued.	No Schedule	
MSPGCL	Koradi Unit 10	660	07/02/2017	00.10		Continued.	Work Of PG Test.	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
MSPGCL	Koradi Unit 7	210	15/02/2017	14.18	24/03/2017	18.13	Zero Schedule by MSEDCL	
MSPGCL	Nasik Unit 5	210	24/02/2017	14.30	25/03/2017	04.25	Zero Schedule.	
MSPGCL	Bhusawal Unit 3	210	03/03/2017	06.42	25/03/2017	01.00	zero schedule	
MSPGCL	Khaparkheda Unit 4	210	07/03/2017	07.19		Continued.	BTL (Withdrawn under zero schedule from 00:00hrs of	

State Load Despatch Center, Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 24/Mar/2017

Position as on 6.30 Hrs of 25/Mar/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
							08.03.2017) Schedule given from 00:00hrs of 24.03.2017 but synchronization delayed	
MSPGCL	Koyna STG- IV Unit - 1	250	17/03/2017	10.45		Continued.	Turbine bearing Vibration high	
MSPGCL	Khaparkheda Unit 5	500	21/03/2017	16.57	25/03/2017	01.06	Boiler Tube Leakage	
CPP	SWPGL U-4	135	22/03/2017	00.01		Continued.	SSC Chain Broken.	
MSPGCL	Khaparkheda Unit 3	210	23/03/2017	19.38		Continued.	Boiler Tube Leakage	
MSPGCL	Parli Unit 8	250	24/03/2017	12.24	24/03/2017	20.28	Flame Failure	
IPP	Adani U-4	660	24/03/2017	22.00		Continued.	Main Steam Stop Valve Block.	
MSPGCL	Bhusawal Unit 4	500	25/03/2017	00.22	25/03/2017	03.48	Flame Failure	
MSPGCL	Nasik Unit 4	210	25/03/2017	05.45		Continued.	Boiler Tube Leakage	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Mar/2017

Statement-VII

Position as on 6.30 Hrs of 25/Mar/2017

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							
Jaigad-New Koyna Ckt-I	IntraState	21/03/2017	05.46	24/03/2017	11.16	T	Distance Protection
Bhusawal-Aurangabad	IntraState	23/03/2017	20.01	24/03/2017	06.44	HT	Over Voltage
Chandrapur2-Parali 2 ckt1	IntraState	24/03/2017	07.25	24/03/2017	20.53	PO	Removing of Old Jumpers @ Existing Loc. No.596 of Cpur II to Parly I for LILO & Providing New Jumpers for LILO Kumbhargaoon S/S.
Karad - Jaigad - II	IntraState	24/03/2017	12.43	25/03/2017	06.51	PO	Insulator String Replacement Work.
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 MVA ICT-II @Waluji	IntraState	24/03/2017	12.21	24/03/2017	21.20	PO	Conservator Oil Top up Work.
220 KV LINE Outages/Trippings							
Mahalakshmi Amona	InterState	24/03/2017	00.27	24/03/2017	00.46	T	Tripped at Amona end only
Boiser(M)-Boiser(PG) -III	InterState	24/03/2017	15.00	24/03/2017	18.27	PO	Testing Work
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.
Miraj - Mhaishal	IntraState	14/03/2017	14.50		Continued.	PO	Construction Work.
Alephata-Pargaon(Kathapur)	IntraState	23/03/2017	12.03		Continued.	PO	Buching work
Miraj - Ichalkaranji II	IntraState	23/03/2017	22.12	24/03/2017	02.51	T	Y Phase PT Burst at Miraj, Line tripped Ichalkaranji end only
Uran - Kharghar I	IntraState	24/03/2017	09.30	24/03/2017	18.43	PO	Insulators Replacement.
Babhaleshwar - Degaon Rangari	IntraState	24/03/2017	12.26	24/03/2017	21.48	HT	A'bad ICT-II Under Outage.
Kalmeshwar-Pandhurna	IntraState	24/03/2017	13.13	24/03/2017	15.51	PO	Attending Hot Spot
Koradi-Ambazari-Ii	IntraState	24/03/2017	14.37	24/03/2017	16.30	PO	Line Signature Analysis & Cross Arms Angle Fixing.
Badnera Tss-Ii	IntraState	24/03/2017	14.37	24/03/2017	16.12	PO	Measurement of Tan Delta of CT of R Ph Metering CT.
Nagothane - Ipcl	IntraState	24/03/2017	15.07	24/03/2017	16.23	PO	Nut Bolt Tightening Work.
Vsni-512 Khadki	IntraState	24/03/2017	15.12	24/03/2017	18.36	PO	Testing Work
Babhaleshwar-Nagar-I	IntraState	24/03/2017	15.48	24/03/2017	16.03	T	Distance Protection
Parli 2-(Girwali) -Murud	IntraState	24/03/2017	16.53	24/03/2017	21.31	PO	To Replace R Ph Broken Cross Arm Angle & Line Signature Test.
Chalisgaon-Malegaon	IntraState	25/03/2017	03.01		Continued.	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 commissioning)
220/132kv 200mva Vijai Ptr 2 @Lonand	IntraState	24/03/2017	16.40	24/03/2017	20.55	PO	Routine Maintenance Work
132 KV LINE Outages/Trippings							
Anjangaon - Akot	IntraState	24/03/2017	10.34	24/03/2017	15.02	HT	Due to O/L of Balapur-Patur Line Loading.

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