State Load Despatch Center,Airoli (MSETCL) Statement I

Daily system Report for 29/May/2019 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	**Daily**	**Monthly**	**E) InterState Exchanges**	**Daily**	**Monthly**
1) Thermal	162.557	4505.965	1) Gujrat	0.341	17.625
2) Hydro	6.604	925.722	2) Madhya Pradesh	8.696	290.465
3) Gas	6.759	191.664	3) Chattisgarh	3.350	111.410
Total MSPGCL	**175.920**	**5623.351**	4) Maharashtra	118.434	3387.493
B) 1) APML	75.973	2000.313	5) Goa (Amona)	-0.418	-12.298
2) JSWEL	26.127	695.401	**Total**	**130.403**	**3794.695**
3) VIPL	0.000	0.000	a) Mumbai Schedule	31.259	825.619
4) RPL(AMT)	26.565	226.376	b) Mumbai Drawl	37.240	950.045
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	9.266	391.028
6) Other IPP	7.128	221.804	Include PX	-10.968	-174.130
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	31.259	825.619
C) 1) TPCL Thermal	14.091	396.426	Include PX	16.466	460.290
2) TPCL Hydro	4.702	126.033	Standby	0.000	0.000
3) TPCL Gas	4.346	125.108	**H) ENERGY CATERED (MUs)**		
4) AEML Thermal	10.380	289.464	1) MSEDCL	445.043	12522.851
D) STATE			2) Mumbai Discoms	70.757	1887.072
1) Thermal (A1+C1+C4+(B1-B6))	322.821	8335.749	**TOTAL STATE**	**515.800**	**14409.923**
2) Hydro (A2+C2)	11.306	1051.755			
3) Gas (A3+B7+C3)	11.105	316.772			
4) Wind	32.816	706.739			
6) SOLAR	7.351	204.217			
TOTAL STATE	**385.399**	**10615.232**			

* 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 5 Hrs
MSPGCL Thermal	6825	6807	6690	6519
MSPGCL Hydro	293	392	282	164
MSPGCL Gas	277	266	274	289
MSPGCL Total Generation	7395	7465	7246	6972
Central Sector Receipt	6515	6256	4875	5227
WIND	979	1068	1881	1523
CPP / IPP Thermal	5475	5927	5795	5373
CPP / IPP Gas	0	0	0	0
SOLAR	953	628	0	0
Exchange with Mumbai	-2000	-1738	-1548	-1231
MSEDCL DEMAND MET	**19317**	**19606**	**18249**	**17864**
Load Shedding	0	0	0	0
MSEDCL DEMAND	19317	19606	18249	17864
TPCL GENERATION	916	1297	1141	702
AEML GENERATION	489	493	376	375
MUMBAI DEMAND	**3405**	**3528**	**3065**	**2308**
STATE DEMAND MET	22722	23134	21314	20172
STATE DEMAND	**22722**	**23134**	**21314**	**20172**
Frequency (Hz)	50.02	49.99	50.01	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 13.03 Hrs	49.8 Hz at 23.11 Hrs	50	% of Time(min)

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

Shift Engineer **Shift Incharge**

State Load Despatch Center,Airoli (MSETCL) **Annexure-1**

Daily and Progressive Generation,Maximum,Minimum for 29/May/2019

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.94	71.16	185	135
Unit 7	0.00	0.00	0	0
Unit 8	9.11	290.78	410	322
Unit 9	11.23	276.50	505	419
Unit 10	10.82	308.52	500	354
Total	**35.11**	**946.95**		
Bhusawal				
Unit 3	0.53	3.66	180	0
Unit 4	10.84	260.01	500	355
Unit 5	10.79	309.28	500	350
Total	**22.16**	**572.95**		
Parli				
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
Unit 8	0.00	0.00	0	0
Total	**0.00**	**0.00**		
Chandrapur				
Unit 3	4.66	113.83	195	191
Unit 4	4.14	119.79	175	168
Unit 5	9.79	218.24	420	394
Unit 6	10.79	304.12	460	420
Unit 7	9.42	281.15	424	340
Unit 8	10.92	313.82	465	440
Unit 9	11.30	279.15	485	443
Total	**61.02**	**1630.10**		
Paras				
Unit 3	6.11	169.81	258	253
Unit 4	5.63	167.54	244	224
Total	**11.74**	**337.36**		
Khaparkheda				
Unit 1	3.28	84.19	145	120
Unit 2	2.78	95.08	130	95
Unit 3	3.34	102.58	150	130
Unit 4	3.37	102.67	145	137
Unit 5	11.06	320.14	480	437
Total	**23.84**	**704.65**		
Nasik				
Unit 3	4.32	69.49	196	159
Unit 4	0.00	120.45	0	0
Unit 5	4.36	124.02	205	161
Total	**8.68**	**313.96**		
Uran				
All Units	6.76	191.66	289	266
Total	**6.76**	**191.66**		
PGPL				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Total	**0.00**	**0.00**		
PENCH (MS)				
Pench (MS)	0.00	1.20	0	0
Total	**0.00**	**1.20**		
Koyna				
Stage 1-2	2.92	183.89	410	40
Stage 4	0.28	498.61	123	0
Stage 3	1.23	150.76	160	0
Total	**4.43**	**833.26**		
Hydro				
KDPH	0.46	17.90	20	19
VTRNA	0.79	24.71	61	0
TILLARI	0.00	7.21	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.18	6.50	40	0
RNGR+BHTSA	0.23	7.03	10	9
BHANDARDRA	0.27	2.63	34	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.24	8.44	11	10
GHATGHAR	0.00	18.04	0	0
Total	**2.17**	**92.47**		
Wind				
Total	32.82	706.74	0	0
Total	**32.82**	**706.74**		
CPP				
APML(Mus)	75.97	2000.31	0	0
JSWEL(Mus)	26.13	695.40	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus	26.56	226.38	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	7.13	221.80	0	0
Total	**135.79**	**3143.89**		
SOLAR				
Total	7.35	204.22	0	0
Total	**7.35**	**204.22**		
Tata				
Trombay 5	9.10	262.18	483	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.78	79.75	116	115
Trombay 7B	1.57	45.36	66	65
Trombay 8	4.99	134.25	231	197
TATA Hydro	4.70	126.03	444	0
Total	**23.14**	**647.57**		
AEML				
DTPS U-1&2	10.38	289.46	498	374
Total	**10.38**	**289.46**		

* Infirm Power		
Particulars	Daily (Mus)	Monthly

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	162.56	4505.96
MSPGCL Thml+Gas	169.32	4697.63
MSPGCL Hydro	6.60	925.72

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	175.92	5623.35
Koyna 1,2 & 4 Total	3.20	682.50
State Total	385.40	10615.23

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 29/May/2019

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDING	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS										
1	7104	461	287	7852	1346	5773	0	0	5098	5115	-1422	18664	0	18664	2902	21566	49.98
2	7123	228	285	7636	1333	5816	0	0	4746	4794	-1257	18322	0	18322	2690	21012	49.95
3	7049	253	288	7590	1346	5659	0	0	4644	4525	-1137	17983	0	17983	2515	20498	50.02
4	6710	176	288	7174	1472	5454	0	0	4867	4940	-1212	17828	0	17828	2373	20201	49.95
5	6519	164	289	6972	1523	5373	0	0	5097	5227	-1231	17864	0	17864	2308	20172	50.01
6	6657	251	289	7197	1475	5595	0	0	5297	5475	-1250	18492	0	18492	2320	20812	50.01
7	6943	206	289	7438	1468	5453	0	58	5518	5503	-1201	18719	0	18719	2273	20992	50.00
8	6615	155	288	7058	1280	5330	0	250	5539	5643	-1305	18256	0	18256	2400	20656	50.01
9	6582	224	284	7090	1320	5269	0	530	5619	5575	-1566	18218	0	18218	2710	20928	50.02
10	6612	200	282	7094	1183	5492	0	721	5915	5906	-1849	18547	0	18547	3046	21593	50.04
11	6577	206	270	7053	1164	5446	0	878	6208	6052	-2042	18551	0	18551	3296	21847	50.04
12	6825	293	277	7395	979	5475	0	953	6449	6515	-2000	19317	0	19317	3405	22722	50.02
13	6915	184	278	7377	1050	5533	0	978	6451	6562	-1974	19526	0	19526	3398	22924	50.03
14	6771	178	266	7215	1033	5537	0	915	6216	6088	-1799	18989	0	18989	3240	22229	50.03
15	6759	516	276	7551	1000	5786	0	774	6425	6338	-1947	19502	0	19502	3445	22947	49.94
16	6807	392	266	7465	1068	5927	0	628	6411	6256	-1738	19606	0	19606	3528	23134	49.99
17	6790	413	279	7482	1188	5967	0	426	6002	5985	-1648	19400	0	19400	3467	22867	49.97
18	6648	129	280	7057	1530	5587	0	201	5955	5751	-1609	18517	0	18517	3320	21837	50.02
19	6386	132	282	6800	1888	5566	0	39	5040	4890	-1655	17528	0	17528	3110	20638	50.02
20	6690	282	274	7246	1881	5795	0	0	4960	4875	-1548	18249	0	18249	3065	21314	50.01
21	6930	273	285	7488	1721	6001	0	0	4510	4485	-1503	18192	0	18192	2999	21191	50.03
22	6908	309	285	7502	1581	5964	0	0	4233	4377	-1423	18001	0	18001	2982	20983	50.00
23	6829	625	286	7740	1517	6006	0	0	4647	4673	-1450	18486	0	18486	2962	21448	49.98
24	6808	354	286	7448	1470	5989	0	0	4946	4853	-1474	18286	0	18286	3005	21291	49.98
MUs	**162.56**	**6.60**	**6.76**	**175.92**	**32.82**	**135.79**	**0.00**	**7.35**	**130.79**	**130.40**	**-37.24**	**445.04**	**0.00**	**445.04**	**70.76**	**515.80**	**50.00**

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 29/May/2019

Position as on 6.30 Hrs of 30/May/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
CPP	SWPGL U-3	135	01/11/2018	00.28		Continued.	Annual Overhaul	
MSPGCL	Parli Unit 7	250	12/12/2018	00.00		Continued.	Zero Schedule. (From Dt-27/01/2019 Converted Zero sch to AOH) and (from dt-15/02/2019 Converted AOH to Zero sch by MSEDCL)	
FORCED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17:08		Continued.	Economic shutdown	
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
MSPGCL	Parli Unit 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 4	210	01/04/2016	00.00		Continued.	Economic shutdown	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
MSPGCL	Uran Unit 7	108	20/07/2018	12.53		Continued.	Compressor & Turbine Blade Failure.	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	Poor Coal Receipt	
MSPGCL	Uran Unit B0	120	08/09/2018	12.19		Continued.	T/F Shifting Work.	
IPP	SWPGL U-2	135	27/11/2018	00.00		Continued.	No Schedule.	
MSPGCL	Parli Unit 6	250	12/12/2018	00.00		Continued.	Zero Schedule.	
CPP	SWPGL U-4	135	15/12/2018	00.00		Continued.	No Schedule	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal Shortage	
MSPGCL	Koradi Unit 7	210	19/01/2019	18.21		Continued.	Poor Coal Receipt	
MSPGCL	Parli Unit 8	250	01/05/2019	00.00		Continued.	Zero Schedule	
MSPGCL	Uran Unit 8	108	20/05/2019	16.01		Continued.	Gas shortage	
MSPGCL	Nasik Unit 4	210	28/05/2019	11.37		Continued.	Boiler Tube Leakage	
MSPGCL	Bhusawal Unit 3	210	29/05/2019	03.08		Continued.	Cooling Water Condenser Line Leakage.	

State Load Despatch Center,Airoli (MSETCL)

Statement-VII

Details of Line outages/Trippings for 29/May/2019

Position as on 6.30 Hrs of 30/May/2019

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							
Karad Solapur (PG)	InterState	03/05/2017	11:49		Continued.	PO	Line Converted As 220 Kv Solapur (PG)- Jeur From LOC 403
Dhule Sar'Sarovar II	InterState	28/05/2019	17.57		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	28/05/2019	18.52	29/05/2019	09.29	HT	Over Voltage
New Koyna - Dabhol-I	IntraState	29/05/2019	16.21	29/05/2019	18.48	PO	Maintenance Work At Dabhol End.
Khadka-Aurangabad (Waluj)	IntraState	29/05/2019	19.09		Continued.	HT	Over Voltage
New Koyna - Dabhol-I	IntraState	29/05/2019	23:50	30/05/2019	00.31	T	Main -I Protection Operatored.
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 Mva ICT 1 @Padghe	IntraState	15/11/2018	10.07		Continued.	T	Differential Protection, Declared Faulty.
400/220/33 Kv 500 Mva Ict 1 @ CHANDRAPUR 2	IntraState	12/04/2019	17.10		Continued.	HT	Due To CVT Porcelain Collars Of The ICT-1 Are Damaged.
400/220kv, 500 MVA ICT-II @Deepnagar	IntraState	29/05/2019	06.52	29/05/2019	13.18	PO	Line Maintenance work
400/220/33kv, 500 Mva Ict-2 @Khaparkheda	IntraState	29/05/2019	07.54	29/05/2019	16.47	PO	Premansoon Maintenance & Dignostic Tersting Work.
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	01/06/2017	00.01		Continued.	PO	No Schedule
Mudshingi - Chikodi	InterState	01/06/2017	00.06		Continued.	PO	No Schedule.
Borivali - Tarapur	InterState	28/05/2019	16.22	29/05/2019	12.46	T	Distance Protection, Z-1, RY-E, 30KAMP, D-4 KM.
PARLY (PG) - OSMANABAD	InterState	29/05/2019	09.07	29/05/2019	18.54	PO	Line Maintenance work
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of Conductor Loc No 86 Disconnecting of Jumper 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	For Bunching of Conductor At Loc No.86 Disconnecting of Jumper At Loc No.86 To 107 And Deenergising The Line Between Loc No.86 To 107.
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
Koradi - Kawlewada II	IntraState	29/05/2019	09.01	29/05/2019	11.37	PO	Replacement of Flash Over Disc At LOC 39.
Ekalahara(Ocr)(Nashik)-Navasari II	IntraState	29/05/2019	10.25	29/05/2019	13.42	PO	String Replacement Work.
Nashik-Padgha	IntraState	29/05/2019	10.32	29/05/2019	15.35	HT	Avoid Overloading of Nashik-BBLR Ckts.
Chinchwad-Hinjewadi I	IntraState	29/05/2019	10.39	29/05/2019	18.21	HT	Avoid Overloading On Chinchwad Urse.
Patoda-Manjarsumba	IntraState	29/05/2019	10.40	29/05/2019	14.08	PO	Quarterly Maintenance Work
Miraj - Mhaishal	IntraState	29/05/2019	11.12	29/05/2019	16.16	HT	Avoid Overloading On Miraj Alkud.
Eklahare (Gcr)(Nashik)- Ghatghar	IntraState	29/05/2019	15.24	29/05/2019	15.50	T	Distance Protection, 18.94KM, B-Ph E/F, 4679AMP.
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT-II @Trombay	IntraState	28/03/2019	22.48		Continued.	T	Buccholz Trip.
220/132 KV 200MVA ICT I @ Kanhan	IntraState	29/05/2019	07.27	29/05/2019	09.30	PO	Premansoon Maintenance Work.
132 KV LINE Outages/Trippings							
Kanhan-Bhandara	IntraState	29/05/2019	10.17	29/05/2019	14.58	EO	Testing of NT Switch.
Kanhan-Pardi	IntraState	29/05/2019	10.39	29/05/2019	13.55	EO	NT Switch Testing.
Ambazari-Pardi	IntraState	29/05/2019	13.42	29/05/2019	13.50	T	Distance Protection, Z1, B-Ph, 32.4KM, 3.08KA.
Khapri-Besa	IntraState	29/05/2019	13.47	29/05/2019	13.50	T	Distance Protection, Z1, B-Ph, 2.48KA.

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

State Load Despatch Center,Airoli (MSETCL)

Statement-VII

Details of Line outages/Trippings for 29/May/2019

Position as on 6.30 Hrs of 30/May/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Kalmeshwar-Hingna-II	IntraState	29/05/2019	13.47	29/05/2019	15.43	T	Kalmeshwar End-Distance Protection, Z1, 26.8Km, 3.06KA. Hingna 2 End-R-Ph, Z1, 0.8Km, 3KA.
Butibori-Khapri-Ii	IntraState	29/05/2019	13.47	29/05/2019	13.57	T	Back Up Protection Operated.
Butibori-Khapri I	IntraState	29/05/2019	13.47	29/05/2019	13.57	T	B/UP Protection.
Chalisgaon- Dhule	IntraState	29/05/2019	14.35	29/05/2019	14.43	T	Distance Protection, Z1, 26.45KM, 2.69KA.

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