

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Apr/2022 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	167.951	3276.167	1) Gujrat	-3.863	-83.375
2) Hydro	37.234	645.410	2) Madhya Pradesh	10.266	187.163
3) Gas	7.932	134.321	3) Chattisgarh	4.680	92.070
Total MSPGCL	213.117	4055.898	4) Maharashtra	200.923	3471.909
B) 1) APLM	43.668	1394.992	5) Goa (Amona)	-1.717	-31.994
2) JSWEL	21.752	388.590	Total	210.289	3635.773
3) VIPL	0.000	0.000	a) Mumbai Schedule	27.561	587.443
4) RPL(AMT)	31.552	618.791	b) Mumbai Drawl	33.225	650.987
5) SWPGPL	5.361	169.917	c) MSEDCL Bilateral *	83.313	1476.200
6) Other IPP	31.063	672.865	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	27.359	587.131
C) 1) TPCL Thermal	16.393	315.187	Include PX	0.858	0.858
2) TPCL Hydro	5.652	72.609	Standby	0.203	0.311
3) TPCL Gas	3.553	64.850	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.760	230.995	1) MSEDCL	538.771	10565.893
D) STATE			2) Mumbai Discoms	70.583	1334.637
1) Thermal	329.500	7067.504	3) Other Discoms	9.330	179.678
(A1+C1+C4+(B1-B6))			TOTAL STATE	618.684	12080.208
2) Hydro (A2+C2)	42.886	718.019			
3) Gas (A3+B7+C3)	11.485	199.171			
4) Wind	15.613	283.510			
6) SOLAR	8.911	176.222			
TOTAL STATE	408.395	8444.426			

* 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 8 Hrs
MSPGCL Thermal	7057	6845	6988	6991
MSPGCL Hydro	1140	1977	1390	1324
MSPGCL Gas	365	362	270	369
MSPGCL Total Generation	8562	9184	8648	8684
Central Sector Receipt	10592	10310	7998	8324
WIND	366	532	754	474
CPP / IPP Thermal	5599	5605	5435	5564
CPP / IPP Gas	0	0	0	0
SOLAR	1259	747	0	295
Exchange with Mumbai	-1925	-1930	-1352	-1052
MSEDCL DEMAND MET	24025	24035	21047	21890
Load Shedding	0	419	199	0
MSEDCL DEMAND	24025	24454	21246	21890
TPCL GENERATION	1006	1115	1262	940
AEML GENERATION	473	473	501	490
MUMBAI DEMAND	3404	3518	3115	2482
OTHER DISCOM DEMAND	428	413	436	399
STATE DEMAND MET	27857	27966	24598	24771
STATE DEMAND	27857	28385	24797	24771
Frequency (Hz)	49.92	49.65	49.62	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.14 Hz at 06:01 Hrs	49.45 Hz at 14:22 Hrs	49.86	0 % of Time(min)

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

Daily and Progressive Generation,Maximum,Minimum for 20/Apr/2022

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.38	79.80	195	165
Unit 7	0.00	0.00	0	0
Unit 8	13.94	274.77	602	540
Unit 9	13.28	275.00	580	537
Unit 10	1.06	62.00	210	0
Total	32.66	691.56		
Bhusawal				
Unit 3	3.34	47.66	160	115
Unit 4	10.65	189.24	450	410
Unit 5	10.20	193.64	455	335
Total	24.20	430.54		
Parli				
Unit 6	5.48	86.34	240	200
Unit 7	5.06	84.89	223	204
Unit 8	3.28	67.23	152	123
Total	13.82	238.46		
Chandrapur				
Unit 3	3.56	84.39	156	145
Unit 4	3.05	76.39	134	125
Unit 5	7.59	162.60	325	310
Unit 6	9.23	141.58	415	350
Unit 7	9.03	176.65	415	298
Unit 8	10.33	211.31	460	395
Unit 9	10.35	203.64	443	413
Total	53.14	1056.56		
Paras				
Unit 3	5.88	107.81	253	239
Unit 4	5.10	100.67	218	207
Total	10.98	208.48		
Khaparkheda				
Unit 1	3.32	63.25	155	125
Unit 2	3.50	66.68	155	130
Unit 3	4.30	78.74	189	172
Unit 4	3.05	68.02	147	112
Unit 5	10.82	218.30	463	435
Total	25.00	494.98		
Nasik				
Unit 3	4.11	76.98	188	150
Unit 4	0.00	63.85	0	0
Unit 5	4.06	14.77	182	148
Total	8.17	155.60		
Uran				
All Units	7.93	134.32	378	249
Total	7.93	134.32		
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)	0.15	2.59	25	0
Total	0.15	2.59		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	8.36	134.30	550	40
Stage 4	14.43	263.92	1010	0
Stage 3	5.43	86.19	320	138
Total	28.23	484.41		
Hydro				
KDPH	0.79	16.73	33	33
VTRNA	0.85	15.41	61	0
TILLARI	0.52	9.42	58	0
BHIRA T.R.	0.14	3.13	53	0
SMLHY_PTN	5.47	109.41	242	216
GHATGHAR	1.08	4.32	125	0
Total	8.85	158.42		
Wind				
Total	15.61	283.51	0	0
Total	15.61	283.51		
CPP				
APML(Mus)	43.67	1394.99	0	0
JSWEL(Mus)	21.75	388.59	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	31.55	618.79	0	0
SWPGPL-Mus	5.36	169.92	0	0
Other(Mus)	31.06	672.86	0	0
Total	133.40	3245.16		
SOLAR				
Total	8.91	176.22	0	0
Total	8.91	176.22		
Tata				
Trombay 5	10.70	210.81	458	431
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.14	39.18	117	64
Trombay 7B	1.41	25.67	67	51
TATA Hydro	5.65	72.61	439	56
Trombay 8	5.69	104.38	242	230
Total	25.60	452.65		
AEML				
DTPS U-1&2	11.76	231.00	501	443
Total	11.76	231.00		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	167.95	3276.17	MSPGCL Total	213.12	4055.90
			MSPGCL Thml+Gas	175.88	3410.49	Koyna 1,2 & 4 Total	22.80	398.22
			MSPGCL Hydro	37.23	645.41	State Total	408.40	8444.43

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/Apr/2022

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	LOAD SHED DING	MSEDC L DEM. WITH LS	MUMBAI DEMAN D	OTHER DISCOM DEMAN D	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS											
1	6959	2183	358	9500	773	5609	0	0	7914	8189	-1219	22512	0	22512	2746	340	25598	49.95
2	6980	2251	359	9590	575	5610	0	0	7724	8122	-1058	22536	0	22536	2559	303	25398	49.92
3	6962	2212	368	9542	605	5617	0	0	7733	8011	-944	22547	0	22547	2402	284	25233	49.93
4	6967	2216	368	9551	584	5622	0	0	7954	8109	-876	22701	0	22701	2296	289	25286	49.94
5	6952	2185	369	9506	620	5602	0	0	7981	8158	-821	22750	0	22750	2239	315	25304	49.98
6	6998	2264	370	9632	614	5606	0	0	8077	8145	-839	22815	0	22815	2315	343	25473	49.96
7	7013	2252	349	9614	583	5598	0	59	7968	7879	-933	22422	0	22422	2356	378	25156	49.99
8	6991	1324	369	8684	474	5564	0	295	7982	8324	-1052	21890	0	21890	2482	399	24771	50.04
9	7058	448	378	7884	410	5587	0	645	8854	8897	-1325	21680	0	21680	2756	418	24854	50.00
10	7040	902	355	8297	527	5628	0	907	9158	9572	-1615	22888	0	22888	3078	428	26394	49.93
11	7015	1038	366	8419	434	5673	0	1095	10111	10016	-1822	23384	0	23384	3322	431	27137	49.90
12	7057	1140	365	8562	366	5599	0	1259	10630	10592	-1925	24025	0	24025	3404	428	27857	49.92
13	7028	1315	363	8706	342	5602	0	1202	10223	10154	-1892	23690	0	23690	3391	424	27505	49.87
14	7023	1325	354	8702	416	5503	0	1163	10067	10107	-1813	23674	0	23674	3334	404	27412	49.93
15	6952	1647	362	8961	476	5604	0	970	10029	10272	-1896	23992	0	23992	3441	395	27828	49.67
16	6845	1977	362	9184	532	5605	0	747	9773	10310	-1930	24035	419	24454	3518	413	28385	49.65
17	6872	2201	299	9372	639	5511	0	409	9136	8961	-1802	22666	647	23313	3472	424	27209	49.62
18	6917	1451	249	8617	608	5424	0	144	8646	8667	-1639	21385	381	21766	3321	436	25523	49.62
19	6995	1132	250	8377	715	5416	0	16	7876	8005	-1424	20659	196	20855	3153	446	24454	49.78
20	6988	1390	270	8648	754	5435	0	0	7697	7998	-1352	21047	199	21246	3115	436	24797	49.62
21	7084	1072	260	8416	981	5432	0	0	7629	7725	-1304	20833	218	21051	3043	417	24511	49.94
22	7106	992	259	8357	1256	5445	0	0	7497	7668	-1250	21063	176	21239	2969	413	24621	49.83
23	7072	1002	270	8344	1188	5537	0	0	7856	8085	-1245	21515	324	21839	2932	394	25165	49.88
24	7077	1315	260	8652	1141	5567	0	0	7967	8323	-1249	22062	324	22386	2939	372	25697	49.68
MUs	167.95	37.23	7.93	213.12	15.61	133.40	0.00	8.91	206.48	210.29	-33.23	538.77	2.88	541.65	70.58	9.33	621.57	49.86

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 20/Apr/2022

Position as on 6.30 Hrs of 21/Apr/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
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)	
CENT.SECTOR	Tarapur 1	160	08/01/2020	10:37		Continued.	Refueling. While refueling preparation, some repair works identified which are being executed before refueling.	31/03/2023
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	
CENT.SECTOR	Tarapur 2	160	13/07/2020	04:38		Continued.	For cleaning of clogged basket strainer of cooling water system due to heavy ingress of debris from sea. The outage extended for repair and re-fueling.	31/03/2023
MSPGCL	Koradi Unit 7	210	27/04/2021	20.03		Continued.	Retired (04/08/2021 At 00.00)	
IPP	JSW (J) U1	300	16/03/2022	23:16		Continued.	Turbine Vibration	
MSPGCL	Koradi Unit-10	660	07/04/2022	08:08	20/04/2022	17:31	Condenser Cleaning work.	
IPP	SWPGPL U-3	135	16/04/2022	15:52		Continued.	APH problem	
MSPGCL	Nasik Unit 4	210	16/04/2022	20:58		Continued.	Condenser Tube Leakage	
MSPGCL	Ghatghar Unit-1	125	20/04/2022	00:35		Continued.	Stator Earth Fault	
MSPGCL	Uran Unit 6	108	20/04/2022	16:27	20/04/2022	16:28	WRONG ENTRY	
IPP	SWPGPL U-4	135	20/04/2022	16:55		Continued.	PA Fan Vibration Problem	
MSPGCL	Uran Unit 5	108	20/04/2022	16::27		Continued.	Gas shortage	
MSPGCL	Khaparkheda Unit 2	210	21/04/2022	07:06		Continued.	Unit Auxiliary Transformer Tripped.	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Apr/2022

Statement-VII

Position as on 6.30 Hrs of 21/Apr/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LR Outages/Trippings							
Pole-2 Non base AC filter Z3 (120 MVAR) @ Chandrapur HVDC	IntraState	20/04/2022	08:44			PO	For Refurbishment & RTV Coating of AC Filter Air Core reactor through Expert Agency as per OEM M/s Trench Austria guidelines hence this work to be carried out on top priority to avoid Failure of Air Core Reactor
400 KV TIEBAY Outages/Trippings							
400KV TIE BAY 411 STN T/F 2-KORADI CKT	InterState	19/04/2022	06:18	20/04/2022	19:32	EO	Circuit Breaker SF6 gas replenishment alarm generating in 'B' phase of Tie breaker (411) is coming intermittently at present. Hence topping up of Gas is essential after checking of leakage and arresting, if any. Trials/Testing shall be taken after gas filling/arresting work.
400 KV LINE Outages/Trippings							
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	20/04/2022	11:23			HT	HT for Load Management
NEW KOYNA - DABHOL CKT - 2	IntraState	20/04/2022	13:11			PO	C.B. Overhauling work shifting TBC.
JAIGAD - NEW KOYNA CKT - 1	IntraState	20/04/2022	15:47	20/04/2022	17:15	PO	Reprogramming of ABT/Summation meter for KVAH billing
CHANDRAPUR 2 - KUMBHARGAON(NANDED) CKT - 2	IntraState	20/04/2022	16:26	20/04/2022	20:50	T	Distance protection tripped
JAIGAD - NEW KOYNA CKT - 2	IntraState	20/04/2022	17:16	20/04/2022	18:16	PO	Reprogramming of ABT/Summation meter for KVAH billing
220 KV TBC Outages/Trippings							
TBC @ VERSOVA (AEML)	IntraState	20/04/2022	09:19			PO	Safety Purpose during replacement of Bphase bushing of NGT-1.
220 KV LINE Outages/Trippings							
MULUND - GIS BHANDUP	IntraState	29/01/2022	15:44			T	cABLE FAULT
TROMBAY (M) - CHEMBUR CKT - 3	IntraState	13/04/2022	13:25			PO	Bunching work at Loc No. 723 & 62
PARGAON(KATHAPUR)-LONIKAND	IntraState	19/04/2022	16:44	20/04/2022	00:31	PO	Work of Replacement of Disc Insulator String at Loc No 342 & to attend Hot Spot at Loc No 333,348 & 365 by Double Jumpering Work.
KANDALGAON - SONA ALLOYS	IntraState	19/04/2022	18:15	20/04/2022	00:10	EO	Replacement of damaged conductor at Loc No.D34, D35 & 209
TROMBAY MSETCL TIE - 1	IntraState	20/04/2022	00:35	20/04/2022	07:48	PO	for insulator replacement at Trombay Gantry.
BHUGAON - WARDHA (PG)	IntraState	20/04/2022	00:41	20/04/2022	07:02	HT	TO CONTROL OD
BUS - 1 @ TROMBAY	IntraState	20/04/2022	01:00	20/04/2022	06:33	PO	for Preventive Maintenance of 220 KV Isolator and breaker.
PADGHE - JAMBHUL 1	IntraState	20/04/2022	04:24	20/04/2022	05:23	PO	For removing tapping arrangement as soak test is done on 220kV Padgha - Jambhul line on Loc no. 43.
BUS @ BARSHI	IntraState	20/04/2022	09:09	20/04/2022	14:42	PO	An outage is required for Quarterly Maintenance
KARAD - OGALEWADI CKT 2	IntraState	20/04/2022	09:45	20/04/2022	12:43	PO	Fixing of TSR-II & relay testing work. Quart. maint work
LAMBOTI - TULJAPUR CKT - 2	IntraState	20/04/2022	10:05	20/04/2022	13:10	PO	Protection trials of TBC-1 & TBC-2 and quarterly maintenance
KARAD - NERLE	IntraState	20/04/2022	10:33	20/04/2022	17:54	PO	Fixing of TSR-II & relay testing work. Quart. maint work

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Apr/2022

Statement-VII

Position as on 6.30 Hrs of 21/Apr/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
TALEGAON (AMBI)-GENERAL MOTORS	IntraState	20/04/2022	13:00	20/04/2022	16:55	EO	Replacement of R-ph WT suspension insulator string at GM end
KANDALGAON - SONA ALLOYS	IntraState	20/04/2022	18:14	20/04/2022	22:39	PO	For replacement of damaged conductor at Loc No.D34, D35, 209
220 KV ICT Outages/Trippings							
220 / 110 / 22kV 250 MVA ICT 1 @ SALSETTE	IntraState	12/10/2020	11:35			T	Tripped due to Grid disturbance.
220/22 KV 50 MVA PTR 1 @ KANDALGAON	IntraState	14/12/2021	16:55			EO	For dismantailing said 50MVA T/f 1 at 220 kV K'gaon S/s
220/132 KV 200 MVA ICT 3 @ BABHLESHWAR	IntraState	20/12/2021	22:45			T	Tripped on Diferrential protection and Declare faulty
220/132 KV 100 MVA ICT 1 @ LONIKAND 2	IntraState	01/03/2022	18:17			T	Differential Protection
220/33kV 100 MVA TF 1 @ VERSOVA (AEML)	IntraState	20/04/2022	09:19	20/04/2022	18:16	PO	Replacement of B-phase phasing bushing of NGT-1
220/33 KV 50 MVA PTR 1	IntraState	20/04/2022	09:41			PO	50MVA BBL TF-1 Top plate gasket replacement work including radiators gasket and all allied works.
220/100 KV 100 MVA ICT 2 @ KANDALGAON	IntraState	20/04/2022	09:53	20/04/2022	19:20	PO	Spray Painting work of ICT-2
220/132 KV 200 MVA PTR NO 6 @ PARVATI	IntraState	20/04/2022	10:30	20/04/2022	13:20	PO	TF B ph HV main Bus T jump hot spot attending (119.30C) by hot line method.
220/132 KV 100MVA ICT 2 @ SOUTH SOLAPUR	IntraState	20/04/2022	10:44	20/04/2022	12:57	PO	An outage is required for Quarterly Maintenance
220/22 KV 50 MVA PTR 1	IntraState	20/04/2022	10:45	20/04/2022	18:20	PO	Repairing Damaged HV Bushing Neutral Earth Strip near Eart Pit , Tree Cutting near Transformer, LA Megerring, Hot spot attending work & Bay Maintaince work.
132 KV LINE Outages/Trippings							
KANHAN-MANSAR	IntraState	20/04/2022	10:25	20/04/2022	16:02	PO	Routine Maintenance work.
110 KV LINE Outages/Trippings							
WAGHIVALI - CHEMBUR	IntraState	04/02/2022	10:30			PO	Construction of 400KV M/C Kharghar-Vikhroli Transmission line along with Dismantling, De-Stringining of existing 110KV Waghivali-Mankhurd and Waghivali-Chembur lines and shfiting these lines on new Multicircuit Towers between Darave to Vashi.
WAGHIVALI - MANKHURD	IntraState	04/02/2022	10:30			PO	Construction of 400KV M/C Kharghar-Vikhroli Transmission line along with Dismantling, De-Stringining of existing 110KV Waghivali-Mankhurd and Waghivali-Chembur lines and shfiting these lines on new Multicircuit Towers between Darave to Vashi.

HT : Hand Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage