

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Apr/2022 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	170.298	3446.465	1) Gujrat	-4.035	-87.410
2) Hydro	21.954	667.364	2) Madhya Pradesh	10.710	197.873
3) Gas	6.249	140.570	3) Chattisgarh	4.570	96.640
Total MSPGCL	198.501	4254.399	4) Maharashtra	190.890	3662.799
B) 1) APLM	43.900	1438.892	5) Goa (Amona)	-1.677	-33.671
2) JSWEL	22.290	410.880	Total	200.458	3836.231
3) VIPL	0.000	0.000	a) Mumbai Schedule	29.062	616.505
4) RPL(AMT)	31.625	650.416	b) Mumbai Drawl	33.101	684.088
5) SWPGPL	4.556	174.473	c) MSEDCL Bilateral *	65.903	1542.102
6) Other IPP	31.523	704.388	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	28.872	616.004
C) 1) TPCL Thermal	16.208	331.395	Include PX	0.000	0.858
2) TPCL Hydro	6.600	79.209	Standby	0.190	0.501
3) TPCL Gas	3.117	67.967	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.879	242.874	1) MSEDCL	518.992	11084.885
D) STATE			2) Mumbai Discoms	70.905	1405.542
1) Thermal	332.279	7399.783	3) Other Discoms	9.127	188.805
(A1+C1+C4+(B1-B6))			TOTAL STATE	599.024	12679.232
2) Hydro (A2+C2)	28.554	746.573			
3) Gas (A3+B7+C3)	9.366	208.537			
4) Wind	21.438	304.948			
6) SOLAR	6.929	183.151			
TOTAL STATE	398.566	8842.992			

* 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 15 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 8 Hrs
MSPGCL Thermal	6972	7236	7229	6843
MSPGCL Hydro	469	792	1159	900
MSPGCL Gas	250	271	250	270
MSPGCL Total Generation	7691	8299	8638	8013
Central Sector Receipt	9769	10119	7562	7714
WIND	1002	470	591	1203
CPP / IPP Thermal	5496	5560	5615	5505
CPP / IPP Gas	0	0	0	0
SOLAR	1024	802	0	176
Exchange with Mumbai	-1804	-1900	-1384	-1043
MSEDCL DEMAND MET	22756	22922	20593	21192
Load Shedding	194	212	193	149
MSEDCL DEMAND	22950	23134	20786	21341
TPCL GENERATION	1024	1085	1265	906
AEML GENERATION	488	489	498	492
MUMBAI DEMAND	3316	3474	3147	2441
OTHER DISCOM DEMAND	422	428	429	376
STATE DEMAND MET	26494	26824	24169	24009
STATE DEMAND	26688	27036	24362	24158
Frequency (Hz)	49.89	49.84	49.88	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.16 Hz at 18:00 Hrs	49.63 Hz at 23:07 Hrs	49.89	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 21/Apr/2022

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.39	84.19	195	165
Unit 7	0.00	0.00	0	0
Unit 8	12.51	287.28	601	472
Unit 9	13.86	288.86	595	553
Unit 10	8.48	70.48	440	212
Total	39.24	730.80		
Bhusawal				
Unit 3	2.86	50.52	135	100
Unit 4	9.22	198.46	420	345
Unit 5	8.89	202.54	400	330
Total	20.98	451.52		
Parli				
Unit 6	5.08	91.42	237	171
Unit 7	5.09	89.98	227	194
Unit 8	3.32	70.55	148	131
Total	13.49	251.95		
Chandrapur				
Unit 3	3.61	88.00	180	145
Unit 4	3.17	79.56	150	126
Unit 5	7.55	170.16	325	310
Unit 6	9.71	151.29	410	398
Unit 7	9.60	186.24	440	350
Unit 8	9.84	221.15	427	380
Unit 9	10.53	214.16	445	424
Total	54.01	1110.57		
Paras				
Unit 3	5.70	113.51	248	192
Unit 4	5.22	105.89	233	193
Total	10.92	219.40		
Khaparkheda				
Unit 1	3.28	66.53	155	105
Unit 2	1.66	68.33	150	0
Unit 3	4.36	83.10	188	173
Unit 4	3.45	71.46	155	134
Unit 5	10.84	229.13	465	445
Total	23.58	518.56		
Nasik				
Unit 3	4.14	81.13	193	0
Unit 4	0.00	63.85	0	0
Unit 5	3.93	18.70	187	133
Total	8.08	163.68		
Uran				
All Units	6.25	140.57	280	246
Total	6.25	140.57		
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)	0.10	2.69	26	0
Total	0.10	2.69		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	5.61	139.91	535	40
Stage 4	6.22	270.14	750	0
Stage 3	2.32	88.51	206	0
Total	14.15	498.56		
Hydro				
KDPH	0.77	17.50	32	32
VTRNA	0.75	16.16	60	0
TILLARI	0.52	9.94	58	0
BHIRA T.R.	0.26	3.39	40	0
SMLHY_PTN	5.40	114.82	239	210
GHATGHAR	0.00	4.32	0	0
Total	7.70	166.12		
Wind				
Total	21.44	304.95	0	0
Total	21.44	304.95		
CPP				
APML(Mus)	43.90	1438.89	0	0
JSWEL(Mus)	22.29	410.88	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	31.62	650.42	0	0
SWPGPL-Mus	4.56	174.47	0	0
Other(Mus)	31.52	704.39	0	0
Total	133.89	3379.05		
SOLAR				
Total	6.93	183.15	0	0
Total	6.93	183.15		
Tata				
Trombay 5	10.66	221.47	473	411
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.81	40.99	113	58
Trombay 7B	1.31	26.98	66	48
TATA Hydro	6.60	79.21	426	133
Trombay 8	5.55	109.93	242	214
Total	25.92	478.57		
AEML				
DTPS U-1&2	11.88	242.87	502	485
Total	11.88	242.87		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	170.30	3446.46	MSPGCL Total	198.50	4254.40
			MSPGCL Thml+Gas	176.55	3587.04	Koyna 1,2 & 4 Total	11.83	410.05
			MSPGCL Hydro	21.95	667.36	State Total	398.57	8842.99

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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 DEMAND	OTHER DISCOM DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS											
1	7102	1687	249	9038	1070	5573	0	0	7372	7848	-1182	22042	440	22482	2810	305	25597	49.77
2	7140	1525	280	8945	1222	5617	0	0	7338	7347	-1030	21794	499	22293	2600	307	25200	49.81
3	7081	1569	249	8899	1328	5594	0	0	7302	7383	-883	22038	102	22140	2403	283	24826	49.73
4	7068	1524	270	8862	1347	5588	0	0	7317	7502	-863	22161	135	22296	2293	275	24864	49.70
5	7081	1310	270	8661	1325	5573	0	0	7400	7566	-820	21998	440	22438	2230	307	24975	49.85
6	7020	1174	269	8463	1350	5556	0	0	7405	7588	-843	21782	441	22223	2316	332	24871	49.95
7	6982	1214	250	8446	1224	5587	0	29	7385	7571	-914	21591	357	21948	2329	352	24629	49.93
8	6843	900	270	8013	1203	5505	0	176	7627	7714	-1043	21192	149	21341	2441	376	24158	49.96
9	6742	459	269	7470	1199	5514	0	361	8684	8743	-1260	21634	45	21679	2718	393	24790	49.98
10	6814	681	250	7745	1204	5500	0	640	9025	9494	-1550	22634	33	22667	3013	399	26079	49.99
11	6865	474	269	7608	1136	5492	0	860	10113	9671	-1715	22638	147	22785	3222	414	26421	49.98
12	6972	469	250	7691	1002	5496	0	1024	10294	9769	-1804	22756	194	22950	3316	422	26688	49.89
13	7078	464	272	7814	709	5504	0	1013	9889	9824	-1829	22625	0	22625	3328	410	26363	49.93
14	7187	600	253	8040	559	5525	0	937	9658	10124	-1779	23010	0	23010	3306	395	26712	50.00
15	7236	792	271	8299	470	5560	0	802	9833	10119	-1900	22922	212	23134	3474	428	27036	49.84
16	7218	842	255	8315	393	5606	0	564	9470	9460	-1958	21952	1039	22991	3595	428	27014	49.80
17	7228	503	272	8003	359	5598	0	355	8722	8794	-1794	20882	1167	22049	3509	433	25991	49.95
18	7221	487	252	7960	431	5611	0	155	7917	7923	-1642	19986	1026	21012	3361	452	24825	50.01
19	7235	600	270	8105	407	5635	0	13	7429	7634	-1416	19947	484	20431	3168	431	24030	49.94
20	7229	1159	250	8638	591	5615	0	0	7416	7562	-1384	20593	193	20786	3147	429	24362	49.88
21	7182	500	259	7941	697	5599	0	0	7388	7595	-1350	20061	231	20292	3089	421	23802	49.99
22	7317	857	246	8420	838	5656	0	0	7165	7311	-1313	20514	230	20744	3048	398	24190	49.86
23	7336	871	257	8464	736	5686	0	0	7633	7949	-1373	21078	547	21625	3071	384	25080	49.84
24	7121	1293	247	8661	638	5704	0	0	7600	7967	-1456	21158	594	21752	3118	356	25226	49.81
MUs	170.30	21.95	6.25	198.50	21.44	133.89	0.00	6.93	197.38	200.46	-33.10	518.99	8.70	527.70	70.91	9.13	607.73	49.89

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 21/Apr/2022

Position as on 6.30 Hrs of 22/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 U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
PGPL	PGPL U1	262	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	
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	
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	21/04/2022	18:20	Unit Auxiliary Transformer Tripped.	
MSPGCL	Nasik Unit 3	210	21/04/2022	23:00	22/04/2022	01:35	EARTHFAULT PROTECTION OPERATED	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Apr/2022

Statement-VII

Position as on 6.30 Hrs of 22/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	21/04/2022	18:29	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 LINE Outages/Trippings							
DHULE - SSNNL CKT - 2	InterState	21/04/2022	09:38	21/04/2022	17:26	PO	Replacement of damaged earthwire, replacement of PID suspicious disc insulator strings and other routine maintenance work. 400kV SSNNL Ckt-1 A/R switch will be kept on non auto mode.
LAMBOTI - SOLAPUR (PG)	InterState	21/04/2022	15:17	21/04/2022	16:10	T	DP
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 - KARAD CKT - 1	IntraState	21/04/2022	10:39	21/04/2022	12:38	PO	Reprogramming of ABT/Summation meter for KVAH billing
400 KV WALUJ (400 KV) - BABHALESHWAR CKT	IntraState	21/04/2022	10:53			PO	PG Isolator overhauling work and Hot spot attending work by Hot Line Method of Rph 89A Iso.400kV Waluj-Babhleshwar Line remain Charged through TBC Bay A/R REQUIRED IN NON AUTO MODE
PARLI - KARJAT CKT - 1	IntraState	21/04/2022	11:37	21/04/2022	15:43	T	Distance Protection
JAIGAD - KARAD CKT - 2	IntraState	21/04/2022	14:44	21/04/2022	16:59	PO	Reprogramming of ABT/Summation meter for KVAH billing
CHANDRAPUR-PARLI CKT-3	IntraState	21/04/2022	16:56			PO	line maintenance
400 KV ICT Outages/Trippings							
400/220 KV 500 MVA ICT @ ALKUD	IntraState	22/04/2022	05:10	22/04/2022	06:20	T	y-ph breaker pole burst of tie breaker 402 while taking out the reactor
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
KALWA SALSETTE - 3	IntraState	21/04/2022	00:15	21/04/2022	04:21	PO	For replacing LA at Kalwa END.
APTA - TAMBATI	IntraState	21/04/2022	08:58	21/04/2022	11:23	PO	Repairing of damaged conductor between Loc no. 561 to 562 by pressing MSCJ.
THEUR-PHURSUNGI CKT I	IntraState	21/04/2022	10:01	21/04/2022	14:42	PO	Replacement of string at loc. No. 19 R phase, SP due to flash over
BHOSARI 2 - TELCO	IntraState	21/04/2022	10:29			PO	1. Half yearly maintenance work 2. Annual testing of 220 KV Bhosari-2-Telco line
BABLESHWAR- ALEPHATA CKT - 1	IntraState	21/04/2022	11:53	21/04/2022	20:00	PO	High tan delta 220KV CT Replacement work.
EKLAHARE (OCR) - PADGHE	IntraState	21/04/2022	15:31			HT	To control OD

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Tripping for 21/Apr/2022

Statement-VII

Position as on 6.30 Hrs of 22/Apr/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
TROMBAY (M) - CHEMBUR CKT - 3	IntraState	21/04/2022	16:37			EO	Removing of bunching at Loc no.63 & 727 and restoration of 220KV Chembur-Trombay-3 line and 220KV Kalwa- Trombay line.
TROMBAY - KALWA	IntraState	21/04/2022	16:37			EO	Removing of bunching at Loc no.63 & 727 and restoration of 220KV Chembur-Trombay-3 line and 220KV Kalwa- Trombay line.
PAL DOMBIVALI - PALAVA	IntraState	22/04/2022	04:27			T	R-ph conductor snapped at tower 2 outside palava.
220 KV ICT Outages/Tripping							
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 dismantling 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 Differential 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	21/04/2022	16:57	PO	Removal of trapped air from NGT-1 after replacement of B phase Bushing.
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.
220/22-22 KV 50 MVA PTR 4 @ MULUND	IntraState	21/04/2022	05:20	21/04/2022	08:18	PO	Providing water pipe line on Radiator for external cooling system.
220/132 KV 150 MVA PTR NO 7	IntraState	21/04/2022	08:43	21/04/2022	19:30	PO	For HYM, DT and Oil leakage attending work
220/100 KV 100 MVA ICT 2 @ KANDALGAON	IntraState	21/04/2022	09:58	21/04/2022	18:36	PO	Spray Painting work of ICT-2
220/22 KV 50 MVA PTR 2	IntraState	21/04/2022	09:59	21/04/2022	17:18	PO	Finding DC leakage LA meggering, Hot spot attending work and bay maintenance work and R&M work
220/33 KV 125MVA TF-3 @ BORIVALI (AEML)	IntraState	21/04/2022	10:11			PO	1)Degassification of Transformer oil, installation of DGA & BMS system and 33kV Incomer Cable connection. 2. Annual and premonsoon Maintenance of Transformer
220/100 KV 200 MVA ICT 2 @ TROMBAY	IntraState	21/04/2022	14:44	21/04/2022	18:29	T	Bucholze relay
110 KV LINE Outages/Tripping							
WAGHIVALI - MANKHURD	IntraState	04/02/2022	10:30			PO	Construction of 400KV M/C Kharghar-Vikhroli Transmission line along with Dismantling, De-Stringing of existing 110KV Waghivali-Mankhurd and Waghivali-Chembur lines and shifting these lines on new Multicircuit Towers between Darave to Vashi.
WAGHIVALI - CHEMBUR	IntraState	04/02/2022	10:30			PO	Construction of 400KV M/C Kharghar-Vikhroli Transmission line along with Dismantling, De-Stringing of existing 110KV Waghivali-Mankhurd and Waghivali-Chembur lines and shifting these lines on new Multicircuit Towers between Darave to Vashi.

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