

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 15/Mar/2023 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	149.648	2447.016	1) Gujrat	3.074	45.446
2) Hydro	33.231	181.345	2) Madhya Pradesh	9.038	75.943
3) Gas	4.499	63.404	3) Chattisgarh	4.340	60.270
Total MSPGCL	187.378	2691.765	4) Maharashtra	183.051	2501.934
B) 1) APLM	58.280	997.043	5) Goa (Amona)	-1.921	-24.608
2) JSWEL	28.224	383.348	Total	197.582	2658.985
3) VIPL	0.000	0.000	a) Mumbai Schedule	30.492	462.728
4) RPL(AMT)	31.237	451.412	b) Mumbai Drawl	37.379	549.966
5) SWPGPL	10.811	152.346	c) MSEDCL Bilateral *	84.270	1282.872
6) Other IPP	37.884	620.156	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	30.492	462.728
C) 1) TPCL Thermal	12.277	164.240	Include PX	0.000	0.000
2) TPCL Hydro	4.043	42.827	Standby	0.000	0.000
3) TPCL Gas	3.327	40.618	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.801	166.661	1) MSEDCL	520.605	7615.584
D) STATE			2) Mumbai Discoms	68.827	964.312
1) Thermal	340.162	5382.222	3) Other Discoms	10.211	151.104
(A1+C1+C4+(B1-B6))			TOTAL STATE	599.643	8731.000
2) Hydro (A2+C2)	37.274	224.172			
3) Gas (A3+B7+C3)	7.826	104.022			
4) Wind	6.747	162.161			
6) SOLAR	10.052	199.438			
TOTAL STATE	402.061	6072.015			

* 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 24 Hrs
MSPGCL Thermal	6187	6189	6012	6167
MSPGCL Hydro	1995	1952	1419	425
MSPGCL Gas	182	182	187	188
MSPGCL Total Generation	8364	8323	7618	6780
Central Sector Receipt	9455	9312	7924	7275
WIND	165	127	555	232
CPP / IPP Thermal	6859	6858	7132	6995
CPP / IPP Gas	0	0	0	0
SOLAR	1624	1569	0	0
Exchange with Mumbai	-1909	-1910	-1524	-1728
MSEDCL DEMAND MET	24089	23827	21225	19134
Load Shedding	0	0	0	0
MSEDCL DEMAND	24089	23827	21225	19134
TPCL GENERATION	918	911	1094	645
AEML GENERATION	500	463	476	486
MUMBAI DEMAND	3327	3284	3094	2859
OTHER DISCOM DEMAND	469	452	480	420
STATE DEMAND MET	27885	27563	24799	22413
STATE DEMAND	27885	27563	24799	22413
Frequency (Hz)	49.96	50.00	50.01	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.26 Hz at 17.02 Hrs	49.72 Hz at 05.20 Hrs	49.98	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 15/Mar/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.06	68.12	205	140
Unit 8	0.63	183.93	352	0
Unit 9	13.51	201.77	615	521
Unit 10	0.00	102.93	0	0
Total	18.20	556.75		
Bhusawal				
Unit 3	3.60	50.37	165	125
Unit 4	10.51	147.51	485	370
Unit 5	11.60	157.06	500	445
Total	25.71	354.94		
Parli				
Unit 6	5.92	72.80	250	243
Unit 7	5.78	71.33	252	216
Unit 8	4.04	52.32	186	128
Total	15.73	196.45		
Chandrapur				
Unit 3	3.80	54.65	175	113
Unit 4	3.33	48.93	147	115
Unit 5	9.52	64.74	415	360
Unit 6	8.83	128.57	400	270
Unit 7	9.53	128.63	420	355
Unit 8	11.68	163.83	500	467
Unit 9	0.00	138.88	0	0
Total	46.67	728.22		
Paras				
Unit 3	5.04	74.16	223	185
Unit 4	5.23	79.46	225	208
Total	10.28	153.63		
Khaparkheda				
Unit 1	2.68	41.44	125	100
Unit 2	2.72	45.85	140	90
Unit 3	4.31	53.32	185	166
Unit 4	4.30	59.77	190	160
Unit 5	11.60	157.64	500	420
Total	25.62	358.02		
Nasik				
Unit 3	0.00	0.97	0	0
Unit 4	3.86	44.78	183	142
Unit 5	3.59	53.26	170	129
Total	7.44	99.01		
Uran				
All Units	4.50	63.40	195	174
Total	4.50	63.40		
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)	0.07	1.87	24	0
Total	0.07	1.87		
Koyna				
Stage 1-2	8.01	44.01	515	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	14.97	50.01	1010	0
Stage 3	5.13	20.47	320	0
Total	28.12	114.48		
Hydro				
KDPH	0.86	12.51	36	36
VTRNA	1.19	15.88	61	0
TILLARI	0.46	3.16	58	0
BHIRA T.R.	0.16	1.95	57	0
SMLHY_PTN	2.36	31.49	107	90
GHATGHAR	0.00	0.00	0	0
Total	5.04	64.99		
Wind				
Total	6.75	162.16	0	0
Total	6.75	162.16		
CPP				
APML(Mus)	58.28	997.04	0	0
JSWEL(Mus)	28.22	383.35	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	31.24	451.41	0	0
SWPGPL-Mus	10.81	152.35	0	0
Dhariwal	6.20	90.09	274	230
IEPL	4.99	75.86	269	196
Other(Mus)	26.69	454.21	0	0
Total	166.44	2604.30		
SOLAR				
Total	10.05	199.44	0	0
Total	10.05	199.44		
Tata				
Trombay 5	8.17	108.71	456	266
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.00	23.89	108	43
Trombay 7B	1.32	16.73	65	38
TATA Hydro	4.04	42.83	364	7
Trombay 8	4.10	55.53	230	129
Total	19.65	247.68		
AEML				
DTPS U-1&2	11.80	166.66	500	463
Total	11.80	166.66		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	149.65	2447.02	MSPGCL Total	187.38	2691.76
			MSPGCL Thml+Gas	154.15	2510.42	Koyna 1,2 & 4 Total	22.98	94.02
			MSPGCL Hydro	33.23	181.34	State Total	402.06	6072.02

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	6544	1382	191	8117	212	6898	0	0	7107	7014	-1527	20328	0	20328	2701	386	23415	50.01
2	6507	1413	193	8113	272	6812	0	0	7312	7572	-1416	20992	0	20992	2511	361	23864	50.02
3	6295	972	193	7460	368	6800	0	0	7770	7780	-1329	20745	0	20745	2335	334	23414	49.99
4	6285	523	193	7001	383	6823	0	0	7791	7885	-1256	20508	0	20508	2236	328	23072	49.97
5	6290	1181	192	7663	307	6855	0	0	7111	7642	-1201	20926	0	20926	2195	340	23461	49.96
6	6364	1782	193	8339	236	6944	0	0	6980	7420	-1103	21473	0	21473	2253	363	24089	49.99
7	6303	1779	193	8275	230	7019	0	17	7668	7918	-953	22102	0	22102	2371	404	24877	49.97
8	6291	1924	195	8410	250	7004	0	247	7789	8207	-1014	22675	0	22675	2497	429	25601	49.99
9	6264	1826	192	8282	236	6944	0	658	8406	8642	-1417	22907	0	22907	2754	438	26099	49.96
10	6307	2038	188	8533	188	6969	0	1025	8415	8660	-1629	23303	0	23303	3034	443	26780	49.93
11	6283	2015	182	8480	211	6848	0	1369	9240	9486	-1808	24128	0	24128	3237	458	27823	49.95
12	6187	1995	182	8364	165	6859	0	1624	9331	9455	-1909	24089	0	24089	3327	469	27885	49.96
13	6189	1952	182	8323	127	6858	0	1569	8967	9312	-1910	23827	0	23827	3284	452	27563	50.00
14	6201	1566	179	7946	152	6810	0	1369	9246	9372	-1984	23215	0	23215	3239	450	26904	49.96
15	6192	1824	174	8190	137	6812	0	1045	9164	9723	-2073	23383	0	23383	3280	451	27114	49.88
16	6188	1919	184	8291	148	6889	0	645	8806	9656	-1853	23307	53	23360	3320	469	27149	49.99
17	6155	1789	183	8127	179	7020	0	363	8257	8281	-1638	21877	463	22340	3266	455	26061	49.98
18	6055	1314	186	7555	349	6995	0	117	8326	8570	-1550	21575	0	21575	3192	461	25228	50.04
19	6095	1072	187	7354	432	7072	0	4	8038	7793	-1715	20473	0	20473	3125	467	24065	50.05
20	6012	1419	187	7618	555	7132	0	0	7480	7924	-1524	21225	0	21225	3094	480	24799	50.01
21	6133	440	186	6759	651	7097	0	0	7320	7379	-1654	19769	0	19769	2982	463	23214	50.02
22	6151	250	188	6589	404	7029	0	0	6968	7263	-1571	19257	0	19257	2876	457	22590	50.01
23	6190	431	188	6809	323	6952	0	0	7040	7353	-1617	19387	0	19387	2859	433	22679	49.96
24	6167	425	188	6780	232	6995	0	0	7405	7275	-1728	19134	0	19134	2859	420	22413	49.98
MUs	149.65	33.23	4.50	187.38	6.75	166.44	0.00	10.05	191.94	197.58	-37.38	520.61	0.52	521.12	68.83	10.21	600.16	49.98

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 15/Mar/2023

Position as on 6.30 Hrs of 16/Mar/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
FORCED OUTAGE								
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	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	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.	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	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	Koradi Unit-10	660	09/03/2023	11:11		Continued.	Boiler Tube Leakage	15/03/2023
MSPGCL	Nasik Unit 3	210	10/03/2023	15:22		Continued.	Axial shift high	17/03/2023
MSPGCL	Uran Unit B0	120	11/03/2023	09:02		Continued.	Bearing vibration high	25/03/2023
IPP	Adani U-2	660	12/03/2023	18:02		Continued.	turbine left hand side MS drain leakage	16/03/2023
MSPGCL	Chandrapur Unit 9	500	13/03/2023	18:08		Continued.	Boiler Tube Leakage	17/03/2023
MSPGCL	Koyna STG-IV Unit-1	250	15/03/2023	00:30		Continued.	Tripped on Governor fault	
MSPGCL	Koradi Unit 8	660	15/03/2023	02:06		Continued.	Boiler Tube Leakage	18/03/2023
MSPGCL	Koyna Unit 12	80	15/03/2023	15:40	15/03/2023	16:05	OVERSPEED PROTECTION	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Mar/2023

Statement-VII

Position as on 6.30 Hrs of 16/Mar/2023

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	15/03/2023	23:40	15/03/2023	07:26	EO	For attending oil leakage Tie CT-B -Ph (WA-W4-T1)
400 KV LINE Outages/Trippings							
LONIKAND I - TALEGAON (PGCIL)	InterState	15/03/2023	16:25	15/03/2023	17:54	EO	For shifting 400kV Lonikand-PGCIL Talegaon Line on 400kV TBC due to 29 A Isolator B Phase Hotspot attending work
DHULE - SSNNL CKT - 2	InterState	16/03/2023	04:31	16/03/2023	05:00	T	Tripped on overvoltage protection at SSNNL end only
PADGHE - NAGOTHANE CKT - 1	IntraState	09/03/2023	09:30			PO	CB replacement work
PADGHE - NAGOTHANE CKT - 1	IntraState	15/03/2023	08:57	15/03/2023	21:24	PO	Over voltage Relay replacement work
NEW KOYNA-KARAD CKT - 2	IntraState	15/03/2023	09:05	15/03/2023	11:08	PO	Cold line washing work
MAIN BUS - 2 @ TALANDGE	IntraState	15/03/2023	12:55			PO	1. AM work 2. Bus CVT replacement work 3. PID faulty strings replacement work.
MAIN BUS - 2 @ AKOLA 2	IntraState	15/03/2023	13:52	15/03/2023	17:45	PO	Maintenance of Bus equipment's
PADGHE - NAGOTHANE CKT - 2	IntraState	16/03/2023	10:04			PO	Over voltage Relay replacement work
400 KV ICT Outages/Trippings							
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.
400/220/33 KV 315MVA ICT - 1 @ CHAKAN	IntraState	15/03/2023	12:56	15/03/2023	16:20	EO	For topping up oil in conservator tank of R phase unit.
400/220/33 KV 500MVA ICT - 1 @ DEEPNAGAR	IntraState	15/03/2023	16:40	15/03/2023	19:30	PO	For attending Red hot on ICT-I LV 220kV R phase CT Stud clamp.
400/220/33 KV 500 MVA ICT - 3 @ KOLHAPUR	IntraState	16/03/2023	03:04			T	Tripped on NDR protection
400 KV BUSBAR Outages/Trippings							
400 KV MAIN BUS - 2 @ 400 KV KHAPARKHEDA 2	InterState	15/03/2023	10:28	15/03/2023	16:53	PO	Diagonastic testing of CVT's and Bus isolator maint.
220 KV TBC Outages/Trippings							
TBC @ BHOSARI 2	IntraState	16/03/2023	10:05			PO	Half Yearly Maintanence work
220 KV LINE Outages/Trippings							
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
CTRLS - NET MAGIC GIS	IntraState	07/03/2023	12:43			T	Distance Protection.
SONKHAR - TROMBAY	IntraState	15/03/2023	07:29	15/03/2023	10:34	EO	for safety purpose during recovery of old earthwire from loc. no. 699 hz to 706 hz (Vashi creek).
BOISAR II - TARAPUR	IntraState	15/03/2023	09:01	15/03/2023	18:21	PO	Replacement of Rusted Hardware, Old earthwire and other maintenance work.
PARANDA-BARSHI	IntraState	15/03/2023	09:35	15/03/2023	13:10	PO	Outage is required for Quarterly Maintenance
MALHARPETH SATARA MIDC	IntraState	15/03/2023	09:37	15/03/2023	18:55	PO	Cold washing of insulator
EKLAHARE (GCR) - AIROLI KNOW PARK	IntraState	15/03/2023	10:29	15/03/2023	18:53	PO	For Insulator cold washing work from loc no 191 to 215 (Samaruddhi highway nearby locations)
BOTHE - SWARAJ CO GEN	IntraState	15/03/2023	11:08	15/03/2023	15:48	PO	Distance Relay replacement Work

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Mar/2023

Statement-VII

Position as on 6.30 Hrs of 16/Mar/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
URSE - TALEGAON (AMBI) CKT 1	IntraState	15/03/2023	13:20	15/03/2023	15:30	PO	Shifting of 220kV Talegaon-Urse Line-1 on TBC for Bus isolator maintenance by Hot Line Unit.
GHATGHAR - BAPGAON	IntraState	15/03/2023	14:03	15/03/2023	18:19	PO	For Insulator cold washing work from loc no 191 to 215 (Samaruddhi highway nearby locations)
URSE-CHINCHWAD	IntraState	16/03/2023	00:14	16/03/2023	05:22	PO	HV back -up Relay replacement work
APTA - TAMBATI	IntraState	16/03/2023	05:08			PO	Diagnostic testing and hot spot attending work at Tambati end.
BOISAR II - TARAPUR	IntraState	16/03/2023	09:09			PO	Replacement of Rusted Hardware, Old earthwire and other maintenance work.
MHAISHAL - JATH	IntraState	16/03/2023	09:17			PO	Cold washing of insulator
MALHARPETH SATARA MIDC	IntraState	16/03/2023	09:25			PO	Cold washing of insulator
URAN - APTA 2	IntraState	16/03/2023	09:54			PO	For disc insulator string replacement work & Diagnostics testing and bay maint's work.

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
220/132KV 100 MVA ICT NO 2 @ MAGARPATTA	IntraState	01/03/2023	11:09			EO	Replacement of Diverter shaft
220 / 110 / 33kV 250MVA ICT 9 @ DHARAVI	IntraState	15/03/2023	10:42	15/03/2023	20:50	PO	Project Work-Shifting ICT-9 110 KV side on new 145 KV GIS.
220/132 KV 100 MVA ICT 1 @ SOUTH SOLAPUR	IntraState	15/03/2023	10:55	15/03/2023	13:38	PO	Outage is required for Diagnostic Testing Work to be done by MTU-Pune
220/132 KV 100MVA ICT 2 @ SOUTH SOLAPUR	IntraState	15/03/2023	14:05	15/03/2023	16:09	PO	Outage is required for Diagnostic Testing Work to be done by MTU-Pune

110 KV LINE Outages/Trippings

DHARAVI VIKHROLI	IntraState	10/02/2023	23:17			PO	for 400KV Project work of KVPTL
DHARAVI POWAI	IntraState	10/02/2023	23:35			PO	For 400KV project work on KVPTL
WAGHIVALI - MANKHURD	IntraState	14/03/2023	23:56	15/03/2023	04:40	PO	Project work - Movement of Jack up barge in the vicinity of line at location 81N
WAGHIVALI - CHEMBUR	IntraState	15/03/2023	11:27	15/03/2023	13:40	PO	For installing split core CT on cable section at tapping structure

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