

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 16/Apr/2024 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	183.073	2785.634	1) Gujrat	2.996	47.849
2) Hydro	24.867	186.329	2) Madhya Pradesh	12.583	188.326
3) Gas	6.864	104.493	3) Chattisgarh	4.050	62.850
Total MSPGCL	214.804	3076.456	4) Maharashtra	197.691	2953.957
B) 1) APLM	56.078	1085.633	5) Goa (Amona)	-3.067	-43.339
2) JSWEL	29.082	408.880	Total	214.253	3209.643
3) VIPL	0.000	0.000	a) Mumbai Schedule	40.878	576.542
4) RPL(AMT)	31.508	481.273	b) Mumbai Drawl	43.845	626.813
5) SWPGPL	10.815	175.997	c) MSEDCL Bilateral *	91.156	1435.189
6) Other IPP	16.065	389.566	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	40.878	576.542
C) 1) TPCL Thermal	14.635	195.848	Include PX	0.000	0.000
2) TPCL Hydro	7.288	68.106	Standby	0.000	0.000
3) TPCL Gas	4.132	63.601	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.512	165.376	1) MSEDCL	541.330	8487.659
D) STATE			2) Mumbai Discoms	80.412	1119.745
1) Thermal	351.768	5688.207	3) Other Discoms	10.698	172.739
(A1+C1+C4+(B1-B6))			TOTAL STATE	632.440	9780.143
2) Hydro	32.155	254.435			
(A2+C2)					
3) Gas	10.996	168.094			
(A3+B7+C3)					
4) Wind	6.997	205.964			
6) SOLAR	16.271	253.799			
TOTAL STATE	418.187	6570.499			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 11 Hrs	B. Day Peak at 16 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 5 Hrs
MSPGCL Thermal	7274	7813	8048	7450
MSPGCL Hydro	677	965	1328	543
MSPGCL Gas	275	275	284	287
MSPGCL Total Generation	8226	9053	9660	8280
Central Sector Receipt	10060	10299	8591	8671
WIND	235	146	357	352
CPP / IPP Thermal	5353	5887	6325	6175
CPP / IPP Gas	0	0	0	0
SOLAR	2081	1342	0	0
Exchange with Mumbai	-2225	-2459	-1778	-1317
MSEDCL DEMAND MET	23269	23767	22651	21794
Load Shedding	0	0	0	0
MSEDCL DEMAND	23269	23767	22651	21794
TPCL GENERATION	1007	1292	1275	714
AEML GENERATION	458	291	503	469
MUMBAI DEMAND	3690	4042	3556	2500
OTHER DISCOM DEMAND	461	501	504	367
STATE DEMAND MET	27420	28310	26711	24661
STATE DEMAND	27420	28310	26711	24661
Frequency (Hz)	50.01	50.01	50.02	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.23 Hz at 18.01 Hrs	49.85 Hz at 00.06 Hrs	50.01	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 16/Apr/2024

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	58.80	0	0
Unit 8	14.23	222.00	607	568
Unit 9	14.34	220.95	622	586
Unit 10	13.94	122.56	620	540
Total	42.51	624.31		
Bhusawal				
Unit 3	3.74	56.76	170	120
Unit 4	10.54	172.92	470	395
Unit 5	11.40	142.20	495	450
Total	25.69	371.88		
Parli				
Unit 6	4.74	68.16	250	144
Unit 7	4.99	70.78	248	144
Unit 8	4.90	69.29	249	148
Total	14.63	208.23		
Chandrapur				
Unit 3	3.37	49.84	150	127
Unit 4	0.00	53.28	0	0
Unit 5	5.86	108.23	440	0
Unit 6	7.46	138.22	345	285
Unit 7	9.90	128.98	457	297
Unit 8	10.06	159.22	425	400
Unit 9	11.81	183.16	499	477
Total	48.47	820.92		
Paras				
Unit 3	5.75	76.83	255	215
Unit 4	6.00	90.11	254	244
Total	11.74	166.94		
Khaparkheda				
Unit 1	3.93	60.30	175	145
Unit 2	4.31	67.31	195	156
Unit 3	4.18	63.13	180	170
Unit 4	4.53	63.18	193	165
Unit 5	11.68	179.86	490	480
Total	28.62	433.77		
Nasik				
Unit 3	3.92	43.51	179	128
Unit 4	3.88	60.19	173	130
Unit 5	3.60	55.89	162	125
Total	11.40	159.59		
Uran				
All Units	6.86	104.49	371	265
Total	6.86	104.49		
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)	0.30	2.94	54	0
Total	0.30	2.94		
Koyna				
Stage 1-2	4.98	45.22	495	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	11.90	51.06	1009	0
Stage 3	3.65	21.31	240	80
Total	20.53	117.60		
Hydro				
KDPH	0.79	13.27	33	33
VTRNA	0.76	13.02	60	0
TILLARI	0.00	1.62	0	0
BHIRA T.R.	0.00	0.00	0	0
SMLHY_PTN	2.21	36.18	98	86
GHATGHAR	0.57	4.64	125	0
Total	4.34	68.73		
Wind				
Total	7.00	205.96	0	0
Total	7.00	205.96		
CPP				
APML(Mus)	56.08	1085.63	0	0
JSWEL(Mus)	29.08	408.88	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	31.51	481.27	0	0
SWPGPL-Mus	10.82	176.00	0	0
Dhariwal	0.00	0.00	0	0
IEPL	4.07	84.57	239	155
Other(Mus)	9.84	241.39	0	0
JPL	2.16	63.60	135	68
Total	143.55	2541.35		
SOLAR				
Total	16.27	253.80	0	0
Total	16.27	253.80		
Tata				
Trombay 5	9.49	128.57	454	271
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.57	39.55	108	106
Trombay 7B	1.56	24.05	65	65
TATA Hydro	7.29	68.11	435	124
Trombay 8	5.14	67.27	235	141
Total	26.06	327.56		
AEML				
DTPS U-1&2	10.51	165.38	503	291
Total	10.51	165.38		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	183.07	2785.63	MSPGCL Total	214.80	3076.46
			MSPGCL Thml+Gas	189.94	2890.13	Koyna 1,2 & 4 Total	16.88	96.28
			MSPGCL Hydro	24.87	186.33	State Total	418.19	6570.50

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 16/Apr/2024

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	Load Shedding		MSEDC L DEM. WITH LS	MUMBAI DEMAND	OTHER DISCOM DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS						Planned	*Transmission Constraint					
1	7471	1478	286	9235	382	6218	0	0	8489	8485	-1572	22328	0	0	22328	3189	420	25937	49.97
2	7492	1432	286	9210	436	6250	0	0	8746	8500	-1555	22500	0	0	22500	2929	341	25770	50.00
3	7487	1085	286	8858	370	6252	0	0	8639	8419	-1464	22125	0	0	22125	2721	310	25156	50.00
4	7464	539	287	8290	405	6162	0	0	8852	8626	-1362	21812	0	0	21812	2569	309	24690	49.99
5	7450	543	287	8280	352	6175	0	0	8978	8671	-1317	21794	0	0	21794	2500	367	24661	49.96
6	7516	1095	289	8900	353	6222	0	0	8362	8319	-1130	22272	0	0	22272	2545	392	25209	49.97
7	7517	1732	289	9538	354	6210	0	76	8382	8036	-1052	22743	0	0	22743	2593	419	25755	50.04
8	7467	1025	289	8781	300	6134	0	494	8369	8415	-1298	22404	0	0	22404	2726	422	25552	50.06
9	7431	517	285	8233	271	5860	0	1047	8936	8719	-1899	21793	0	2	21793	3054	438	25285	49.99
10	7476	361	276	8113	250	5823	0	1655	9782	9299	-2112	22563	0	12	22563	3411	465	26439	50.02
11	7274	677	275	8226	235	5353	0	2081	10429	10060	-2225	23269	0	118	23269	3690	461	27420	50.01
12	7191	745	269	8205	175	5185	0	2277	10099	9780	-2292	22852	0	225	22852	3850	478	27180	49.99
13	7257	818	265	8340	127	5157	0	2261	9863	9650	-2259	22797	0	97	22797	3898	479	27174	50.00
14	7281	877	265	8423	118	5063	0	2024	9806	9851	-2271	22743	0	63	22743	3862	465	27070	50.04
15	7572	1076	268	8916	142	5486	0	1823	9986	10008	-2414	23468	0	49	23468	3983	493	27944	49.98
16	7813	965	275	9053	146	5887	0	1342	10349	10299	-2459	23767	0	13	23767	4042	501	28310	50.01
17	7877	807	276	8960	266	6113	0	845	10217	10018	-2311	23377	0	43	23377	3931	514	27822	50.02
18	7872	604	279	8755	208	6110	0	334	9795	9477	-2077	22296	0	39	22296	3746	511	26553	49.99
19	7968	492	280	8740	236	6293	0	12	9029	8983	-1875	21871	0	1	21871	3569	518	25958	50.01
20	8048	1328	284	9660	357	6325	0	0	8937	8591	-1778	22651	0	0	22651	3556	504	26711	50.02
21	8000	1286	284	9570	418	6303	0	0	8268	8151	-1740	22202	0	0	22202	3482	500	26184	50.03
22	8058	1589	278	9925	364	6310	0	0	7966	7932	-1760	22279	0	0	22279	3474	492	26245	50.01
23	8035	1808	335	10178	363	6329	0	0	7934	8158	-1801	22762	131	0	22893	3531	465	26889	50.00
24	8056	1988	371	10415	369	6328	0	0	7851	7806	-1822	22660	313	0	22973	3561	436	26970	50.01
MUs	183.07	24.87	6.86	214.80	7.00	143.55	0.00	16.27	218.06	214.25	-43.84	541.33	0.44	0.66	541.77	80.41	10.70	632.88	50.01

NOTE : ALL VALUES IN MW

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

*Load Shedding due to Transmission Constraint :-

- 1.DLS due to overloading of 400 kV Chakan Talegaon line.
- 2.132 KV BBLR to Rahuri line over Load Alarm 488 AMP/103.14 MW

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 16/Apr/2024

Position as on 6.30 Hrs of 17/Apr/2024

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL								
MSPGCL	Uran Unit 5	108	12/11/2022	13:23		Continued.	Major overhaul.	17/04/2024
MSPGCL	Koyna Unit 11	80	10/07/2023	09:40		Continued.	Capital Overhaul	20/04/2024
Total Capacity MSPGCL		188						
Total Capacity PLANNED OUTAGE		188						
FORCED OUTAGE								
MSPGCL								
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	31/08/2024
MSPGCL	Chandrapur Unit 5	500	13/04/2024	00:31	16/04/2024	07:45	Excessively high DM consumption due to FD 47 and boiler side leakages.	17/04/2024
MSPGCL	Ghatghar Unit-1	125	13/04/2024	15:00		Continued.	GM Link Fault	17/04/2024
MSPGCL	Koradi Unit 6	210	15/04/2024	16:35		Continued.	Boiler Tube Leakage	18/04/2024
MSPGCL	Chandrapur Unit 4	210	15/04/2024	17:18		Continued.	Boiler Tube Leakage	18/04/2024
Total Capacity MSPGCL		1165						
IPP								
IPP	Adani U-3	660	13/04/2024	04:57	17/04/2024	07:15	APH-A inlet bellow leakage	17/04/2024
Total Capacity IPP		660						
CENT.SECTOR								
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.	31/08/2024
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.	30/09/2024
Total Capacity CENT.SECTOR		320						
Total Capacity FORCED OUTAGE		2145						
UNIT UNDER ZERO SCHEDULE / RSD								
IPP								
IPP	JPL Unit 2	150	14/04/2024	08:49		Continued.	Low net sales realization. (Unit is under Forced outage from 12:00hrs of Dt.16.04.2024)	
Total Capacity IPP		150						
Total Capacity UNIT UNDER ZERO SCHEDULE / RSD		150						
FORCED OUTAGE DUE TO NO PPA								
MSPGCL								

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 16/Apr/2024

Position as on 6.30 Hrs of 17/Apr/2024

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Uran Unit 6	108	15/04/2024	21:30	16/04/2024	22:00	Zero Schedule(Due to open cycle can be taken on bar as per MSEDCL requirement)	
MSPGCL	Uran Unit 6	108	17/04/2024	06:47		Continued.	Zero schedule (due to open cycle can be taken on bar as per MSETCL requirement).	
Total Capacity MSPGCL		216						
IPP								
IPP	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
IPP	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)	
Total Capacity IPP		988						
Total Capacity FORCED OUTAGE DUE TO NO PPA		1204						

* Other generator generating power instead of contracted genertaoor with tri-party agreement in between generatos & discom (Case-IV bidding)

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Apr/2024

Statement-VII

Position as on 6.30 Hrs of 17/Apr/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV TIEBAY Outages/Trippings							
TIE BAY (702) OF 765/21KV GT-4 and 765/400KV ICT (HV Side) @ TIRORA	IntraState	16/04/2024	12:43	16/04/2024	16:37	PO	CT OIL SAMPLE COLLECTION FOR DGA
400 KV TIEBAY Outages/Trippings							
TIE BAY (408) OF WARORA CKT - 2 AND ST - 2 @ TIRORA	IntraState	16/04/2024	17:27	16/04/2024	18:55	PO	CT OIL SAMPLE COLLECTION FOR DGA
400 KV LINE Outages/Trippings							
BUS REACTOR (50MVAR) @ PARLI	IntraState	27/09/2023	15:30			PO	Replacement of old 50 MVAR bus reactor by new 125 MVAR bus reactor.
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	28/03/2024	23:52	16/04/2024	20:55	HT	For load management of Talegaon Chakan line
PADGHE - KALWA CKT - 1	IntraState	12/04/2024	13:58	17/04/2024	04:56	PO	1.B Bus PG Isolator replacement work under LES Scheme. 2. 400kV Kalwa-I in service through TBC. 3.CB Diagnostic Testing Work.
CHANDRAPUR 2 - CHD SWITCHING CKT - 2	IntraState	16/04/2024	18:24	17/04/2024	01:43	PO	Diagnostic testing and allied bay Maintenance work
PADGHE - KALWA CKT - 1	IntraState	17/04/2024	00:55	17/04/2024	04:56	HT	Emergency outage availed for hotspot attending work
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	17/04/2024	03:46			HT	H/T for load management
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.
400/220KV 500 MVA ICT - 3 @ VIKHROLI GIS	IntraState	10/02/2024	17:40			HT	H/T For LV only.
400/220KV 105 MVA SPARE ICT @ KHADKA	IntraState	16/04/2024	09:00	16/04/2024	12:00	PO	For premonsoon maintenance and routine maintenance works.
400/220 KV 315MVA ICT - 2 @ KARAD	IntraState	16/04/2024	17:41	17/04/2024	01:44	PO	Replacement of MOG & Buchholz relay of R Phase Unit. Diagnostic testing work of ICT-1
400/220/20 KV 500MVA ICT - 3 @ KALWA	IntraState	17/04/2024	05:22	17/04/2024	06:22	HT	Emergency outage availed for hot spot attending work
220 KV MAINBAY Outages/Trippings							
220KV BUS SECTION BAY @ PEDAMBE	IntraState	03/04/2024	15:55			T	Tripped due to Y ph CT burst
220 KV LINE Outages/Trippings							
NARANGWADI - SOLAPUR PG CKT - 2	InterState	16/04/2024	10:56	16/04/2024	18:43	PO	Pilot String clamp fixing at Loc no.226 -R ph, H6-Y pH, H2-Y ph, 192- Y Ph
NARANGWADI - SOLAPUR PG CKT - 2	InterState	16/04/2024	10:56	16/04/2024	18:43	PO	Pilot string clamp fixing
URAN - KHARGHAR 2	IntraState	14/02/2024	08:41			PO	For making LILO of 220kV cable at 220kV Ulwe GIS &Waghiwali & Retrofitting of "DIFF" relay at 400kV KHARGHAR s/s.
ALEPHATA-PARGAON(KATHAPUR)	IntraState	16/03/2024	01:34			HT	Hand Tripped For Load management
DAHANU - VERSOVA	IntraState	09/04/2024	22:49			PO	Shifting of Lines on Newly constructed Towers for DFCCIL 1. Bunching of lines will be done on Tower no 82.
BOISAR - VERSOVA	IntraState	09/04/2024	22:53				Shifting of Lines on Newly constructed Towers for DFCCIL 1. Bunching of lines will be done on Tower no 82.

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Apr/2024

Statement-VII

Position as on 6.30 Hrs of 17/Apr/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
PADGHE - TEMGHAR - 1	IntraState	15/04/2024	16:05			PO	Permission for shifting on TBC for Replacement of 245kV CB of 220kV Padghe- Temghar-1 line under project work
KARAD - VITA CKT- 1	IntraState	16/04/2024	00:32	16/04/2024	01:33	T	Line tripped on distance protection
APTA - TALOJA	IntraState	16/04/2024	05:47	16/04/2024	13:22	PO	Fitting of cross arm and Stringing of conductor between Loc no. 638 to 639 on new erected tower for height raising work at Taloja MIDC road crossing.
WARDHA-YEOTMAL	IntraState	16/04/2024	09:10	16/04/2024	17:05	PO	Restraining of loose span
KANDALGAON - PIRANGUT	IntraState	16/04/2024	09:16	16/04/2024	15:25	T	Tripped on distance protection
GHODBUNDER - MSETCL BOISAR	IntraState	16/04/2024	10:28	17/04/2024	02:14	T	tripped on overcurrent protection
BORIVALI - TARAPUR	IntraState	16/04/2024	11:45	16/04/2024	12:15	T	tripped on overcurrent protection
BORIVALI - TARAPUR	IntraState	16/04/2024	12:44	16/04/2024	16:05	T	tripped on overcurrent protection again
PEDAMBE-KALAMBANI(TSS)	IntraState	16/04/2024	12:47	16/04/2024	19:35	PO	For cold washing of insulator strings, monkey patrolling and other line maintenance work.
RANJANGAON - U TECH SUGAR CKT	IntraState	16/04/2024	18:55	16/04/2024	22:27	T	Tripped on distance protection.
KANDALGAON - KOYNA (POPHALI)	IntraState	17/04/2024	06:09	17/04/2024	08:09	PO	Urgent tree cutting spans observed in ground patrolling Loc 297-298-299
APTA - TALOJA	IntraState	17/04/2024	06:28			PO	Fitting of bottom phase cross arm and Stringing of conductor between Loc no. 638 to 639 on new erected tower for height raising work at Taloja MIDC road crossing.
220 KV ICT Outages/Trippings							
220/33KV 50MVA BBL T/F @ OGLEWADI	IntraState	16/04/2024	08:21	16/04/2024	19:21	PO	1.Oil Leakage attending Work 2.TF Painting Wprk
220/132/11 KV 200 MVA ICT 1 @ AMRAVATI	IntraState	16/04/2024	08:37	16/04/2024	16:55	PO	Testing work
220/132 KV 200 MVA ICT 2 @ MALEGAON	IntraState	16/04/2024	09:10	16/04/2024	20:12	PO	Testing and R.M.work
220/132 KV 100 MVA ICT 2	IntraState	16/04/2024	10:04	16/04/2024	18:13	PO	LV side R Phase CT to Stub Bus Jumpering work
220/132 KV 100 MVA ICT 1 @ PHALTAN MIDC	IntraState	17/04/2024	09:10			PO	1.Relay Testing Work 2.Diagnostic Testing Work 3.Quarterly Maintenance Work
110 KV LINE Outages/Trippings							
SALSETTE POWAI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.
110 KV BUSBAR Outages/Trippings							
ZONE 1 (BUS SECTION 1+2+3) @ BHIVPURI	IntraState	17/04/2024	01:05	17/04/2024	08:28	PO	110KV BA- 1 line MBS side GOD bus connection and and PT # 1 onnection tapping work for new CRP

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