

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 31/Mar/2022 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	156.919	4905.102	1) Gujrat	-5.444	-181.039
2) Hydro	36.701	828.952	2) Madhya Pradesh	7.994	287.711
3) Gas	6.801	151.958	3) Chattisgarh	5.120	158.870
Total MSPGCL	200.421	5886.012	4) Maharashtra	165.016	5194.167
B) 1) APLM	76.268	2289.644	5) Goa (Amona)	-1.978	-43.903
2) JSWEL	20.912	616.476	Total	170.708	5415.806
3) VIPL	0.000	0.000	a) Mumbai Schedule	27.268	864.587
4) RPL(AMT)	25.768	788.254	b) Mumbai Drawl	29.740	948.083
5) SWPGPL	6.292	188.329	c) MSEDCL Bilateral *	73.557	2978.333
6) Other IPP	36.164	1189.736	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	27.268	863.104
C) 1) TPCL Thermal	16.662	414.191	Include PX	0.000	5.604
2) TPCL Hydro	6.243	155.612	Standby	0.000	1.483
3) TPCL Gas	2.356	59.182	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.775	311.302	1) MSEDCL	527.458	15740.832
D) STATE			2) Mumbai Discoms	66.776	1888.369
1) Thermal	350.760	10703.034	3) Other Discoms	9.094	272.217
(A1+C1+C4+(B1-B6))			TOTAL STATE	603.328	17901.418
2) Hydro	42.944	984.564			
(A2+C2)					
3) Gas	9.157	211.140			
(A3+B7+C3)					
4) Wind	20.361	342.585			
6) SOLAR	9.398	244.290			
TOTAL STATE	432.620	12485.613			

* 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 7 Hrs
MSPGCL Thermal	6605	6657	6411	6447
MSPGCL Hydro	1928	1227	1988	1673
MSPGCL Gas	285	264	268	292
MSPGCL Total Generation	8818	8148	8667	8412
Central Sector Receipt	8459	9022	6411	6129
WIND	330	410	974	752
CPP / IPP Thermal	6877	6743	6966	6953
CPP / IPP Gas	0	0	0	0
SOLAR	1249	1235	0	22
Exchange with Mumbai	-1672	-1707	-1273	-807
MSEDCL DEMAND MET	23639	23431	21348	21097
Load Shedding	460	96	0	223
MSEDCL DEMAND	24099	23527	21348	21320
TPCL GENERATION	1164	1086	1177	926
AEML GENERATION	496	495	499	500
MUMBAI DEMAND	3332	3288	2949	2233
OTHER DISCOM DEMAND	422	419	397	364
STATE DEMAND MET	27393	27139	24694	23694
STATE DEMAND	27853	27235	24694	23917
Frequency (Hz)	49.99	50.01	49.94	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.18 Hz at 18.01 Hrs	49.74 Hz at 14.18 Hrs	49.95	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 31/Mar/2022

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.64	123.12	165	130
Unit 7	0.00	0.00	0	0
Unit 8	14.24	430.28	606	529
Unit 9	13.86	412.82	590	565
Unit 10	10.12	315.72	480	372
Total	41.86	1281.94		
Bhusawal				
Unit 3	0.00	44.63	0	0
Unit 4	5.75	288.90	450	0
Unit 5	10.28	159.30	455	410
Total	16.04	492.84		
Parli				
Unit 6	3.45	118.21	242	0
Unit 7	0.00	87.83	0	0
Unit 8	3.58	106.95	162	141
Total	7.03	312.99		
Chandrapur				
Unit 3	4.48	102.19	193	178
Unit 4	4.04	123.23	173	166
Unit 5	8.62	247.48	370	325
Unit 6	9.31	188.06	400	370
Unit 7	8.81	273.79	393	273
Unit 8	10.16	283.02	450	387
Unit 9	10.21	318.71	436	390
Total	55.63	1536.49		
Paras				
Unit 3	5.58	157.49	250	205
Unit 4	1.74	151.97	244	0
Total	7.32	309.46		
Khaparkheda				
Unit 1	2.80	101.32	135	100
Unit 2	3.40	108.15	150	125
Unit 3	3.86	115.53	173	154
Unit 4	2.71	122.94	161	0
Unit 5	11.02	296.99	475	450
Total	23.80	744.92		
Nasik				
Unit 3	1.20	32.40	195	0
Unit 4	4.05	119.96	189	116
Unit 5	0.00	74.10	0	0
Total	5.25	226.46		
Uran				
All Units	6.80	151.96	301	264
Total	6.80	151.96		
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)	0.11	4.13	33	0
Total	0.11	4.13		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	8.34	174.72	540	40
Stage 4	14.76	315.55	892	70
Stage 3	4.70	104.61	314	0
Total	27.80	594.87		
Hydro				
KDPH	0.86	19.99	36	36
VTRNA	0.56	7.20	59	0
TILLARI	0.52	6.49	58	0
BHIRA T.R.	0.24	8.75	77	0
SMLHY_PTN	6.61	187.52	286	254
GHATGHAR	0.00	0.00	0	0
Total	8.79	229.95		
Wind				
Total	20.36	342.58	0	0
Total	20.36	342.58		
CPP				
APML(Mus)	76.27	2289.64	0	0
JSWEL(Mus)	20.91	616.48	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.77	788.25	0	0
SWPGPL-Mus	6.29	188.33	0	0
Other(Mus)	36.16	1189.74	0	0
Total	165.40	5072.44		
SOLAR				
Total	9.40	244.29	0	0
Total	9.40	244.29		
Tata				
Trombay 5	11.07	268.64	481	420
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.30	35.22	59	51
Trombay 7B	1.06	23.96	47	43
TATA Hydro	6.24	155.61	411	91
Trombay 8	5.59	145.55	237	200
Total	25.26	628.98		
AEML				
DTPS U-1&2	11.78	311.30	502	400
Total	11.78	311.30		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	156.92	4905.10	MSPGCL Total	200.42	5886.01
			MSPGCL Thml+Gas	163.72	5057.06	Koyna 1,2 & 4 Total	23.10	490.26
			MSPGCL Hydro	36.70	828.95	State Total	432.62	12485.61

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/Mar/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	6949	1764	300	9013	1115	6915	0	0	6460	6657	-1137	22238	0	22238	2700	325	25263	49.93
2	6921	1735	290	8946	1247	6919	0	0	6313	6277	-978	22101	0	22101	2484	310	24895	49.92
3	6859	1677	290	8826	1329	6925	0	0	6183	6133	-837	22089	0	22089	2292	287	24668	49.95
4	6831	1471	291	8593	1267	6905	0	0	6106	6308	-768	22014	0	22014	2180	291	24485	49.97
5	6721	1578	290	8589	1129	6832	0	0	6193	6242	-768	21715	7	21722	2116	309	24147	49.87
6	6632	1816	291	8739	957	6934	0	0	6078	6291	-771	21830	165	21995	2154	320	24469	49.82
7	6447	1673	292	8412	752	6953	0	22	6097	6129	-807	21097	223	21320	2233	364	23917	49.94
8	6217	1825	301	8343	550	7075	0	273	6287	6680	-881	21648	0	21648	2346	392	24386	49.97
9	6455	1063	290	7808	421	6962	0	633	7009	7048	-1172	21285	0	21285	2649	415	24349	50.00
10	6546	1262	278	8086	423	6819	0	941	7629	8188	-1396	22637	0	22637	2980	424	26041	49.98
11	6519	1754	276	8549	356	7020	0	1139	8041	8245	-1605	23281	122	23403	3239	423	27065	49.99
12	6605	1928	285	8818	330	6877	0	1249	8384	8459	-1672	23639	460	24099	3332	422	27853	49.99
13	6657	1227	264	8148	410	6743	0	1235	9186	9022	-1707	23431	96	23527	3288	419	27235	50.01
14	6620	765	284	7669	588	6702	0	1179	9340	9170	-1649	23260	0	23260	3166	399	26825	49.95
15	6477	1468	264	8209	638	6787	0	1085	8655	8814	-1695	23423	74	23497	3202	415	27114	49.88
16	6186	1804	274	8264	675	6869	0	865	8094	8227	-1644	22840	518	23358	3201	416	26975	49.97
17	6181	1755	265	8201	720	6895	0	560	7574	7372	-1535	21803	111	21914	3147	410	25471	49.89
18	6162	1854	275	8291	826	6770	0	207	7172	7129	-1414	21395	0	21395	3053	414	24862	50.00
19	6307	1147	287	7741	826	6930	0	11	6649	6866	-1285	20663	0	20663	2953	426	24042	49.97
20	6411	1988	268	8667	974	6966	0	0	6553	6411	-1273	21348	0	21348	2949	397	24694	49.94
21	6378	1636	288	8302	1088	6915	0	0	6513	6177	-1224	20858	0	20858	2888	400	24146	49.95
22	6429	1076	289	7794	1168	6862	0	0	6497	6250	-1130	20555	0	20555	2783	389	23727	49.96
23	6641	1005	279	7925	1261	6896	0	0	6548	6518	-1172	21055	0	21055	2721	373	24149	49.98
24	6768	1430	290	8488	1311	6933	0	0	6578	6095	-1220	21251	0	21251	2720	356	24327	49.94
MUs	156.92	36.70	6.80	200.42	20.36	165.40	0.00	9.40	170.14	170.71	-29.74	527.46	1.78	529.23	66.78	9.09	605.10	49.95

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 31/Mar/2022

Position as on 6.30 Hrs of 01/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)	
MSPGCL	Ghatghar Unit-1	125	17/02/2022	21:55		Continued.	SFC HEAVY FAULT	
IPP	SWPGPL U-4	135	25/02/2022	16:47		Continued.	Turbine Vibration	
IPP	RPL(AMT) U-1	270	07/03/2022	02:39	01/04/2022	00:04	Generator Protection operated. (from 15/03/2022 due to coal shortage)	
MSPGCL	Ghatghar Unit-2	125	11/03/2022	01:25		Continued.	TRIPPED ON SFC HEAVY FAULT WHILE TAKING ON PUMPING MODE.(PUMPING TRIAL CARRIED OUT SUCCESSFULLY FROM 20:35HRS TO 22:35HRS DT.10/03/22)	
IPP	JSW (J) U1	300	16/03/2022	23:16		Continued.	Turbine Vibration	
MSPGCL	Bhusawal Unit 3	210	20/03/2022	07:00		Continued.	Coal Shortage	
MSPGCL	Nasik Unit 5	210	22/03/2022	23:40		Continued.	Withdrawn	
MSPGCL	Parli Unit 6	250	25/03/2022	18:33	31/03/2022	04:25	Boiler Tube Leakage	
MSPGCL	Uran Unit 5	108	26/03/2022	18:25		Continued.	Gas shortage	
MSPGCL	Parli Unit 7	250	30/03/2022	13:30		Continued.	Furnace Pressure High	
MSPGCL	Bhusawal Unit 4	500	31/03/2022	04:27	31/03/2022	07:29	Flame Failure	31/03/2022
MSPGCL	Nasik Unit 3	210	31/03/2022	06:25		Continued.	Boiler Tube Leakage	02/04/2022
MSPGCL	Khaparkheda Unit 4	210	31/03/2022	06:37	31/03/2022	10:12	Furnace Pressure High	31/03/2022
MSPGCL	Paras Unit 4	250	31/03/2022	06:38	31/03/2022	21:24	Furnace Pressure High	
MSPGCL	Koyna STG-IV Unit-1	250	31/03/2022	14:00	31/03/2022	18:25	Drain Valve water leakage	30/03/2022
MSPGCL	Bhusawal Unit 4	500	31/03/2022	14:37	31/03/2022	18:24	electric line fault	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 31/Mar/2022

Position as on 6.30 Hrs of 01/Apr/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Chandrapur Unit 6	500	01/04/2022	02:35		Continued.	Turbine vibration	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Mar/2022

Statement-VII

Position as on 6.30 Hrs of 01/Apr/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
CHANDRAPUR - PADGHE HVDC POLE 1	IntraState	31/03/2022	00:28	31/03/2022	04:27	EO	for urgent replacement of suspected 2A winding WTI of P1 R-ph Converter Transformer at HVDC Chandrapur
400 KV LINE Outages/Trippings							
KORADI - SATPUR	InterState	31/03/2022	11:56	31/03/2022	13:21	T	TRIPPED ON DIST PROTN.
LONIKAND I - TALEGAON (PGCIL)	InterState	31/03/2022	17:49			PO	Routine maintenance and testing activities.
BABHALESHWAR - RPL(NSK) CKT - 2	IntraState	21/03/2022	16:45			PO	for 400kV Quad Moose conductor's stringing work across the samruddhi Maha marg road.
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	29/03/2022	13:28			T	HT FOR LOAD MANAGEMENT
CHANDRAPUR-PARLI CKT-3	IntraState	30/03/2022	06:51			T	Tripped on DP
CHANDRAPUR - KHAPERKHEDA	IntraState	31/03/2022	11:04	31/03/2022	14:56	T	TRIPPED ON DIST PROTN.
KHADKA-AURANGABAD	IntraState	31/03/2022	14:12	31/03/2022	18:36	T	tripped on dist protection
KHADKA- DEEPNAGAR CKT 2	IntraState	31/03/2022	14:37	31/03/2022	16:10	T	tripped on dist protection
JEJURI- KOYNA STAGE-IV	IntraState	01/04/2022	00:16	01/04/2022	02:46	PO	For Attending Hot-Spot at Loc.No. 82 Y-ph Temp. is around 80-90 Degree Cel. Work Involved : Replacement of Burntout Nut-bolts and tightning of remaining Nut-Bolts Time Required : 01 Hr
400 KV ICT Outages/Trippings							
400/220KV 105 MVA SPARE ICT @ KARAD	IntraState	23/03/2022	10:14			EO	Spare ICT -1 will be taken into service through RRS in place of ICT-I R ph unit due to rising trend of various gases in ICT-I R ph unit
400/220/33 KV 315 MVA ICT - 2 @ CHANDRAPUR	IntraState	30/03/2022	11:47	31/03/2022	21:09	PO	3) Maintenance and alignments of PG-1, PG-2, PG-3 Isolators and CB Isolators. 1) Servicing & maintenance of CTR make N2 injection fire protection and prevention system. 2) Applying of fire retardant cable coating to various control cables of ICT-1. 3) Maintenance and alignments of PG-1, PG-2, PG-3 Isolators and CB Isolators.
400/220/33 KV 315 MVA ICT - 1 @ WALUJ	IntraState	31/03/2022	09:22	31/03/2022	13:03	PO	Diagnostic testing work of CB & Routine Maintenance
400/220/33 KV 315 MVA ICT - 1 @ PARLI	IntraState	31/03/2022	23:15	31/03/2022	23:43	EO	Replacement of faulty Diff. Relay.
220 KV LINE Outages/Trippings							
MULUND - GIS BHANDUP	IntraState	29/01/2022	15:44			T	cABLE FAULT
BIDRI - SAWANTWADI	IntraState	31/03/2022	09:15			T	TRIPPED ON DIST PROTN.
GOREGAON - AAREY CKT - 1	IntraState	31/03/2022	10:50			PO	Under MMRC Line Diversion scheme for Metro-3 project, 220kV Outdoor termination at 220kV AEML Aarey and
AEML BORIVALI - TPC BORIVALI LINE	IntraState	31/03/2022	11:18			PO	For shifting on 220 KV NEW GIS
SALSETTE BORIVLI - 1	IntraState	31/03/2022	11:44			PO	for shifting on NEW GIS
KADEGAON-MIRAJ	IntraState	31/03/2022	14:05	31/03/2022	18:50	PO	Tower Painting work
PAL DOMBIVALI - PALAVA	IntraState	31/03/2022	15:52	31/03/2022	18:06	PO	CT tan delta measurement work
INFOSYS - HINJAWADI 1	IntraState	31/03/2022	18:18	31/03/2022	20:43	EO	For Attending heavy oil leakage on 'R' Phase CT

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Mar/2022

Statement-VII

Position as on 6.30 Hrs of 01/Apr/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
KHARGHAR - SONKHAR	IntraState	31/03/2022	22:10	31/03/2022	23:51	EO	For LTS Scheme, new relay needs to fix, test and commissioning to be done at 220 kV Sonkhar substation for Over Load condition of 220 kV Sonkhar & Kharghar Line
CHEMBUR (AEML) - NERUL (M)	IntraState	01/04/2022	00:09	01/04/2022	05:18	EO	For Bypassing of Wave trap and utilizing the OPGW.
CHEMBUR (AEML) - NERUL (M)	IntraState	01/04/2022	00:09	01/04/2022	05:18	EO	By passing of Wave traps
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 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 / 110 / 22kV 250MVA ICT 1 @ BORIVALI (TATA)	IntraState	17/03/2022	12:30			PO	Shifting to new GIS
220/22 KV 50 MVA PTR 1 @ PADGHE	IntraState	25/03/2022	11:32			PO	1.Retrofitting of 86M Relay, BO/BI LVCT/PT connection to BCU under MTAMC work. 2.Arresting oil leakage from Top cover of Body by replacing all gaskets at site by opening /dismantling of accessories & installation of DM of 50MVA BHEL make Tf. 3.After complete work oil filtration & vacuum cycle will be done by purging/injecting N2 gas .
220/132 KV 100 MVA ICT - 2 @ ALEPHATA	IntraState	30/03/2022	19:10			PO	For LV pole overhauling work (spare pole to be commissioned in place of existing)
220/132 KV 150 MVA ICT-2 @ BHENDA	IntraState	30/03/2022	21:42			PO	Complete Diagnostic testing ,Bushing CT tan delta ,Winding resistance ,HV CT tan delta ,Relay testing and Quarterly maintenance work.
220/22KV 50MVA PTR 2 @ CHAKAN PHASE II	IntraState	31/03/2022	10:05	31/03/2022	15:27	PO	CB CRM and to attain oil leakage.
220/22 KV 50 MVA PTR 3 @ CHAKAN	IntraState	31/03/2022	10:05	31/03/2022	18:44	EO	To attend the Hot Spot at TFR No 3 LV Side R ph CT Jump The Temp is 320 Deg
220/132 KV 200 MVA PTR NO 5 @ PARVATI	IntraState	31/03/2022	10:12	31/03/2022	16:18	PO	Replacement of Y ph LV CT due to higher tan delta value
110 KV LINE Outages/Trippings							
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