

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 25/Mar/2023 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	175.664	3975.354	1) Gujrat	-5.641	53.774
2) Hydro	11.526	267.891	2) Madhya Pradesh	10.113	146.557
3) Gas	2.669	94.555	3) Chattisgarh	4.750	110.710
Total MSPGCL	189.859	4337.800	4) Maharashtra	166.224	4119.010
B) 1) APLM	71.129	1701.687	5) Goa (Amona)	-1.221	-38.563
2) JSWEL	19.714	599.021	Total	174.225	4391.488
3) VIPL	0.000	0.000	a) Mumbai Schedule	34.303	780.653
4) RPL(AMT)	31.211	760.432	b) Mumbai Drawl	30.911	907.174
5) SWPGPL	9.283	246.541	c) MSEDCL Bilateral *	87.504	2139.292
6) Other IPP	28.966	948.992	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	34.303	780.653
C) 1) TPCL Thermal	10.330	265.634	Include PX	0.000	0.000
2) TPCL Hydro	4.777	83.112	Standby	0.000	0.000
3) TPCL Gas	2.340	66.349	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.651	261.885	1) MSEDCL	514.302	12469.932
D) STATE			2) Mumbai Discoms	59.009	1584.154
1) Thermal	356.948	8759.546	3) Other Discoms	10.354	253.364
(A1+C1+C4+(B1-B6))			TOTAL STATE	583.665	14307.450
2) Hydro (A2+C2)	16.303	351.003			
3) Gas (A3+B7+C3)	5.009	160.904			
4) Wind	14.099	298.626			
6) SOLAR	17.081	345.883			
TOTAL STATE	409.440	9915.962			

* 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 3 Hrs
MSPGCL Thermal	7087	7022	7661	7458
MSPGCL Hydro	363	188	1590	247
MSPGCL Gas	111	111	112	111
MSPGCL Total Generation	7561	7321	9363	7816
Central Sector Receipt	9052	8753	5848	6154
WIND	162	278	705	811
CPP / IPP Thermal	6645	6590	6767	6701
CPP / IPP Gas	0	0	0	0
SOLAR	2243	2288	0	0
Exchange with Mumbai	-1660	-1669	-1096	-1076
MSEDCL DEMAND MET	23532	23093	21103	20064
Load Shedding	0	0	0	0
MSEDCL DEMAND	23532	23093	21103	20064
TPCL GENERATION	778	764	1082	564
AEML GENERATION	471	439	464	415
MUMBAI DEMAND	2909	2872	2642	2055
OTHER DISCOM DEMAND	471	468	484	342
STATE DEMAND MET	26912	26433	24229	22461
STATE DEMAND	26912	26433	24229	22461
Frequency (Hz)	49.95	49.93	49.95	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.23 Hz at 18:02 Hrs	49.74 Hz at 14:34 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 25/Mar/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.78	113.44	205	190
Unit 8	13.07	231.77	554	533
Unit 9	13.92	337.60	621	507
Unit 10	13.02	215.85	600	510
Total	44.79	898.66		
Bhusawal				
Unit 3	3.20	80.80	165	110
Unit 4	10.44	236.00	490	270
Unit 5	10.71	247.38	495	280
Total	24.36	564.17		
Parli				
Unit 6	4.16	112.43	241	144
Unit 7	4.01	110.37	230	126
Unit 8	2.77	86.27	137	100
Total	10.95	309.08		
Chandrapur				
Unit 3	3.34	86.39	163	124
Unit 4	3.15	79.71	147	120
Unit 5	8.23	111.73	400	282
Unit 6	8.70	214.87	390	330
Unit 7	8.56	206.87	429	291
Unit 8	11.46	266.05	494	362
Unit 9	11.48	234.27	499	380
Total	54.92	1199.90		
Paras				
Unit 3	4.84	115.41	233	143
Unit 4	4.66	130.02	234	146
Total	9.50	245.44		
Khaparkheda				
Unit 1	2.52	66.33	115	95
Unit 2	2.71	74.38	135	92
Unit 3	3.96	89.52	183	129
Unit 4	3.87	95.50	191	130
Unit 5	10.14	262.14	455	330
Total	23.19	587.88		
Nasik				
Unit 3	4.01	12.01	181	123
Unit 4	3.94	81.06	176	122
Unit 5	0.00	77.17	0	0
Total	7.96	170.23		
Uran				
All Units	2.67	94.56	113	109
Total	2.67	94.56		
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	3.17	39	0
Total	0.15	3.17		
Koyna				
Stage 1-2	2.26	62.16	425	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	2.68	58.16	760	0
Stage 3	1.13	26.12	308	0
Total	6.07	146.43		
Hydro				
KDPH	0.86	21.15	36	36
VTRNA	1.01	27.34	61	0
TILLARI	0.46	7.77	58	0
BHIRA T.R.	0.28	3.53	80	0
SMLHY_PTN	2.69	58.49	114	109
GHATGHAR	0.00	0.00	0	0
Total	5.31	118.29		
Wind				
Total	14.10	298.63	0	0
Total	14.10	298.63		
CPP				
APML(Mus)	71.13	1701.69	0	0
JSWEL(Mus)	19.71	599.02	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	31.21	760.43	0	0
SWPGPL-Mus	9.28	246.54	0	0
Dhariwal	5.97	149.39	272	223
IEPL	5.03	124.37	269	197
Other(Mus)	17.96	675.23	0	0
Total	160.30	4256.67		
SOLAR				
Total	17.08	345.88	0	0
Total	17.08	345.88		
Tata				
Trombay 5	6.89	176.36	377	263
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.31	38.62	108	44
Trombay 7B	1.03	27.73	64	38
TATA Hydro	4.78	83.11	391	46
Trombay 8	3.44	89.27	195	129
Total	17.45	415.10		
AEML				
DTPS U-1&2	10.65	261.88	500	311
Total	10.65	261.88		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	175.66	3975.35	MSPGCL Total	189.86	4337.80
			MSPGCL Thml+Gas	178.33	4069.91	Koyna 1,2 & 4 Total	4.94	120.31
			MSPGCL Hydro	11.53	267.89	State Total	409.44	9915.96

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/Mar/2023

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	7055	248	111	7414	847	6767	0	0	6555	6749	-1324	20066	0	20066	2378	387	22831	49.98
2	7417	253	110	7780	883	6740	0	0	6458	6429	-1178	20287	0	20287	2194	367	22848	50.02
3	7458	247	111	7816	811	6701	0	0	6577	6154	-1076	20064	0	20064	2055	342	22461	49.95
4	7434	253	112	7799	752	6717	0	0	6605	6777	-1117	20603	0	20603	1958	325	22886	49.95
5	7687	613	110	8410	690	6719	0	0	6684	6536	-1063	20954	0	20954	1948	338	23240	49.95
6	7796	858	111	8765	631	6718	0	0	6485	6265	-908	21113	0	21113	2037	358	23508	49.97
7	7827	1474	111	9412	508	6770	0	57	6476	6296	-904	21743	0	21743	2094	396	24233	49.97
8	7861	1078	112	9051	360	6702	0	478	6797	7137	-1034	22259	0	22259	2178	435	24872	50.02
9	7577	386	111	8074	246	6629	0	1151	7512	7592	-1256	21983	0	21983	2388	453	24824	49.96
10	7417	255	111	7783	205	6612	0	1711	8039	7989	-1446	22388	0	22388	2647	466	25501	49.97
11	7205	256	111	7572	169	6647	0	2118	8833	8884	-1615	23303	0	23303	2851	472	26626	49.97
12	7087	363	111	7561	162	6645	0	2243	9065	9052	-1660	23532	0	23532	2909	471	26912	49.95
13	7022	188	111	7321	278	6590	0	2288	9147	8753	-1669	23093	0	23093	2872	468	26433	49.93
14	6514	190	110	6814	406	6594	0	2134	9076	8639	-1680	22446	0	22446	2715	461	25622	49.92
15	6384	194	112	6690	519	6547	0	1988	8946	8851	-1686	22443	0	22443	2739	466	25648	49.88
16	6900	296	112	7308	624	6543	0	1493	8805	8728	-1564	22662	0	22662	2751	470	25883	49.96
17	7107	286	111	7504	750	6633	0	1005	8230	7938	-1485	21882	0	21882	2721	463	25066	49.95
18	7354	322	112	7788	772	6687	0	395	7645	7474	-1394	21244	0	21244	2664	478	24386	49.99
19	7603	339	111	8053	710	6760	0	20	6816	6583	-1261	20382	0	20382	2606	483	23471	50.00
20	7661	1590	112	9363	705	6767	0	0	5957	5848	-1096	21103	0	21103	2642	484	24229	49.95
21	7377	814	112	8303	845	6791	0	0	6037	6219	-1050	20642	0	20642	2573	466	23681	49.96
22	6875	458	109	7442	826	6737	0	0	6256	6458	-1085	19930	0	19930	2451	448	22829	50.00
23	7450	319	112	7881	771	6632	0	0	6362	6470	-1153	20158	0	20158	2354	443	22955	50.00
24	7596	246	113	7955	629	6655	0	0	6480	6404	-1207	20024	0	20024	2284	412	22720	50.01
MUs	175.66	11.53	2.67	189.86	14.10	160.30	0.00	17.08	175.84	174.23	-30.91	514.30	0.00	514.30	59.01	10.35	583.66	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 25/Mar/2023

Position as on 6.30 Hrs of 26/Mar/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
IPP	JSW (J) U1	300	19/03/2023	17:29		Continued.	Zero Schedule	
FORCED OUTAGE								
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	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.	01/04/2024
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	07/04/2023
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.	01/05/2024
MSPGCL	Koradi Unit 7	210	27/04/2021	20.03		Continued.	Retired (04/08/2021 At 00.00)	
MSPGCL	Ghatghar Unit-1	125	20/04/2022	00:35		Continued.	Stator Earth Fault	31/07/2023
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	30/05/2023
MSPGCL	Uran Unit 5	108	12/11/2022	13:23		Continued.	Gas shortage	
MSPGCL	Ghatghar Unit-2	125	08/02/2023	07:02		Continued.	Stator Earth Fault	30/04/2023
MSPGCL	Uran Unit 6	108	18/03/2023	12:44		Continued.	ZERO SCHEDULE.	
MSPGCL	Nasik Unit 5	210	23/03/2023	03:10		Continued.	Withdrawn due to changer from Unit3 to 5	27/03/2023
IPP	RPL(AMT) U-2	270	26/03/2023	10:34		Continued.	bottom ash evacuation problem	28/03/2023
IPP	Adani U-4	660	26/03/2023	15:59		Continued.	Due to turbine left hand side MS drain bonnet leakage.	29/03/2023

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Tripping for 25/Mar/2023

Statement-VII

Position as on 6.30 Hrs of 26/Mar/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV LINE Outages/Tripping							
TALANDGE - KOLHAPUR (PG) CKT - 2	InterState	20/03/2023	07:49			PO	For reconductoring of Moose conductor with HTLS conductor for sytem improvement. AR to be kept in non Auto mode for 400KV-KOLHAPUR-MS-KOLHAPUR GIS -1
CHANDRAPUR - BHADRAVATI CKT - 2	InterState	26/03/2023	15:13			T	Tripped on Distance Protection.
PADGHE - NAGOTHANE CKT - 2	IntraState	20/03/2023	10:07	25/03/2023	12:35	PO	CB replacement work
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	24/03/2023	10:17			HT	System loading
MAIN BUS-1 @ BABHALESHWAR	IntraState	25/03/2023	08:45	25/03/2023	19 56	PO	Bus CVT Testing
CHANDRAPUR GCR - CHANDRAPUR 2 CKT 2	IntraState	25/03/2023	09:48	25/03/2023	17:57	PO	1. Measurement of CB timing , CRM and DRCM. 2. Maintenance work of CB, PG-1(Bus-1) & PG-2(Bus-2) Isolators. This circuit will be in service via 400KV TBC-1
400 KV ICT Outages/Tripping							
STATION TF No 3 @ CHANDRAPUR GCR	IntraState	01/03/2023	15:07			PO	1) Oil filtration work 2) Testing of Station transformer 3) Preventive maintenance work.
400/220KV 167 MVA SPARE ICT @ DHULE	IntraState	25/03/2023	10:09	25/03/2023	16:26	PO	Outage required on 167 MVA Spare ICT-2 for diagnostic testing work
400/220/20 KV 500MVA ICT - 1 @ KALWA	IntraState	26/03/2023	06:09	26/03/2023	10:38	PO	LV R-ph LA replacement work due to high LCM value.
400/220/33 KV 315MVA ICT - 1 @ AKOLA	IntraState	26/03/2023	08:14	26/03/2023	21:06	PO	1. Dismantling of existing ICT-1 LV bay and reorientation to old existing 220KV ICT-02 LV bay 2. Removing of control cables from existing breaker, CT, Isolator and shifting to old existing 220KV ICT-02 bay MB 3. 220KV bus bar out, CT injection , stability and trials by testing tea
400 KV BUSBAR Outages/Tripping							
MAIN BUS - 1 @ DHARIWAL	IntraState	18/03/2023	10:28			PO	STU CTU bus connection as per CERC order
220 KV LINE Outages/Tripping							
NALASOPARA - BOISAR PG	InterState	26/03/2023	00:10			PO	for retrofitting of line differential 1. For retrofitting of Line Differential relay ABB make main-I at PGCIL S/Stn. end. 2. For retrofitting of Line Differential relay GE make main-II at PGCIL S/stn. end. 3. Tapping on PGCIL_Nalasopara line at CTT tower for SOAK test of EHV cable (1000 sq.mm cable).
EKLAHARE (OCR) - NAVASARI CKT - 1	IntraState	10/02/2023	09:45			PO	Breaker overhauling work. (RFC AT 21:23 HRS DT.10/02/2023 AND KEPT OPENED FOR LOAD MANAGEMENT)
EKLAHARE (OCR) - PADGHE	IntraState	05/03/2023	08:55			HT	For load management
NIGADE- PETH LINE	IntraState	24/03/2023	21:26	25/03/2023	18:15	T	Y phase CT burst at Nigade end
TROMBAY DHARAVI - 5	IntraState	24/03/2023	22:56			PO	Third Party Work - Diversion of Line at Sejal Shakti Project site

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Mar/2023

Statement-VII

Position as on 6.30 Hrs of 26/Mar/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
EKLAHARE (GCR) - AIROLI KNOW PARK	IntraState	25/03/2023	01:33	25/03/2023	04:48	HT	For load management
EKLAHARA(GCR)(NASIK)-BABLESHWAR 2	IntraState	25/03/2023	02:18	25/03/2023	04:44	PO	For outage on 220 Kv Babhaleshwar NASIK Ckt 2 (DC LINE) for replacement of the burned jumper nut bolts due to hot spot (there is no hot spot temperature on this loc) at loc no 197 cut point detected in monkey patrolling of the line , outage on 25.03.2023 from 2.30 hrs. to 6.00 hrs
EKLAHARA(GCR)(NASIK)-BABLESHWAR 2	IntraState	25/03/2023	02:18	25/03/2023	04:44	PO	For outage on 220 Kv Babhaleshwar NASIK Ckt 2 (DC LINE) for replacement of the burned jumper nut bolts due to hot spot (there is no hot spot temperature on this loc) at loc no 197 cut point detected in monkey patrolling of the line , outage on 25.03.2023 from 2.30 hrs. to 6.00 hrs
NEW KOYNA - NIWALI	IntraState	25/03/2023	08:28	25/03/2023	15:57	PO	For cold washing of insulator strings.
MAIN BUS - 2 @ BOISAR II	IntraState	25/03/2023	08:45	25/03/2023	19:56	PO	Bus Isolator R/M & other R/M Work
BUS SECTIONIZER @ BIDRI	IntraState	25/03/2023	09:40	25/03/2023	11:40	PO	quarterly Maintenance work
CHAKAN-BHOSARI 1	IntraState	25/03/2023	10:12	25/03/2023	13:14	PO	1.Testing of Coupling Capacitor & Wave Trap . 2.Cold Line washing of insulators strings. 3.Fixing of repair sleeve between loc No-52-53 (Sr no 2 & 3 is proposed by lines S/Dn work)
220 KV CHADRAPUR MIDC - GADCHANDUR CKT TAP	IntraState	25/03/2023	12:35	25/03/2023	18:50	T	Distance Protection
LONAND - KANDALGAON (SONA ALLOY TAP)	IntraState	25/03/2023	15:34	25/03/2023	21:12	PO	Repair Sleeve fixing work of damaged conductor between loc No.259 to 260 YB Ph.
KANDALGAON - SONA ALLOYS	IntraState	25/03/2023	15:34	25/03/2023	21:12	PO	Midspan joint and replacement of Damaged long rod polymer at Loc.No.46, Outage tree cutting work and other line maintenance work.
NEW KOYNA - LOTEPARSHURAM	IntraState	25/03/2023	17:10	25/03/2023	19:55	PO	For cold washing of insulator strings.
PHURSUNGI-PARVATI	IntraState	25/03/2023	23:49	26/03/2023	02:58	PO	Half Yearly Maint. attending oil leakage from collar of R Ph CT
NEW KOYNA - NIWALI	IntraState	26/03/2023	08:54	26/03/2023	16:12	PO	For cold washing of insulator strings.
TATA BORIVLI MSETCL BORIVLI - 5	IntraState	26/03/2023	10:59	26/03/2023	13:43	PO	For closer inspection of line
SALSETTE BORIVLI - 2	IntraState	26/03/2023	11:13	26/03/2023	13:40	PO	For Closer inspection of line
MAHAD - KANDALGAON	IntraState	26/03/2023	14:34	26/03/2023	17:18	T	Tripped on Distance Protection.
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 / 110 / 22kV 250 MVA ICT 2 @ SALSETTE	IntraState	10/11/2022	10:35			EO	For attending to abnormal Nosie from ICT
220/132 KV 200 MVA ICT 2 @ RAYMOND	IntraState	25/03/2023	09:43	25/03/2023	20:10	PO	repalcement of 3 nos of 220kV high tan delta CTs Measurement of winding resistance of ICT 2 Complete bay maintenance
220/132 KV 200 MVA PTR NO 6 @ PARVATI	IntraState	25/03/2023	10:06	25/03/2023	18:10	PO	OLTC Overhauling

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Mar/2023

Statement-VII

Position as on 6.30 Hrs of 26/Mar/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/110 KV ICT - 1 @ BHIRA	IntraState	26/03/2023	09:34	26/03/2023	15:26	PO	Attending run & pad Hot spot (110 kV Switchyard) at Bhira generating station
220/100 KV 200 MVA ICT 2 @ KALWA	IntraState	26/03/2023	10:12	26/03/2023	11:00	T	Tripped Due to Winding Temperature High.
220/110 KV ICT - 2 @ BHIRA	IntraState	26/03/2023	15:50	26/03/2023	17:28	PO	Attending run & pad Hot spot (110 kV Switchyard) at Bhira generating station
110 KV LINE Outages/Trippings							
WAGHIVALI - MANKHURD	IntraState	26/03/2023	09:38	26/03/2023	11:56	PO	For Tree trimming work

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