

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 16/Apr/2021 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	161.638	2414.902	1) Gujrat	-1.677	17.553
2) Hydro	13.096	354.155	2) Madhya Pradesh	14.050	242.566
3) Gas	4.392	93.764	3) Chattisgarh	4.070	65.130
Total MSPGCL	179.126	2862.821	4) Maharashtra	144.999	2434.422
B) 1) APLM	69.198	1015.328	5) Goa (Amona)	-1.823	-21.056
2) JSWEL	13.155	208.859	Total	159.619	2738.615
3) VIPL	0.000	0.000	a) Mumbai Schedule	24.886	384.153
4) RPL(AMT)	26.890	482.199	b) Mumbai Drawl	25.235	384.735
5) SWPGPL	6.639	132.085	c) MSEDCL Bilateral *	33.057	755.750
6) Other IPP	19.290	347.864	Include PX	2.530	278.849
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	24.886	384.040
C) 1) TPCL Thermal	14.861	243.373	Include PX	4.758	92.654
2) TPCL Hydro	3.510	50.830	Standby	0.000	0.114
3) TPCL Gas	3.051	46.756	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.903	184.661	1) MSEDCL	470.164	7730.922
D) STATE			2) Mumbai Discoms	57.560	910.357
1) Thermal	322.574	5029.271	TOTAL STATE	527.724	8641.279
(A1+C1+C4+(B1-B6))					
2) Hydro	16.606	404.985			
(A2+C2)					
3) Gas	7.443	140.520			
(A3+B7+C3)					
4) Wind	13.011	203.281			
6) SOLAR	8.471	124.605			
TOTAL STATE	368.105	5902.662			

* 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 22 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	6928	6862	6474	6674
MSPGCL Hydro	484	1016	632	260
MSPGCL Gas	263	19	158	298
MSPGCL Total Generation	7674	7896	7264	7232
Central Sector Receipt	7365	7587	6426	5796
WIND	272	322	541	1013
CPP / IPP Thermal	5296	5319	5707	5867
CPP / IPP Gas	0	0	0	0
SOLAR	1141	716	0	0
Exchange with Mumbai	-1266	-1107	-933	-1242
MSEDCL DEMAND MET	20482	20734	19004	18666
Load Shedding	0	0	0	0
MSEDCL DEMAND	20482	20734	19004	18666
TPCL GENERATION	856	1073	973	533
AEML GENERATION	500	500	501	285
MUMBAI DEMAND	2622	2680	2407	2060
STATE DEMAND MET	23104	23414	21412	20726
STATE DEMAND	23104	23414	21412	20726
Frequency (Hz)	49.95	50.06	49.99	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 17.56 Hrs	49.73 Hz at 13.45 Hrs	49.99	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/2021

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.88	19.70	175	125
Unit 7	3.19	34.94	143	117
Unit 8	10.29	172.70	522	215
Unit 9	8.46	146.30	433	270
Unit 10	7.60	80.18	335	280
Total	33.42	453.82		
Bhusawal				
Unit 3	4.38	43.63	190	160
Unit 4	11.42	152.38	480	465
Unit 5	11.76	186.90	495	475
Total	27.56	382.91		
Parli				
Unit 6	5.19	85.53	244	180
Unit 7	5.82	89.71	248	223
Unit 8	5.04	79.63	230	201
Total	16.06	254.87		
Chandrapur				
Unit 3	3.56	23.20	152	140
Unit 4	0.00	0.00	0	0
Unit 5	10.28	154.20	435	412
Unit 6	9.40	146.96	408	266
Unit 7	0.00	0.00	0	0
Unit 8	11.75	187.28	499	477
Unit 9	10.72	175.23	473	414
Total	45.73	686.86		
Paras				
Unit 3	5.84	84.28	252	210
Unit 4	5.27	87.40	255	134
Total	11.11	171.68		
Khaparkheda				
Unit 1	2.78	43.93	130	105
Unit 2	0.00	41.06	0	0
Unit 3	3.33	56.80	150	130
Unit 4	3.26	52.98	148	121
Unit 5	9.42	146.59	430	350
Total	18.79	341.37		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	4.49	59.56	198	125
Unit 5	4.48	63.82	200	129
Total	8.97	123.38		
Uran				
All Units	4.39	93.76	299	0
Total	4.39	93.76		
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)	0.05	0.81	23	0
Total	0.05	0.81		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	2.71	78.66	370	40
Stage 4	2.41	116.77	405	0
Stage 3	1.27	42.86	80	0
Total	6.39	238.29		
Hydro				
KDPH	0.85	13.81	36	36
VTRNA	0.81	14.68	59	0
TILLARI	0.46	6.21	58	0
BHIRA T.R.	0.28	2.46	80	0
SMLHY_PTN	4.30	76.06	196	169
GHATGHAR	0.00	2.65	0	0
Total	6.71	115.87		
Wind				
Total	13.01	203.28	0	0
Total	13.01	203.28		
CPP				
APML(Mus)	69.20	1015.33	0	0
JSWEL(Mus)	13.16	208.86	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	26.89	482.20	0	0
SWPGPL-Mus	6.64	132.08	0	0
Other(Mus)	19.29	347.86	0	0
Total	135.17	2186.34		
SOLAR				
Total	8.47	124.60	0	0
Total	8.47	124.60		
Tata				
Trombay 5	9.94	160.64	483	280
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.79	27.30	116	60
Trombay 7B	1.26	19.46	66	47
Trombay 8	4.92	82.74	236	138
TATA Hydro	3.51	50.83	308	0
Total	21.42	340.96		
AEML				
DTPS U-1&2	10.90	184.66	502	284
Total	10.90	184.66		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	161.64	2414.90	MSPGCL Total	179.13	2862.82
			MSPGCL Thml+Gas	166.03	2508.67	Koyna 1,2 & 4 Total	5.12	195.42
			MSPGCL Hydro	13.10	354.16	State Total	368.10	5902.66

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 16/Apr/2021

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	6717	326	297	7340	643	5966	0	0	6515	6658	-1178	19428	0	19428	2501	21930	50.00
2	6756	298	288	7342	699	5892	0	0	6307	6270	-1303	18900	0	18900	2314	21214	49.99
3	6672	256	288	7216	857	5891	0	0	6096	6014	-1320	18658	0	18658	2160	20818	49.98
4	6674	260	298	7232	1013	5867	0	0	5909	5796	-1242	18666	0	18666	2060	20726	49.94
5	6770	254	289	7312	925	5875	0	0	6075	5970	-1192	18890	0	18890	2005	20896	50.02
6	6883	290	289	7462	927	5883	0	0	6310	6209	-1058	19424	0	19424	2052	21476	50.01
7	6851	822	299	7972	812	5857	0	43	6531	6490	-731	20442	0	20442	2042	22484	50.03
8	6911	634	298	7842	485	5853	0	252	6600	6470	-765	20138	0	20138	2094	22232	50.03
9	6940	350	277	7566	297	5828	0	562	6732	6757	-905	20106	0	20106	2289	22394	50.01
10	6947	464	286	7696	355	5647	0	854	7026	6809	-1029	20332	0	20332	2499	22832	49.93
11	6920	474	294	7688	335	5473	0	1019	7200	6876	-1035	20356	0	20356	2602	22958	49.97
12	6928	484	263	7674	272	5296	0	1141	7620	7365	-1266	20482	0	20482	2622	23104	49.95
13	6840	562	73	7474	174	5290	0	1147	7621	7723	-1322	20486	0	20486	2635	23122	49.97
14	6848	568	0	7416	214	5266	0	1096	7657	7325	-1149	20168	0	20168	2608	22776	49.93
15	6830	922	0	7752	207	5234	0	966	7705	7408	-1142	20424	0	20424	2681	23106	49.95
16	6862	1016	19	7896	322	5319	0	716	7622	7587	-1107	20734	0	20734	2680	23414	50.06
17	6799	998	14	7810	472	5327	0	487	7017	6916	-1016	19996	0	19996	2610	22606	49.96
18	6750	866	20	7636	483	5329	0	173	6667	6459	-980	19100	0	19100	2504	21604	50.04
19	6590	436	20	7046	504	5420	0	15	6292	5926	-872	18040	0	18040	2390	20430	50.03
20	6596	464	50	7110	487	5497	0	0	6272	6609	-905	18798	0	18798	2432	21230	50.02
21	6560	406	105	7072	497	5596	0	0	6229	6147	-905	18406	0	18406	2391	20798	49.99
22	6474	632	158	7264	541	5707	0	0	6338	6426	-933	19004	0	19004	2407	21412	49.99
23	6408	746	220	7374	696	5859	0	0	6836	6779	-952	19756	0	19756	2464	22220	50.03
24	6112	574	247	6934	794	6000	0	0	7181	6630	-928	19430	0	19430	2518	21948	49.94
MUs	161.64	13.10	4.39	179.13	13.01	135.17	0.00	8.47	162.36	159.62	-25.23	470.16	0.00	470.16	57.56	527.72	49.99

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/2021

Position as on 6.30 Hrs of 17/Apr/2021

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Chandrapur Unit 4	210	16/03/2021	08.08		Continued.	Boiler Tube Leakage(converted to Capital overhaul)	
MSPGCL	Koyna STG-IV Unit-4	250	15/04/2021	12.00		Continued.	Spiral case air drain valve replacement work	
FORCED OUTAGE								
IPP	SWPGPL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule (NO PPA)	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	No PPA	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage. (NO PPA From 20.05.2019)	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal shortage.(NO PPA From 20.05.2019)	
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	
MSPGCL	Nasik Unit 3	210	03/12/2020	06.45		Continued.	PA Fan Problem (Under Case 4 Bidding From 11.00Hrs DT. 21-01-2021).	
MSPGCL	Koyna Unit 11	80	19/01/2021	10.05		Continued.	Tripped on stator earth fault (will not be available till dt.18.04.21)	
IPP	JSW (J) U1	300	01/02/2021	18.00		Continued.	Due to turbine vibration high	
MSPGCL	Chandrapur Unit 7	500	20/02/2021	23.43		Continued.	Generator Earth Fault.	
MSPGCL	Uran Unit 5	108	02/04/2021	23.19		Continued.	Gas shortage	
IPP	JSW (J) U4	300	11/04/2021	03.02		Continued.	NO SCHEDULE.	
MSPGCL	Koyna STG-IV Unit-1	250	12/04/2021	10.10		Continued.	Outage For Turbine Guide Bearing Oil Temperature RTD Sensor Work.	
IPP	SWPGPL U-2	135	13/04/2021	12.15	16/04/2021	16.47	Conveyor Belt Problem.	
MSPGCL	Ghatghar Unit-2	125	14/04/2021	00.00		Continued.	Maintenance work	
MSPGCL	Khaparkheda Unit 2	210	15/04/2021	16.54		Continued.	Critical coal stock position	
IPP	Adani U-1	660	16/04/2021	10.59	16/04/2021	19.44	To attend hotspot in GT-Y-phase neutral bushing palm.	
MSPGCL	Uran Unit B0	120	16/04/2021	12.23	16/04/2021	21.57	Joint Islanding trial conductor with mahatransco.	
MSPGCL	Uran Unit 6	108	16/04/2021	12.23	16/04/2021	20.13	Joint Islanding trial conductor with mahatransco.	
MSPGCL	Uran Unit 8	108	16/04/2021	12.23	16/04/2021	15.40	Joint Islanding trial conductor with mahatransco.	
MSPGCL	Uran Unit A0	120	16/04/2021	12.23		Continued.	Joint Islanding trial conductor with mahatransco.	
MSPGCL	Chandrapur Unit 6	500	16/04/2021	23.58		Continued.	Boiler validity expiry.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Apr/2021

Statement-VII

Position as on 6.30 Hrs of 17/Apr/2021

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
Ektuni - Akola II Ckt I	IntraState	06/04/2021	06.46		Continued.	PO	Nagpur-Mumbai Express Highway Work.
500 KV LINE Outages/Trippings							
Chandrapur - Padghe Hvdc Pole 1	IntraState	16/04/2021	22.22		Continued.	PO	To attend work of OLTC of R ph. converter transformer of HVDC pole 1 at Padghe end.
Chandrapur - Padghe Hvdc Pole 2	IntraState	16/04/2021	22.37	16/04/2021	23.29	PO	pole-2 block at 22:37hrs pole-2 deblock at 23:29hrs pole-2 is in metallic return mode power restriction 750MW.
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 I	InterState	15/04/2021	11.03	16/04/2021	07.39	PO	Insulator replacement(RFC 18.40Hrs)
Wardha (Pg) Warora I	InterState	15/04/2021	21.16	16/04/2021	00.51	EO	To attend Hot Spot
Dhule Sar'Sarovar II	InterState	16/04/2021	08.12		Continued.	HT	Line Maintenance work (RFC 19.49)
BABHALESHWAR - RPL(NASHIK) CKT - 1	IntraState	18/03/2021	15.48		Continued.	EO	Attending Hot Spot
Nagothane - Dabhol I	IntraState	16/04/2021	10.21	16/04/2021	18.49	PO	Cold washing ,E/W replacement Work & Faulty string replacement Work.
400 KV ICT Outages/Trippings							
400/220kv 315 MVA ICT I @ KOLHAPUR-III (TALANDGE)	IntraState	10/08/2020	09.58		Continued.	PO	Replacement of existing 315 MVA ICT by 3*167 MVA ICT.
220 KV LINE Outages/Trippings							
Mudshingi Chikodi	InterState	24/09/2019	17.12		Continued.	PO	No Schedule(Charge from Mudshingi end only)
Talandage - Chikodi	InterState	01/10/2019	17.10		Continued.	PO	No Schedule(Close at Chikodi end only)
Parli 3 (Old Gcr)-Girwali Ckt 2	IntraState	25/03/2021	10.28	16/04/2021	21.11	PO	Railway crossing tower erection work
Hinganghat - Bhugaon	IntraState	09/04/2021	13.49	16/04/2021	22.33	PO	Work of diversion from LOC 226 to 235 of 220KV wardha-warora & bhugaon hinganghat D/C line being carried out by VIDC under supervision of MSETCL.
Warora - Wardha	IntraState	09/04/2021	14.03	16/04/2021	20.03	PO	Work of diversion from LOC 226 to 235 of 220KV Wardha-Warora & Bhugaon-Hinganghat
Trombay - Kalwa	IntraState	14/04/2021	12.27		Continued.	PO	Conductor replacement.
Karad - Kadegaon	IntraState	14/04/2021	22.59	16/04/2021	00.21	T	Distance Protection
Pandarpur-Khanapur	IntraState	16/04/2021	07.27	16/04/2021	09.17	HT	Y-PH wavetrap hotspot.
Pedhambe - Oni	IntraState	16/04/2021	08.40	16/04/2021	17.55	PO	Quarterly Maintainance Work
KORADI 2 - KAULEWADA CKT - I	IntraState	16/04/2021	08.50	16/04/2021	20.03	PO	Mid span joint replacement.
Koradi-Ambazari-Ii	IntraState	16/04/2021	09.33	16/04/2021	13.38	PO	Yearly diagnostic testing work and general.
Roma-Bhavegar	IntraState	16/04/2021	10.28	16/04/2021	17.36	PO	Replacement work
Sahara-Urse	IntraState	16/04/2021	11.17	16/04/2021	13.35	HT	Load management.
Urse - Talegaon (Ambi) Ckt 2	IntraState	16/04/2021	11.25	16/04/2021	13.21	PO	Attending Hot Spot
Uran - Apta II	IntraState	16/04/2021	12.39	16/04/2021	13.25	T	TF2 LV CT burst at Uran.
Uran - Jnpt	IntraState	16/04/2021	12.39	16/04/2021	13.26	T	TF2 LV CT burst at Uran.
Uran - Ongc Uran	IntraState	16/04/2021	12.39	16/04/2021	13.22	T	TF2 LV CT burst at Uran.
Uran - Kharghar 2	IntraState	16/04/2021	12.39	16/04/2021	13.27	T	TF2 LV CT burst at Uran.
Uran - Apta III	IntraState	16/04/2021	12.39	16/04/2021	13.28	T	TF2 LV CT burst at Uran.

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/2021

Statement-VII

Position as on 6.30 Hrs of 17/Apr/2021

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Uran - Apta IV	IntraState	16/04/2021	12.39	16/04/2021	13.17	T	TF2 LV CT burst at Uran.
Uran - Kharghar I	IntraState	16/04/2021	12.39	16/04/2021	13.18	T	TF2 LV CT burst at Uran.
Talandge-Mudshingi Ckt-I	IntraState	16/04/2021	15.05	16/04/2021	21.25	EO	Replacement of 220kv B ph CT due to heavy oil leakage.
Warora - Hinganghat	IntraState	16/04/2021	18.10		Continued.	HT	Original ckt is Warora Wardha ckt.
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT-II @Trombay	IntraState	16/04/2021	10.33	16/04/2021	22.51	T	110KV Bus zone PT fail.
220/132kv 200MVA ICT-III @ Nanded	IntraState	16/04/2021	11.35	16/04/2021	12.48	PO	To attend Hot Spot

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