

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 18/Apr/2023 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	168.829	2917.123	1) Gujrat	-2.826	-70.358
2) Hydro	30.837	387.201	2) Madhya Pradesh	9.826	156.285
3) Gas	4.351	47.943	3) Chattisgarh	3.170	82.140
Total MSPGCL	204.017	3352.267	4) Maharashtra	187.923	3241.818
B) 1) APLM	72.964	1329.000	5) Goa (Amona)	-1.459	-27.288
2) JSWEL	27.056	447.818	Total	196.634	3382.597
3) VIPL	0.000	0.000	a) Mumbai Schedule	35.073	599.457
4) RPL(AMT)	31.340	529.487	b) Mumbai Drawl	38.810	665.286
5) SWPGPL	12.420	206.001	c) MSEDCL Bilateral *	100.435	1727.424
6) Other IPP	19.104	386.644	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	35.073	599.457
C) 1) TPCL Thermal	14.254	215.341	Include PX	0.000	0.000
2) TPCL Hydro	6.197	97.785	Standby	0.000	0.000
3) TPCL Gas	4.087	53.857	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.411	178.558	1) MSEDCL	540.275	9270.197
D) STATE			2) Mumbai Discoms	74.759	1210.823
1) Thermal	357.378	6209.972	3) Other Discoms	10.554	183.310
(A1+C1+C4+(B1-B6))			TOTAL STATE	625.588	10664.330
2) Hydro	37.034	484.986			
(A2+C2)					
3) Gas	8.438	101.800			
(A3+B7+C3)					
4) Wind	10.532	215.366			
6) SOLAR	15.572	269.613			
TOTAL STATE	428.954	7281.737			

* 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 16 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	7086	7041	7086	6917
MSPGCL Hydro	194	1113	1950	1345
MSPGCL Gas	116	116	205	228
MSPGCL Total Generation	7396	8270	9241	8490
Central Sector Receipt	10240	10279	7682	6662
WIND	254	129	464	769
CPP / IPP Thermal	6430	6961	6983	7040
CPP / IPP Gas	0	0	0	0
SOLAR	2140	1237	0	0
Exchange with Mumbai	-2269	-2076	-1575	-1063
MSEDCL DEMAND MET	23725	24326	22307	21557
Load Shedding	0	0	0	0
MSEDCL DEMAND	23725	24326	22307	21557
TPCL GENERATION	806	1207	1235	898
AEML GENERATION	471	501	501	456
MUMBAI DEMAND	3546	3784	3311	2417
OTHER DISCOM DEMAND	466	474	488	341
STATE DEMAND MET	27737	28584	26106	24315
STATE DEMAND	27737	28584	26106	24315
Frequency (Hz)	49.96	50.01	50.00	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.27 Hz at 18.03 Hrs	49.78 Hz at 22.08 Hrs	50	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 18/Apr/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	1.46	79.48	145	0
Unit 8	0.00	214.31	0	0
Unit 9	13.24	102.86	596	538
Unit 10	13.02	239.82	575	507
Total	27.72	636.47		
Bhusawal				
Unit 3	3.76	61.00	165	140
Unit 4	10.64	158.02	480	415
Unit 5	10.60	190.41	455	425
Total	24.99	409.42		
Parli				
Unit 6	5.88	92.01	250	209
Unit 7	5.60	85.03	245	209
Unit 8	2.43	60.42	186	0
Total	13.91	237.46		
Chandrapur				
Unit 3	4.03	68.23	175	165
Unit 4	3.90	45.28	167	130
Unit 5	9.87	163.92	420	405
Unit 6	9.68	160.63	420	365
Unit 7	9.39	135.66	450	49
Unit 8	11.44	202.08	497	425
Unit 9	11.05	150.54	495	445
Total	59.36	926.35		
Paras				
Unit 3	5.34	80.01	232	212
Unit 4	5.64	79.86	238	230
Total	10.97	159.87		
Khaparkheda				
Unit 1	3.12	47.72	145	115
Unit 2	1.89	42.09	109	58
Unit 3	4.34	70.35	184	176
Unit 4	4.35	76.58	193	169
Unit 5	10.81	171.31	455	440
Total	24.50	408.05		
Nasik				
Unit 3	0.00	67.03	0	0
Unit 4	4.16	40.96	180	158
Unit 5	3.22	31.52	165	0
Total	7.37	139.50		
Uran				
All Units	4.35	47.94	232	113
Total	4.35	47.94		
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	1.72	0	0
Total	0.00	1.72		
Koyna				
Stage 1-2	6.42	95.78	520	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	15.76	160.00	1011	0
Stage 3	4.46	54.60	320	0
Total	26.63	310.39		
Hydro				
KDPH	0.80	15.08	34	33
VTRNA	1.13	21.30	61	0
TILLARI	0.00	1.82	0	0
BHIRA T.R.	0.28	5.43	80	0
SMLHY_PTN	1.99	31.46	87	78
GHATGHAR	0.00	0.00	0	0
Total	4.20	75.09		
Wind				
Total	10.53	215.37	0	0
Total	10.53	215.37		
CPP				
APML(Mus)	72.96	1329.00	0	0
JSWEL(Mus)	27.06	447.82	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	31.34	529.49	0	0
SWPGPL-Mus	12.42	206.00	0	0
Dhariwal	6.42	109.02	273	237
IEPL	5.64	95.30	270	168
Other(Mus)	7.04	182.32	0	0
Total	162.88	2898.95		
SOLAR				
Total	15.57	269.61	0	0
Total	15.57	269.61		
Tata				
Trombay 5	9.14	140.82	419	284
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.54	31.81	107	105
Trombay 7B	1.54	22.05	65	64
TATA Hydro	6.20	97.78	435	61
Trombay 8	5.11	74.52	238	137
Total	24.54	366.98		
AEML				
DTPS U-1&2	11.41	178.56	502	410
Total	11.41	178.56		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	168.83	2917.12	MSPGCL Total	204.02	3352.27
			MSPGCL Thml+Gas	173.18	2965.07	Koyna 1,2 & 4 Total	22.17	255.78
			MSPGCL Hydro	30.84	387.20	State Total	428.95	7281.74

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 18/Apr/2023

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLA R	CS SHAR E	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	Load Shedding		MSEDC L DEM. WITH LS	MUMBAI DEMAN D	OTHER DISCOM DEMAN D	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS						Planne d	Trans missio n Constr aint					
1	6558	1689	225	8472	464	7043	0	0	6918	6823	-1346	21040	848	0	21888	2972	416	25276	49.96
2	6631	1811	229	8671	781	7071	0	0	6791	6891	-1225	21820	0	0	21820	2761	369	24950	50.01
3	6730	1623	228	8581	865	7061	0	0	6692	6674	-1128	21709	0	0	21709	2563	344	24616	50.10
4	6917	1345	228	8490	769	7040	0	0	6553	6662	-1063	21557	0	0	21557	2417	341	24315	49.94
5	7027	1592	229	8848	720	7022	0	0	6502	6612	-1013	21844	0	0	21844	2340	345	24529	50.00
6	7095	1767	230	9092	702	7001	0	0	6694	7131	-1004	22529	0	0	22529	2401	393	25323	50.20
7	7069	1757	232	9058	685	6953	0	75	7040	7124	-1045	22431	0	0	22431	2443	419	25293	50.03
8	7108	931	226	8265	459	6823	0	501	7429	7642	-1323	21933	0	0	21933	2545	434	24912	50.04
9	7120	587	147	7854	348	6217	0	1034	8446	8445	-1714	21722	0	0	21722	2835	462	25019	50.00
10	7180	538	132	7850	360	6064	0	1632	9159	9384	-1919	22894	0	0	22894	3172	477	26543	49.93
11	7171	232	125	7528	348	6059	0	1948	9967	9998	-2143	23279	0	0	23279	3431	459	27169	49.95
12	7086	194	116	7396	254	6430	0	2140	10354	10240	-2269	23725	0	61	23725	3546	466	27737	49.96
13	7079	159	113	7351	183	6385	0	2155	10284	10067	-2312	23362	0	68	23362	3586	467	27415	49.95
14	7103	158	116	7377	153	6261	0	1994	10260	10195	-2171	23355	0	0	23355	3559	454	27368	49.98
15	7094	781	115	7990	144	6531	0	1696	10244	10433	-2104	24236	0	2	24236	3706	454	28396	49.99
16	7041	1113	116	8270	129	6961	0	1237	10181	10279	-2076	24326	0	9	24326	3784	474	28584	50.01
17	7024	1429	115	8568	148	6980	0	763	9468	9731	-1966	23731	0	22	23731	3707	493	27931	50.00
18	7046	1994	120	9160	280	7024	0	385	8403	8237	-1812	22777	0	8	22777	3546	497	26820	50.00
19	7087	1857	204	9148	389	7000	0	12	7738	7555	-1622	21984	0	3	21984	3343	498	25825	50.05
20	7086	1950	205	9241	464	6983	0	0	7663	7682	-1575	22307	0	0	22307	3311	488	26106	50.00
21	7117	1925	222	9264	368	7001	0	0	7227	7223	-1521	21861	0	0	21861	3255	474	25590	50.03
22	7141	1610	226	8977	530	6937	0	0	7060	6869	-1454	21394	0	0	21394	3178	465	25037	49.99
23	7141	1770	224	9135	551	7014	0	0	7113	7319	-1497	22084	0	0	22084	3164	438	25686	49.97
24	7178	2025	228	9431	438	7023	0	0	7096	7418	-1508	22373	0	0	22373	3194	429	25996	50.00
MUs	168.83	30.84	4.35	204.02	10.53	162.88	0.00	15.57	195.28	196.63	-38.81	540.27	0.85	0.17	541.12	74.76	10.55	626.44	50.00

NOTE : ALL VALUES IN MW

Mumbai Net Exch is shown with reference to MSETCL system and (-) sign indicates MSETCL periphery to Mumbai system.

1) DLS Done to control voltage at Ionikand and jejuri 2) DLS done due to overloading of urse Chinchwad, Alphalete BBLSR and nasik BBLSR line.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 18/Apr/2023

Position as on 6.30 Hrs of 19/Apr/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Uran Unit 6	108	18/04/2023	08:12	18/04/2023	17:58	NO SCHEDULE	
MSPGCL	Uran Unit 6	108	19/04/2023	05:13		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	19/04/2023
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	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	01/06/2023
MSPGCL	Nasik Unit 5	210	08/04/2023	20:20	18/04/2023	02:02	Boiler Tube Leakage(under tolling from 18.00Hrs DT. 13-04-2023)	
MSPGCL	Chandrapur Unit 7	500	14/04/2023	07:58	18/04/2023	00:19	HPT Top bottom casing Temperature difference	18/04/2023
MSPGCL	Parli Unit 8	250	15/04/2023	22:05	18/04/2023	07:18	Boiler Tube Leakage	18/04/2023
MSPGCL	Koradi Unit 8	660	16/04/2023	11:24		Continued.	Boiler Tube Leakage	19/04/2023
MSPGCL	Nasik Unit 3	210	17/04/2023	21:27		Continued.	Boiler Tube Leakage	20/04/2023
MSPGCL	Koradi Unit 6	210	18/04/2023	10:25		Continued.	Boiler Tube Leakage	
AEML	AEML Unit 2	250	19/04/2023	07:09		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Apr/2023

Statement-VII

Position as on 6.30 Hrs of 19/Apr/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
AKOLA II - EKTUNI CKT - 1	IntraState	09/04/2023	22:22			T	Tripped on distance protection
400 KV TIEBAY Outages/Trippings							
TIE BAY - 411 OF KARAD LINE AND 400/220KV 315MVA ICT - 1 @ SOLAPUR (PG)	InterState	15/04/2023	09:39			PO	411-Bay Y.Ph CT Replacement due to oil seepage from porcelain and cementing joint
400 KV LINE Outages/Trippings							
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
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	03/04/2023	11:30			HT	H/T TO CONTROL LINE LOADING OF PUNE PG
CHANDRAPUR 2 - KUMBHARGAON(NANDED) CKT - 2	IntraState	11/04/2023	09:07			PO	Diagnostic testing and allied bay maintenance work
BABHALESHWAR - PADGHE CKT-1	IntraState	18/04/2023	13:04	18/04/2023	17:54	T	TRIPPED ON DIST.PROTECTION
EKTUNI - TAPTITANDA CKT - 2	IntraState	18/04/2023	18:50	18/04/2023	21:15	EO	Attending R Phase Current Transformer (CT) Oil leakage, By Cold Welding.
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 315 MVA ICT - 2 @ WALUJ	IntraState	17/04/2023	10:30			PO	1. ICT-II IV Bay Circuit Breaker Pole Overhauling Work. 2. ICT-II IV will be charged through TBC.
400/220/33 KV 500 MVA ICT - 3 @ KOLHAPUR	IntraState	17/04/2023	16:44	18/04/2023	04:16	PO	1. SFRA Testing 2. 33kv IPS Tube and BPI insulation coating work to avoid NDR Tripping 3. OLTC oil filtration work 4. R ph Unit oil leakage attending work 5. Protection & Colling system Supervisory trials. 6. Diagnostic testing work
400/220/33 KV 500MVA ICT - 1 @ DEEPNAGAR	IntraState	18/04/2023	08:19	18/04/2023	14:51	EO	Emergency outage proposal on 400/220 kv 501 MVA ICT-1 for replacement of 33 kv tertiary PT (3 Nos)
400/220/33 KV 500MVA ICT - 1 @ KORADI 2	IntraState	18/04/2023	11:18	18/04/2023	12:25	T	WTI METER ISSUE
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
KALWA - SALESETTE CKT - 5	IntraState	13/04/2023	10:10			PO	Normalization of 110 KV Kalwa Kalyan Salsette 2 section - 220 KV Kalwa Salsette 5 project work.
TALOJA II - OCIL 1	IntraState	17/04/2023	09:22	18/04/2023	19:48	PO	Isolator maintenance & Checking of busbar connections nut-blot tightness.

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 18/Apr/2023

Statement-VII

Position as on 6.30 Hrs of 19/Apr/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
MIRAJ - ICHALKARANJI	IntraState	17/04/2023	17:05	18/04/2023	03:18	PO	1)For proper load management at 220 kV Tilawani & 220 kV Miraj S/S as on dt. 17.04.2023 outage proposed on 220 kV Talandage-Ichalkaranji Ckt-2. & 220 kV Talandage- Ichalkaranji -1 2)220 kV Miraj- Ichalkaranji line needs to be kept off at 220 kV Ichalkaranji (Tilawani) S/S. 3) 220 kV Miraj - Ichalkaranji line will be in service from 220 kV Miraj S/S end.
TALANDGE - ICHALKARANJI 1	IntraState	17/04/2023	18:56	18/04/2023	03:15	PO	For attending hospot at T.L No 29 B phase & Repairement of damaged conductor in between T L no 33-34, B Phase
BHUGAON - WARDHA (PG)	IntraState	17/04/2023	22:10	18/04/2023	00:06	HT	To control OD
SHENDRA - CHITTEPIMPALGAON (PG) CKT - 1	IntraState	17/04/2023	22:34	18/04/2023	00:17	HT	To control OD
TALANDGE - HAMIDWADA	IntraState	18/04/2023	06:23	18/04/2023	08:49	EO	Attending Hot Spot at Loc. No. 9,17,45
NIWALI - PAWAS LINE	IntraState	18/04/2023	09:03	18/04/2023	18:42	PO	For cold washing of line insulator strings.
MALEGAON (ZODGA) - BALAPUR CKT 1	IntraState	18/04/2023	09:10	18/04/2023	11:54	T	Replacemen of flashover disc at loc. 190 r ph.
MHAISHAL- JATH	IntraState	18/04/2023	09:52	18/04/2023	22:12	PO	For replacement of R, Y & B-Ph CTs due to higher Tan delta results
PARLI 3(OLD GCR)-PARLI NEWTPS CKT 1	IntraState	18/04/2023	10:18	18/04/2023	16:19	T	cold line washing work of insulators strings.
NAGOTHANE - ACCIL	IntraState	18/04/2023	11:56	18/04/2023	18:37	PO	Pre mansoon maintenance and other R&M work
BHUGAON - WARDHA (PG)	IntraState	18/04/2023	17:00	18/04/2023	18:22	HT	H/T due to control Overdrawal of 780MW.
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 100 MVA ICT 1	IntraState	10/04/2023	03:25	18/04/2023	12:28	T	Tripped on REF and diff prot.
220/100 KV 100 MVA ICT 1 @ VASAI-II	IntraState	18/04/2023	09:39	18/04/2023	12:35	EO	For installation of repaired REC 670 relay of 100MVA, 220/100kV ICT-1 by Kalwa Testing team.
220/132 KV, 100MVA ICT I	IntraState	18/04/2023	12:35			T	Testing anmd maint.
220 KV BUSBAR Outages/Trippings							
MAIN BUS @ SWARAJ CO GEN	IntraState	18/04/2023	10:35	18/04/2023	15:00	PO	For annual maintenance, Switchyard equipment testing & 220 kV Bus bar testing work at 220 kV Swaraj Co-gen.
110 KV LINE Outages/Trippings							
SALSETTE POWAI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.
SALSETTE VIKHROLI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.

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