

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 29/Mar/2022 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	152.987	4583.093	1) Gujrat	-2.803	-170.628
2) Hydro	41.521	758.901	2) Madhya Pradesh	9.466	271.398
3) Gas	5.309	138.515	3) Chattisgarh	4.380	149.140
Total MSPGCL	199.817	5480.509	4) Maharashtra	168.975	4856.509
B) 1) APLM	76.138	2137.057	5) Goa (Amona)	-2.094	-39.911
2) JSWEL	19.321	576.361	Total	177.924	5066.508
3) VIPL	0.000	0.000	a) Mumbai Schedule	28.847	807.649
4) RPL(AMT)	25.644	736.697	b) Mumbai Drawl	31.707	885.257
5) SWPGPL	6.386	175.736	c) MSEDCL Bilateral *	107.419	2825.649
6) Other IPP	36.369	1117.484	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	28.847	806.166
C) 1) TPCL Thermal	16.498	381.122	Include PX	0.000	5.604
2) TPCL Hydro	6.488	144.902	Standby	0.000	1.483
3) TPCL Gas	0.742	53.999	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.976	288.294	1) MSEDCL	525.309	14680.071
D) STATE			2) Mumbai Discoms	67.413	1753.573
1) Thermal	345.319	9995.844	3) Other Discoms	8.959	253.938
(A1+C1+C4+(B1-B6))			TOTAL STATE	601.681	16687.582
2) Hydro (A2+C2)	48.009	903.803			
3) Gas (A3+B7+C3)	6.051	192.514			
4) Wind	15.291	302.937			
6) SOLAR	9.085	225.977			
TOTAL STATE	423.755	11621.075			

* 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 2 Hrs
MSPGCL Thermal	6249	6293	6303	6375
MSPGCL Hydro	2045	1525	2019	1146
MSPGCL Gas	204	214	215	234
MSPGCL Total Generation	8498	8032	8537	7755
Central Sector Receipt	8998	9880	6403	6660
WIND	637	474	465	677
CPP / IPP Thermal	6659	6591	6991	6920
CPP / IPP Gas	0	0	0	0
SOLAR	1210	1242	0	0
Exchange with Mumbai	-1795	-1829	-1225	-950
MSEDCL DEMAND MET	23816	23993	20773	20756
Load Shedding	85	93	520	14
MSEDCL DEMAND	23901	24086	21293	20770
TPCL GENERATION	1025	973	1224	1004
AEML GENERATION	490	499	501	500
MUMBAI DEMAND	3310	3301	2950	2454
OTHER DISCOM DEMAND	391	397	398	306
STATE DEMAND MET	27517	27691	24121	23516
STATE DEMAND	27602	27784	24641	23530
Frequency (Hz)	50.01	50.02	49.87	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.12 Hz at 16.02 Hrs	49.59 Hz at 18.54 Hrs	49.97	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 29/Mar/2022

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.80	115.73	165	150
Unit 7	0.00	0.00	0	0
Unit 8	14.42	401.93	617	578
Unit 9	13.89	384.76	602	539
Unit 10	10.39	295.29	501	375
Total	42.50	1197.71		
Bhusawal				
Unit 3	0.00	44.63	0	0
Unit 4	9.60	273.08	400	400
Unit 5	9.62	139.08	410	400
Total	19.22	456.79		
Parli				
Unit 6	0.00	114.76	0	0
Unit 7	4.43	85.35	198	180
Unit 8	3.58	99.77	159	136
Total	8.01	299.89		
Chandrapur				
Unit 3	3.97	93.20	168	157
Unit 4	3.93	115.04	170	147
Unit 5	8.15	230.22	345	330
Unit 6	0.00	172.48	0	0
Unit 7	8.73	256.47	377	345
Unit 8	10.23	262.02	439	414
Unit 9	10.10	298.00	435	394
Total	45.11	1427.43		
Paras				
Unit 3	4.80	146.45	227	172
Unit 4	4.89	146.07	229	170
Total	9.69	292.52		
Khaparkheda				
Unit 1	2.76	95.63	140	93
Unit 2	3.38	101.30	150	130
Unit 3	3.73	107.68	163	148
Unit 4	3.55	116.30	155	140
Unit 5	11.04	274.75	470	450
Total	24.46	695.66		
Nasik				
Unit 3	3.73	27.01	171	115
Unit 4	0.27	111.98	133	0
Unit 5	0.00	74.10	0	0
Total	4.00	213.09		
Uran				
All Units	5.31	138.52	241	201
Total	5.31	138.52		
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	3.96	0	0
Total	0.00	3.96		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	8.11	161.32	520	50
Stage 4	20.31	286.28	1003	442
Stage 3	6.05	95.15	320	198
Total	34.47	542.76		
Hydro				
KDPH	0.00	18.70	0	0
VTRNA	0.00	5.66	0	0
TILLARI	0.48	5.44	58	0
BHIRA T.R.	0.25	8.19	53	0
SMLHY_PTN	6.31	174.19	279	250
GHATGHAR	0.00	0.00	0	0
Total	7.05	212.18		
Wind				
Total	15.29	302.94	0	0
Total	15.29	302.94		
CPP				
APML(Mus)	76.14	2137.06	0	0
JSWEL(Mus)	19.32	576.36	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.64	736.70	0	0
SWPGPL-Mus	6.39	175.74	0	0
Other(Mus)	36.37	1117.48	0	0
Total	163.86	4743.34		
SOLAR				
Total	9.08	225.98	0	0
Total	9.08	225.98		
Tata				
Trombay 5	10.93	246.53	482	415
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.64	32.28	116	0
Trombay 7B	0.10	21.72	62	0
TATA Hydro	6.49	144.90	412	36
Trombay 8	5.57	134.59	239	183
Total	23.73	580.02		
AEML				
DTPS U-1&2	11.98	288.29	502	490
Total	11.98	288.29		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	152.99	4583.09	MSPGCL Total	199.82	5480.51
			MSPGCL Thml+Gas	158.30	4721.61	Koyna 1,2 & 4 Total	28.42	447.60
			MSPGCL Hydro	41.52	758.90	State Total	423.76	11621.08

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/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	6348	1679	224	8251	633	6941	0	0	6650	7152	-1109	21534	14	21548	2658	334	24540	49.91
2	6375	1146	234	7755	677	6920	0	0	6776	6660	-950	20756	14	20770	2454	306	23530	49.97
3	6428	1527	234	8189	688	6916	0	0	6382	6634	-909	21236	14	21250	2271	282	23803	49.97
4	6434	1642	214	8290	704	6709	0	0	6612	6766	-952	21242	14	21256	2151	275	23682	50.00
5	6455	1973	230	8658	689	6600	0	0	6572	6689	-810	21520	14	21534	2095	306	23935	50.01
6	6450	2040	220	8710	774	6972	0	0	6267	6524	-767	21877	47	21924	2137	336	24397	49.97
7	6438	2087	230	8755	824	7019	0	19	6262	6270	-803	21714	137	21851	2224	370	24445	49.99
8	6454	1396	241	8091	695	6985	0	219	6608	6682	-877	21405	118	21523	2336	390	24249	50.02
9	6307	1019	219	7545	595	6533	0	584	7753	7633	-1316	21161	94	21255	2637	413	24305	50.02
10	6370	1583	217	8170	608	6640	0	906	7862	8143	-1538	22521	42	22563	2961	408	25932	49.99
11	6309	1674	217	8200	692	6729	0	1098	8664	8868	-1761	23409	36	23445	3215	417	27077	50.01
12	6249	2045	204	8498	637	6659	0	1210	9012	8998	-1795	23816	85	23901	3310	391	27602	50.01
13	6293	1525	214	8032	474	6591	0	1242	9783	9880	-1829	23993	93	24086	3301	397	27784	50.02
14	6339	1098	206	7643	489	6569	0	1165	9709	9290	-1867	22882	93	22975	3341	407	26723	50.05
15	6309	1469	210	7988	544	6810	0	1071	9157	9182	-1916	23287	75	23362	3368	392	27122	49.99
16	6360	1796	201	8357	580	6821	0	840	9028	8907	-1831	23270	98	23368	3304	404	27076	49.94
17	6318	2054	213	8585	620	6877	0	538	7710	8133	-1706	22639	270	22909	3238	408	26555	50.00
18	6331	1959	223	8513	582	6872	0	181	7088	7078	-1535	21276	302	21578	3098	415	25091	49.97
19	6298	2034	224	8556	473	6996	0	12	6483	6504	-1327	20812	299	21111	2974	402	24487	49.87
20	6303	2019	215	8537	465	6991	0	0	6366	6403	-1225	20773	520	21293	2950	398	24641	49.87
21	6350	1828	227	8405	578	6935	0	0	6361	6465	-1201	20791	120	20911	2869	391	24171	49.98
22	6419	1908	227	8554	602	6919	0	0	6281	6379	-1197	20875	57	20932	2831	382	24145	50.00
23	6471	1951	237	8659	747	6929	0	0	6336	6429	-1253	21131	0	21131	2846	380	24357	49.92
24	6579	2069	228	8876	921	6925	0	0	6377	6255	-1233	21388	0	21388	2842	356	24586	49.83
MUs	152.99	41.52	5.31	199.82	15.29	163.86	0.00	9.09	176.10	177.92	-31.71	525.31	2.56	527.87	67.41	8.96	604.23	49.97

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/Mar/2022

Position as on 6.30 Hrs of 30/Mar/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		Continued.	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		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit 5	108	26/03/2022	18:25		Continued.	Gas shortage	
MSPGCL	Nasik Unit 4	210	27/03/2022	23:40	29/03/2022	21:04	GTR buchholz relay operated	
TPC-G	Trombay 7B	60	28/03/2022	00:45	29/03/2022	21:48	Due to Gas shortage.	
TPC-G	Trombay 7A	120	28/03/2022	00:55	29/03/2022	18:05	Gas shortage	
MSPGCL	Chandrapur Unit 6	500	28/03/2022	01:07	30/03/2022	06:10	Turbine Vibration	
MSPGCL	Uran Unit A0	120	29/03/2022	03:09	30/03/2022	01:14	Generator Protection operated	
MSPGCL	Paras Unit 4	250	30/03/2022	07:24	30/03/2022	11:19	Furnace Pressure High	
MSPGCL	Parli Unit 7	250	30/03/2022	13:30		Continued.	Furnace Pressure High	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Mar/2022

Statement-VII

Position as on 6.30 Hrs of 30/Mar/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV TBC Outages/Trippings							
POLE-2 BASE AC FILTER Z1-Z2(200MVAR) @ CHANDRAPUR HVDC	IntraState	29/03/2022	23:21	30/03/2022	02:25	EO	1. To attend the hotspot having temperature > 150 °C & between 100- 150 °C
400 KV LINE Outages/Trippings							
DHULE - KHANDWA CKT - 2	InterState	29/03/2022	14:36	29/03/2022	17:56	HT	EMERGENCY OUTAGE AVAILABLE
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
DHULE- - BABHALESHWAR - II	IntraState	30/03/2022	15:22			HT	unauthorized man spotted on tower
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			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 500MVA ICT - 2 @ KHAPARKHEDA	IntraState	30/03/2022	12:13			PO	For attending oil leakage from ICT & general routine maintenance.Isolator alignment
220 KV MAINBAY Outages/Trippings							
INTERCONNECTOR @ KALWA	IntraState	29/03/2022	23:25	30/03/2022	07:04	PO	For replacement of All 3phase CTs due to leakage of B phase CT (oil level is reduced) and change of CT ratio from 1200/1A to 1600/1A.
220 KV LINE Outages/Trippings							
MULUND - GIS BHANDUP	IntraState	29/01/2022	15:44			T	CABLE FAULT
BIDRI - SAWANTWADI	IntraState	28/03/2022	14:30	29/03/2022	08:40	T	Distance Protection.
DAHANU - GHODBUNDER CKT - 1	IntraState	30/03/2022	06:12	30/03/2022	09:23	PO	Outage to be availed to replace the tight Jumper and install the pilot insulator under NHRCL Project.
BIDRI - SAWANTWADI	IntraState	30/03/2022	11:04			T	TRIPPED ON DIST PROT N
URAN - APTA 3	IntraState	30/03/2022	13:30			PO	For Diagnostic testing work
CHAKAN-MAHINDRA VEHICLE	IntraState	30/03/2022	14:14			PO	Replacement of MFM meter.
NERLE - PEDAMBE	IntraState	30/03/2022	14:31	30/03/2022	15:21	T	DP 3.96 KA 9.67 KM rom Pedambe
GHODBUNDER - MSETCL BORIVALI	IntraState	30/03/2022	15:05			EO	Attending Red Hot Spot of CB
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

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Mar/2022

Statement-VII

Position as on 6.30 Hrs of 30/Mar/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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 / 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 pursing/injecting N2 gas .
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