

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 25/Apr/2024 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	183.260	4319.511	1) Gujrat	0.769	81.706
2) Hydro	20.817	314.564	2) Madhya Pradesh	9.083	290.051
3) Gas	7.674	184.465	3) Chattisgarh	2.390	98.260
Total MSPGCL	211.751	4818.540	4) Maharashtra	181.545	4720.147
B) 1) APML	66.650	1655.012	5) Goa (Amona)	-2.299	-66.128
2) JSWEL	28.726	666.126	Total	191.488	5124.036
3) VIPL	0.000	0.000	a) Mumbai Schedule	38.878	957.640
4) RPL(AMT)	31.649	765.891	b) Mumbai Drawl	39.985	1020.890
5) SWPGPL	10.719	273.522	c) MSEDCL Bilateral *	104.572	2253.343
6) Other IPP	19.322	572.802	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	38.878	957.640
C) 1) TPCL Thermal	14.004	317.756	Include PX	0.000	0.000
2) TPCL Hydro	5.252	122.275	Standby	0.000	0.000
3) TPCL Gas	4.134	100.356	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.831	240.217	1) MSEDCL	536.255	13295.397
D) STATE			2) Mumbai Discoms	75.206	1801.491
1) Thermal	366.161	8810.837	3) Other Discoms	11.115	272.021
(A1+C1+C4+(B1-B6))			TOTAL STATE	622.576	15368.909
2) Hydro	26.069	436.839			
3) Gas	11.808	284.821			
4) Wind	10.403	316.663			
6) SOLAR	16.647	395.716			
TOTAL STATE	431.088	10244.876			

* 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	7460	7860	7650	7764
MSPGCL Hydro	150	383	1746	827
MSPGCL Gas	276	274	352	293
MSPGCL Total Generation	7886	8517	9748	8884
Central Sector Receipt	9151	9300	7922	6734
WIND	215	170	392	532
CPP / IPP Thermal	5772	6725	7067	7082
CPP / IPP Gas	0	0	0	0
SOLAR	2278	1423	0	0
Exchange with Mumbai	-2060	-1988	-1677	-1391
MSEDCL DEMAND MET	22725	23650	22952	21487
Load Shedding	0	0	0	0
MSEDCL DEMAND	22725	23650	22952	21487
TPCL GENERATION	1105	1140	1082	658
AEML GENERATION	499	500	490	469
MUMBAI DEMAND	3664	3628	3249	2518
OTHER DISCOM DEMAND	517	497	500	354
STATE DEMAND MET	26906	27775	26701	24359
STATE DEMAND	26906	27775	26701	24359
Frequency (Hz)	50.02	49.92	49.98	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.32 Hz at 13:06 Hrs	49.8 Hz at 15:27 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 25/Apr/2024

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.48	89.98	190	175
Unit 8	14.55	350.52	614	599
Unit 9	14.33	349.05	611	577
Unit 10	15.25	230.52	660	620
Total	48.62	1020.07		
Bhusawal				
Unit 3	3.48	89.22	170	125
Unit 4	10.07	202.96	455	300
Unit 5	10.04	233.82	475	315
Total	23.58	525.99		
Parli				
Unit 6	4.91	110.53	253	143
Unit 7	4.70	112.21	242	144
Unit 8	0.00	98.13	0	0
Total	9.62	320.87		
Chandrapur				
Unit 3	0.25	76.32	130	0
Unit 4	3.78	82.14	171	131
Unit 5	9.35	192.60	435	260
Unit 6	8.42	209.28	395	280
Unit 7	9.56	215.50	467	281
Unit 8	10.58	218.82	464	413
Unit 9	11.45	286.18	496	439
Total	53.39	1280.85		
Paras				
Unit 3	4.80	122.44	235	143
Unit 4	5.84	137.25	255	189
Total	10.64	259.69		
Khaparkheda				
Unit 1	3.70	93.75	170	130
Unit 2	4.50	106.33	195	174
Unit 3	4.17	99.77	177	167
Unit 4	2.71	96.90	189	0
Unit 5	11.18	253.70	470	455
Total	26.26	650.45		
Nasik				
Unit 3	3.99	78.89	179	124
Unit 4	3.92	94.61	171	130
Unit 5	3.24	88.10	164	0
Total	11.15	261.59		
Uran				
All Units	7.67	184.46	482	272
Total	7.67	184.46		
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)	0.13	4.74	53	0
Total	0.13	4.74		
Koyna				
Stage 1-2	4.25	75.31	560	35

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	9.67	97.50	752	0
Stage 3	3.39	38.52	320	0
Total	17.31	211.33		
Hydro				
KDPH	0.76	20.27	32	31
VTRNA	0.83	20.70	60	0
TILLARI	0.00	1.62	0	0
BHIRA T.R.	0.00	0.00	0	0
SMLHY_PTN	1.77	54.63	83	72
GHATGHAR	0.15	6.01	80	0
Total	3.51	103.24		
Wind				
Total	10.40	316.66	0	0
Total	10.40	316.66		
CPP				
APML(Mus)	66.65	1655.01	0	0
JSWEL(Mus)	28.73	666.13	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	31.65	765.89	0	0
SWPGPL-Mus	10.72	273.52	0	0
Dhariwal	0.00	0.00	0	0
IEPL	4.86	133.30	255	0
Other(Mus)	9.69	333.49	0	0
JPL	4.77	106.01	225	180
Total	157.07	3933.35		
SOLAR				
Total	16.65	395.72	0	0
Total	16.65	395.72		
Tata				
Trombay 5	9.23	208.03	470	268
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.59	62.51	108	107
Trombay 7B	1.55	37.84	65	64
TATA Hydro	5.25	122.28	360	50
Trombay 8	4.78	109.72	227	131
Total	23.39	540.39		
AEML				
DTPS U-1&2	11.83	240.22	501	462
Total	11.83	240.22		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	183.26	4319.51	MSPGCL Total	211.75	4818.54
			MSPGCL Thml+Gas	190.93	4503.98	Koyna 1,2 & 4 Total	13.92	172.81
			MSPGCL Hydro	20.82	314.56	State Total	431.09	10244.88

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 25/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	7843	1356	291	9490	486	7098	0	0	7115	7196	-1439	22404	0	0	22404	3076	427	25907	50.03
2	7813	1241	291	9345	490	7103	0	0	7188	6949	-1354	22134	0	0	22134	2841	399	25374	50.01
3	7743	968	291	9002	515	7079	0	0	7183	6985	-1339	21867	0	0	21867	2654	375	24896	49.99
4	7764	827	293	8884	532	7082	0	0	7249	6734	-1391	21487	0	0	21487	2518	354	24359	50.02
5	7805	689	293	8787	702	7082	0	0	7219	6982	-1350	21827	0	0	21827	2451	376	24654	50.00
6	7787	848	294	8929	719	7035	0	0	7329	6988	-1284	21975	0	0	21975	2486	412	24873	50.01
7	7634	990	293	8917	639	6896	0	93	7720	7214	-1245	22075	0	0	22075	2529	439	25043	50.00
8	7133	1015	292	8440	494	5892	0	466	8280	7994	-1498	21329	0	0	21329	2667	460	24455	49.97
9	6701	1100	288	8089	541	5434	0	1059	8582	8398	-1802	21225	0	0	21225	2977	494	24696	49.94
10	7498	333	290	8121	475	5849	0	1628	9184	8539	-2100	22020	0	0	22020	3300	492	25812	50.01
11	7515	153	278	7946	308	5882	0	2175	9665	8963	-2015	22754	0	7	22754	3564	505	26823	50.03
12	7460	150	276	7886	215	5772	0	2278	9778	9151	-2060	22725	0	9	22725	3664	517	26906	50.02
13	7219	148	275	7642	150	5486	0	2323	9895	9393	-2042	22454	0	6	22454	3645	498	26597	50.06
14	6979	159	272	7410	114	5466	0	2167	9679	9308	-1934	22058	0	9	22058	3519	473	26050	50.06
15	7562	398	281	8241	135	5784	0	1843	9627	9592	-1915	23189	0	12	23189	3575	491	27255	49.95
16	7860	383	274	8517	170	6725	0	1423	9495	9300	-1988	23650	0	50	23650	3628	497	27775	49.92
17	7882	788	278	8948	223	6941	0	827	9118	9132	-1974	23600	0	34	23600	3590	497	27687	50.00
18	7818	1242	282	9342	273	6962	0	314	8465	8190	-1976	22588	0	7	22588	3480	517	26585	50.00
19	7678	1176	280	9134	403	6971	0	51	7984	8066	-1895	22194	0	0	22194	3290	536	26020	50.02
20	7650	1746	352	9748	392	7067	0	0	7848	7922	-1677	22952	0	0	22952	3249	500	26701	49.98
21	7873	1426	471	9770	481	7085	0	0	7391	7326	-1509	22667	0	0	22667	3169	486	26322	50.01
22	8019	1165	477	9661	606	6650	0	0	7062	6914	-1367	21990	0	0	21990	3092	474	25556	49.99
23	8016	1209	480	9705	619	6863	0	0	7104	7020	-1393	22351	0	0	22351	3105	463	25919	49.99
24	8008	1307	482	9797	721	6862	0	0	7225	7232	-1438	22740	0	0	22740	3137	434	26311	49.94
MUs	183.26	20.82	7.67	211.75	10.40	157.07	0.00	16.65	197.38	191.49	-39.99	536.26	0.00	0.13	536.26	75.21	11.12	622.58	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.

*Load Shedding due to Transmission Constraint :-

1) ELR carried out due to overload of 132KV BBLSR-Rahuri and MIDC-Sonewadi line.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 25/Apr/2024

Position as on 6.30 Hrs of 26/Apr/2024

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
FORCED OUTAGE								
MSPGCL								
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	31/08/2024
MSPGCL	Parli Unit 8	250	23/04/2024	04:10	26/04/2024	04:43	Boiler Tube Leakage	26/04/2024
MSPGCL	Khaparkheda Unit 4	210	24/04/2024	08:00	25/04/2024	08:07	Boiler Tube Leakage	26/04/2024
MSPGCL	Chandrapur Unit 3	210	25/04/2024	01:57		Continued.	Boiler Tube Leakage	28/04/2024
MSPGCL	Nasik Unit 5	210	25/04/2024	18:34	25/04/2024	20:23	Boiler Tube Leakage	
Total Capacity MSPGCL		1000						
IPP								
IPP	IEPL Unit 1	270	25/04/2024	20:40	26/04/2024	01:19	Control Fluid pressure (CFP) HPSU Emergency off	
Total Capacity IPP		270						
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		1590						
UNIT UNDER ZERO SCHEDULE / RSD								
MSPGCL								
MSPGCL	Uran Unit 5	108	24/04/2024	04:16	25/04/2024	19:12	Zero Schedule Given By MSEDCL	
MSPGCL	Uran Unit 6	108	24/04/2024	19:52	25/04/2024	19:00	No Schedule given by discom and no requirement for MMR	
MSPGCL	Uran Unit 6	108	26/04/2024	01:59		Continued.	No schedule from MSEDCL In Open cycle	
MSPGCL	Uran Unit 5	108	26/04/2024	02:13		Continued.	No schedule from MSEDCL In Open cycle	
Total Capacity MSPGCL		432						
Total Capacity UNIT UNDER ZERO SCHEDULE / RSD		432						
FORCED OUTAGE DUE TO NO PPA								
IPP								
IPP	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule (NO PPA)	
IPP	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)	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 25/Apr/2024

Position as on 6.30 Hrs of 26/Apr/2024

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
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		988						

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

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Apr/2024

Statement-VII

Position as on 6.30 Hrs of 26/Apr/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV MAINBAY Outages/Trippings							
SPARE LINE-2 BAY (404) @ TAPTITANDA	IntraState	25/04/2024	11:20	25/04/2024	21:34	PO	To replace the 400 kV Line CT, EI permission has been received.
400 KV LINE Outages/Trippings							
LONIKAND I - TALEGAON (PGCIL)	InterState	25/04/2024	01:32	25/04/2024	08:50	HT	Emergency outage availed for Rph. CVT replacement work at PG end.
AKOLA - WARDHA(PG) CKT - 1	InterState	25/04/2024	20:10	25/04/2024	21:33	T	AT A E= B PH, Z1, D=63.8KM, IF=5.48KA
BUS REACTOR (50MVAR) @ PARLI	IntraState	27/09/2023	15:30			PO	Replacement of old 50 MVar bus reactor by new 125 MVar bus reactor.
CHANDRAPUR 2 - WARORA CKT-2	IntraState	22/04/2024	17:27			T	Tripped on distance protection.
CHANDRAPUR 2 - WARORA CKT-1	IntraState	22/04/2024	17:27			T	Tripped on distance protection.
220 KV DEEPNAGAR (400 KV) - CHALISGAON CKT	IntraState	25/04/2024	08:12	25/04/2024	15:12	HT	Attending hot spot / loose nut bolts by tightening of jumper nutbolts of r-y-b phase at various locations
DEEPNAGAR - THAPTI TANDA	IntraState	25/04/2024	09:14	25/04/2024	19:26	PO	Replacement of faulty disc insulators by LRP strings
NEW KOYNA - DABHOL CKT - 2	IntraState	25/04/2024	09:31			T	Distance protection , Yph to ground fault
TIRORA - WARORA CKT - 2	IntraState	25/04/2024	16:43			HT	hand tripped 400 KV Tirora-Warora Line- 2 due to heavy oil leakage from metering CT of R-Phase.
LONIKAND - JEJURI CKT - 2	IntraState	25/04/2024	18:36	25/04/2024	23:10	PO	For auto reclose trials to ensure healthiness of AR.
AKOLA - KHADKA (BHUSAWAL)	IntraState	25/04/2024	20:48	26/04/2024	01:48	T	AT AK E= L-L FAULT, IR=20 KA, IY=20 KA, Z1, D=1.9KM K.END- - Z2 RY 168.0 KM ,3.0 KA 3.0 KA DT RECEIVE *
DEEPNAGAR - AURANGABAD (WALUJ)	IntraState	25/04/2024	22:57	26/04/2024	03:15	T	W END--R PH Z1 LOC-2.84 KM IA-18.255 KA D.END R PH Z1 193 KM 1.71 KA.
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.
400/220 KV 315MVA ICT - 1 @ KARAD	IntraState	24/04/2024	17:38	25/04/2024	00:04	PO	Replacement of MOG & Buchholz relay of all 3 units. Diagnostic testing work.
400/220/33 KV 500 MVA ICT - 3 @ WALUJ	IntraState	25/04/2024	21:42	26/04/2024	00:48	T	Tripped on NDR
220 KV TIEBAY Outages/Trippings							
220 KV PT I	IntraState	25/04/2024	08:48			HT	Replacement of pts under les scheme.
220 KV TBC Outages/Trippings							
220KV PT -I	IntraState	25/04/2024	11:00	25/04/2024	12:20	HT	Dignostic testing work & allied maint.work.
220KV PT-II	IntraState	25/04/2024	12:25	25/04/2024	12:50	HT	Dignostic testing work & allied maint.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							
KHARGHAR - ULWE GIS CKT-1	IntraState	19/04/2024	15:22			T	Wavetrap uncoiled at Kharghar end

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Apr/2024

Statement-VII

Position as on 6.30 Hrs of 26/Apr/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
KARAD -MUDSHINGI CKT 2-TAK	IntraState	22/04/2024	15:03			PO	1.Distance Relay Retrofitting Work 2.TC2 Configuration 3.NIT Replacement Work 4.DC Separation & Panel rewiring Work at Karad End
TROMBAY MSETCL TIE - 2	IntraState	24/04/2024	23:25	25/04/2024	06:34	PO	220KV Tie line-2 TATA end LA testing
KALWA SALSETTE - 4	IntraState	24/04/2024	23:41	25/04/2024	03:14	PO	Protection testing and trial operation
BOISAR II - BOISAR (PG) CKT - 1	IntraState	25/04/2024	04:47	25/04/2024	09:50	PO	Work of replacement of existing 0.4 ACSR Zebra Conductor and all its Hardware by equivalent CCC HTLS Conductor and suitable Hardware for 220kv Boisar - PGCIL (Dead Line). Outage required of 220kv PGCIL - Boisar Line No. 1 for safety purpose only.
TBC @ KHARGHAR	IntraState	25/04/2024	09:36	25/04/2024	13:18	PO	For Routine maintenance and Diagnostic Testing
EKLAHARE (OCR) - PADGHE	IntraState	25/04/2024	10:00	25/04/2024	21:58	HT	HT for load management
PARAS-BALAPUR I	IntraState	25/04/2024	10:18	25/04/2024	16:28	HT	Bus, auxiliary and line isolator overhauling work and tan delta of ct & crm timing of cb of 220 kv paras- balapur i bay at 220 kv paras ss.
APTA - TAMBATI	IntraState	25/04/2024	16:10	26/04/2024	00:51	PO	Replacement of faulty Distance Relay
BARAMATI - KURKUMBH	IntraState	25/04/2024	16:45	25/04/2024	18:52	PO	Location No.50, R-Phase flashover Insulator string Replacement Work.
EKLAHARE (GCR) - GHATGHAR	IntraState	26/04/2024	04:28	26/04/2024	04:59	T	Tripped on distance protection from Ghatghar end only.
BOISAR II - BOISAR (PG) CKT - 1	IntraState	26/04/2024	04:28	26/04/2024	08:28	PO	Work of replacement of existing 0.4 ACSR Zebra Conductor and all its Hardware by equivalent CCC HTLS Conductor and suitable Hardware for 220kv Boisar - PGCIL (Dead Line). Outage required of 220kv PGCIL - Boisar Line No. 1 for safety purpose only.
DASTURI-KANDALGAON LINE	IntraState	26/04/2024	05:58			PO	Loc No.178,179,180 Emergency tree cutting
220 KV ICT Outages/Trippings							
220/33KV 25MVA PTR 2 @ NEW KOYNA	IntraState	25/04/2024	08:44			PO	Replacement of Diaphragm (oil leakage found) of OLTC ,Radiator valve repairing work,33 KV Neutral bushing gasket replacement ,Oil filtration etc
220/132KV 100MVA ICT-2 @ WALCHANDNAGAR	IntraState	25/04/2024	11:50	25/04/2024	12:20	PO	Augmentation of existing 100 MVA ICT with 200 MVA
220/132KV 100MVA ICT 3 @ PANDHARPUR	IntraState	25/04/2024	11:54	25/04/2024	15:32	PO	Outage is required for HV BACKUP RELAY RETROFITTING WORK
220/132KV 200MVA ICT 2 @ PANDHARPUR	IntraState	25/04/2024	11:54	25/04/2024	18:38	PO	Outage is required for HV BREAKER TNC SWITCH REPLACEMENT AND TESTING WORK
220/33 KV 50 MVA PTR 1	IntraState	25/04/2024	23:30	26/04/2024	02:28	T	Diff tripped lv side r ph la burst.
110 KV LINE Outages/Trippings							
SALSETTE POWAI	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