

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 23/Feb/2024 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	178.512	3789.764	1) Gujrat	4.209	-10.850
2) Hydro	7.168	173.903	2) Madhya Pradesh	9.498	133.352
3) Gas	7.108	155.924	3) Chattisgarh	2.480	86.140
Total MSPGCL	192.788	4119.591	4) Maharashtra	153.702	3997.324
B) 1) APLM	61.830	1490.073	5) Goa (Amona)	-1.901	-40.615
2) JSWEL	27.812	569.794	Total	167.988	4165.351
3) VIPL	0.000	0.000	a) Mumbai Schedule	25.210	667.909
4) RPL(AMT)	31.624	723.704	b) Mumbai Drawl	29.249	761.736
5) SWPGPL	12.371	283.550	c) MSEDCL Bilateral *	88.029	1923.059
6) Other IPP	48.184	1103.152	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	25.210	667.907
C) 1) TPCL Thermal	11.961	206.496	Include PX	0.000	0.000
2) TPCL Hydro	3.907	76.181	Standby	0.000	0.003
3) TPCL Gas	3.717	77.572	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.362	224.249	1) MSEDCL	529.441	12029.763
D) STATE			2) Mumbai Discoms	59.196	1346.126
1) Thermal	382.656	8390.782	3) Other Discoms	10.725	241.327
(A1+C1+C4+(B1-B6))			TOTAL STATE	599.362	13617.216
2) Hydro	11.075	250.084			
(A2+C2)					
3) Gas	10.825	233.496			
(A3+B7+C3)					
4) Wind	8.737	209.772			
6) SOLAR	18.081	367.839			
TOTAL STATE	431.374	9451.973			

* 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 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 1 Hrs
MSPGCL Thermal	6931	7154	8082	7278
MSPGCL Hydro	394	268	891	178
MSPGCL Gas	289	283	292	303
MSPGCL Total Generation	7614	7705	9265	7759
Central Sector Receipt	8786	8146	6336	5846
WIND	243	134	103	755
CPP / IPP Thermal	7349	7326	8229	7330
CPP / IPP Gas	0	0	0	0
SOLAR	2198	2487	0	0
Exchange with Mumbai	-1445	-1871	-1011	-1054
MSEDCL DEMAND MET	24267	23457	22437	20226
Load Shedding	0	0	0	0
MSEDCL DEMAND	24267	23457	22437	20226
TPCL GENERATION	1082	645	1218	618
AEML GENERATION	486	494	493	407
MUMBAI DEMAND	3013	3010	2722	2079
OTHER DISCOM DEMAND	478	470	485	410
STATE DEMAND MET	27758	26937	25644	22715
STATE DEMAND	27758	26937	25644	22715
Frequency (Hz)	49.94	49.97	49.95	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.22 Hz at 18:02 Hrs	49.77 Hz at 06:26 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 23/Feb/2024

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.38	100.98	195	155
Unit 8	15.22	335.77	660	583
Unit 9	13.48	304.75	603	513
Unit 10	13.88	311.57	628	530
Total	46.96	1053.06		
Bhusawal				
Unit 3	3.42	80.11	180	120
Unit 4	10.30	155.36	500	295
Unit 5	10.48	206.16	500	300
Total	24.20	441.64		
Parli				
Unit 6	3.79	95.38	250	125
Unit 7	3.99	94.06	241	147
Unit 8	3.10	94.55	240	0
Total	10.88	283.99		
Chandrapur				
Unit 3	3.25	75.98	155	125
Unit 4	3.43	70.00	171	121
Unit 5	8.38	193.28	435	275
Unit 6	8.04	69.68	435	280
Unit 7	8.29	170.36	431	272
Unit 8	9.85	218.72	427	325
Unit 9	11.21	249.08	499	306
Total	52.45	1047.10		
Paras				
Unit 3	5.68	127.20	242	229
Unit 4	6.00	131.40	257	207
Total	11.68	258.60		
Khaparkheda				
Unit 1	4.14	88.94	185	145
Unit 2	4.21	40.36	193	161
Unit 3	4.13	87.37	176	162
Unit 4	4.27	84.22	193	131
Unit 5	11.80	253.22	500	470
Total	28.55	554.10		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	3.79	82.90	172	131
Unit 5	0.00	68.39	0	0
Total	3.79	151.28		
Uran				
All Units	7.11	155.92	308	283
Total	7.11	155.92		
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)	0.24	1.89	46	0
Total	0.24	1.89		
Koyna				
Stage 1-2	1.72	39.80	255	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.26	16.53	232	0
Stage 3	0.40	13.14	160	0
Total	2.38	69.47		
Hydro				
KDPH	0.86	19.87	36	36
VTRNA	0.17	4.03	61	0
TILLARI	0.48	5.62	63	0
BHIRA T.R.	0.00	0.00	0	0
SMLHY_PTN	2.25	61.01	101	85
GHATGHAR	0.79	12.01	225	0
Total	4.55	102.54		
Wind				
Total	8.74	209.77	0	0
Total	8.74	209.77		
CPP				
APML(Mus)	61.83	1490.07	0	0
JSWEL(Mus)	27.81	569.79	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	31.62	723.70	0	0
SWPGPL-Mus	12.37	283.55	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.67	127.40	272	195
Other(Mus)	39.75	916.45	0	0
JPL	2.77	59.30	134	109
Total	181.82	4170.27		
SOLAR				
Total	18.08	367.84	0	0
Total	18.08	367.84		
Tata				
Trombay 5	7.91	183.48	446	261
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.28	46.87	107	39
Trombay 7B	1.43	30.71	65	36
TATA Hydro	3.91	76.18	409	18
Trombay 8	4.05	23.02	223	132
Total	19.58	360.25		
AEML				
DTPS U-1&2	10.36	224.25	496	310
Total	10.36	224.25		

* Infirm Power		
Particulars	Daily (Mus)	Monthly

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	178.51	3789.76
MSPGCL Thml+Gas	185.62	3945.69
MSPGCL Hydro	7.17	173.90

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	192.79	4119.59
Koyna 1,2 & 4 Total	1.99	56.33
State Total	431.37	9451.97

State Load Despatch Center, Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 23/Feb/2024

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 mission Constraint					
1	7278	178	303	7759	755	7330	0	0	6409	5846	-1054	20226	0	0	20226	2079	410	22715	50.01
2	7279	182	305	7766	693	7347	0	0	6194	6092	-1007	20512	0	0	20512	1936	379	22827	50.00
3	7112	177	306	7595	714	7317	0	0	6257	6255	-926	20593	0	0	20593	1828	362	22783	49.99
4	7206	177	306	7689	762	7316	0	0	6225	6126	-866	20672	0	0	20672	1766	355	22793	49.97
5	7477	178	308	7963	786	7390	0	0	6281	6387	-891	21266	0	0	21266	1770	369	23405	49.96
6	7928	182	308	8418	718	7636	0	0	6352	6590	-920	22049	0	0	22049	1894	393	24336	49.97
7	7998	250	305	8553	704	8217	0	3	6278	6487	-788	22763	0	0	22763	2084	413	25260	49.94
8	7903	492	305	8700	659	8357	0	297	6234	6580	-666	23489	0	0	23489	2297	438	26224	49.97
9	7879	345	302	8526	482	8140	0	1025	7186	6980	-1077	23608	0	21	23608	2582	468	26658	50.05
10	7203	634	300	8137	373	7598	0	1715	8097	8272	-1353	24264	0	22	24264	2842	478	27584	49.98
11	6931	394	289	7614	243	7349	0	2198	8733	8786	-1445	24267	0	31	24267	3013	478	27758	49.94
12	7129	304	291	7724	147	7369	0	2386	8722	8750	-1830	24067	0	34	24067	3043	479	27589	49.91
13	7154	268	283	7705	134	7326	0	2487	8305	8146	-1871	23457	0	30	23457	3010	470	26937	49.97
14	6800	183	284	7267	155	7010	0	2403	8303	8084	-1705	22754	0	18	22754	2852	460	26066	50.01
15	6688	253	284	7225	187	7144	0	2171	8072	8178	-1682	22757	0	11	22757	2882	466	26105	50.01
16	7051	224	285	7560	195	7302	0	1794	8206	7843	-1666	22543	0	9	22543	2901	485	25929	49.97
17	7177	175	285	7637	157	7398	0	1182	7871	7635	-1445	22072	0	8	22072	2869	492	25433	49.98
18	7821	207	289	8317	186	7795	0	413	7109	6679	-1289	21601	0	1	21601	2789	500	24890	50.05
19	7821	605	289	8715	136	7783	0	7	6663	6601	-1154	21589	0	0	21589	2738	499	24826	49.96
20	8082	891	292	9265	103	8229	0	0	6442	6336	-1011	22437	0	0	22437	2722	485	25644	49.95
21	7716	315	296	8327	83	8005	0	0	6402	6377	-1066	21244	0	0	21244	2563	482	24289	50.01
22	7630	214	295	8139	125	7474	0	0	6386	6394	-1170	20493	0	0	20493	2394	469	23356	49.99
23	7577	172	298	8047	122	7430	0	0	6452	6485	-1193	20435	0	0	20435	2234	456	23125	49.99
24	7672	167	300	8139	118	7559	0	0	6470	6080	-1174	20283	0	0	20283	2108	439	22830	50.01
MUs	178.51	7.17	7.11	192.79	8.74	181.82	0.00	18.08	169.65	167.99	-29.25	529.44	0.00	0.18	529.44	59.20	10.73	599.36	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.

*Load Shedding due to Transmission Constraint :-

- 1) ELR Carried out due to 50MVA 220/33kV TF 1 & 2 are overload Kopergoan S/S.
- 2) ELR carried out due to 132kV BBLR-Rahuri line overload.
- 3) 132kV Sangmner-BBLR line overload.

State Load Despatch Center, Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 23/Feb/2024

Position as on 6.30 Hrs of 24/Feb/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.	28/03/2024
MSPGCL	Koyana Unit 11	80	10/07/2023	09:40		Continued.	Capital Overhaul	29/02/2024
MSPGCL	Nasik Unit 3	210	18/01/2024	16:56		Continued.	Tolling (Converted to Planned outage on dt 02.02.2024 for boiler & allied work.)	13/03/2024
Total Capacity MSPGCL		398						
CENT.SECTOR								
CENT.SECTOR	Tarapur 3	540	11/01/2024	21:45		Continued.	Annual Overhaul	29/02/2024
Total Capacity CENT.SECTOR		540						
Total Capacity PLANNED OUTAGE		938						
FORCED OUTAGE								
MSPGCL								
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	31/08/2024
MSPGCL	Uran Unit 6	108	16/01/2024	20:29		Continued.	For open cycle No schedule from MSEDCL.	
MSPGCL	Nasik Unit 5	210	21/02/2024	16:38		Continued.	High DM water consumption.	23/02/2024
MSPGCL	Parli Unit 8	250	23/02/2024	06:18	23/02/2024	10:55	Auxillary unit transformer board fail	23/02/2024
Total Capacity MSPGCL		688						
IPP								
IPP	JPL Unit 1	150	13/01/2024	01:00		Continued.	Due to low net sale realisation. (while rolling at 21.00hrs. dtd. 31/01/2024 tripped on high vibration during rolling)	25/02/2024
Total Capacity IPP		150						
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.	01/04/2024
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.	01/05/2024
Total Capacity CENT.SECTOR		320						
Total Capacity FORCED OUTAGE		1158						
FORCED OUTAGE DUE TO NO PPA								
IPP								
IPP	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule (NO PPA)	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 23/Feb/2024

Position as on 6.30 Hrs of 24/Feb/2024

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

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Feb/2024

Statement-VII

Position as on 6.30 Hrs of 24/Feb/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							
MAIN BAY - 418 OF IEPL @ KORADI-2	IntraState	29/09/2023	10:42			PO	1)Diagnostic testing of Circuit breaker 418-Q52. 2) Routine Maintenance work of Bay 418.
400 KV LINE Outages/Trippings							
DHULE - SSNNL CKT - 1	InterState	15/02/2024	09:24			PO	Major Maintenance of GIS
KORADI - SATPUR	InterState	22/02/2024	11:13	23/02/2024	22:38	PO	For Dismantling, Overhauling and Restoration of Isolators Sissor Contact, Gear Box, Fixed Contact and MOM Box of Transfer Bus, Keeping Sarni Line Out of Service.
BUS REACTOR (50MVAR) @ PARLI	IntraState	27/09/2023	15:30			PO	Replacement of old 50 MVA bus reactor by new 125 MVA bus reactor.
PADGHE - KALWA CKT - 1	IntraState	11/02/2024	00:35			PO	For tapping of 400kV Kalwa-Padgha-1 line (Loc no. 1113) with 400kV Kalwa-Kharghar line Loc no. 167 (Tapping work will be finished by 11.06.2024 @ 06:00 Hrs) using ERS thereby forming temporary 400kV Kalwa-Kharghar -Padgha Tap line and carrying out replacement of existing conductor the HTLS conductor of 400kV Kalwa-Padgha-1 line 1148 (Airoli) to 1114 (Shilphata)
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	14/02/2024	06:42			HT	H/T for controlling loading of 400kV Talegaon-Chakan
220 KV DEEPNAGAR (400 KV) - KHADKA CKT	IntraState	23/02/2024	10:27	23/02/2024	17:50	PO	Replacement of R-ph CT due to oil leakage
220 KV KHAPARKHEDA (400KV) - AMBAZARI CKT	IntraState	23/02/2024	12:25	23/02/2024	15:03	EO	Attending hotspot from B ph CT isolator jumper
CHANDRAPUR 2 - KUMBHARGAON(NANDED) CKT - 2	IntraState	23/02/2024	13:00	23/02/2024	20:49	PO	For replacement of polymer insulator string with long rod porcelain insulator string at loc. No. 72 & 75
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.
105 MVA SPARE ICT @ AKOLA	IntraState	04/02/2024	09:21			EO	for removal of 401 52 circuit breaker of spare ICT for replacement of 40952 B phase CB of Tie Bay 409
400/220KV 500 MVA ICT - 1 @ VIKHROLI GIS	IntraState	10/02/2024	15:19			HT	H/T For LV side only
400/220KV 500 MVA ICT - 3 @ VIKHROLI GIS	IntraState	10/02/2024	17:40			HT	H/T For LV only.
400/220KV 500 MVA ICT - 2 @ VIKHROLI GIS	IntraState	10/02/2024	18:31			HT	H/T For LV only.
400/220/33 KV 167 MVA SPARE ICT @ KHAPARKHEDA	IntraState	12/02/2024	10:28			PO	Erection of CS Type Gantry Beam Structure for RRS Scheme of ICTs
400/11.5KV STATION TRANSFORMER - 5 @ TIRORA	IntraState	20/02/2024	11:46			PO	Annual Maintenance & Testing Transformer. Annual maintenance of main bay and tie bay equipments.
400 KV BR Outages/Trippings							
400KV 125MVAR BUS REACTOR @ KARAD	IntraState	06/01/2024	11:55			PO	Existing 125 MVAR Reactor CB Have mechanical problem and need to replace
220 KV TBC Outages/Trippings							

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Feb/2024

Statement-VII

Position as on 6.30 Hrs of 24/Feb/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220 KV TBC	IntraState	23/02/2024	09:15	23/02/2024	13:11	PO	Diagnostic testing work viz. Tan delta of CT, CRM & Timing of CB and Routine maintenance work.
220 KV LINE Outages/Trippings							
EKLAHARE (OCR) - NAVASARI CKT - 1	IntraState	01/02/2024	10:07			PO	Outage required for PLCC, CVT & WT Foundation, Erection work at 220kV Navsari SS.
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.
WARDHA-YEOTMAL	IntraState	23/02/2024	06:24	23/02/2024	18:29	PO	Work of Increasing the ground clearance by De-stringing & Restringing of the Conductor in Span Loc 94-108
POPHLI PEDHMBE LINE- 2	IntraState	23/02/2024	08:55	23/02/2024	17:50	PO	Back up relay Commissioning work
NAGOTHANE - MSL	IntraState	23/02/2024	09:21	23/02/2024	19:48	PO	CT Replacement and other maintenance work at MSL end.
BHIGWAN - WALCHAND NAGAR	IntraState	23/02/2024	09:35	24/02/2024	01:39	PO	For main bus isolator blade replacement work
SIEMENS - RELIANCE GIS	IntraState	23/02/2024	10:01	23/02/2024	15:27	PO	1)To attend the leakage of building roof and gutter issue at 220kV Siemens Substation end. 2) Replacement of 220kV GIS bushing clamps at 220kV Reliance GIS substation End.
WADA - BHAVEGHAR	IntraState	23/02/2024	11:15	24/02/2024	05:46	PO	For making cut point formation at proposed Loc.no.86A-01 (LILO tower) on 220kV Wada - Bhaveghar Line & for installation/Retrofitting of 87L relay at end s/sn i.e 220kV Wada in r/o LILO on 220kV Wada -Bhaveghar line for proposed new 220kV INOX Substation at village Nichole ,Taluka -Wada -Palghar under ORC Scheme under EHV Project Dn, Kalyan.
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.
220/100 KV 200 MVA ICT 4 @ PADGHE	IntraState	20/02/2024	11:05			PO	1. Oil filtration Work 2. IED Commissioning & Installation work
220/132KV 100MVA ICT 3 @ PANDHARPUR	IntraState	21/02/2024	10:23			PO	AUGUMENTATION OF ICT 3 FROM 100MVA ICT TO NEW 200MVA ICT
PT-2 @ KHADKI	IntraState	23/02/2024	11:10	23/02/2024	13:35	PO	Half yearly maint. & Diagnostic testing work.
220 KV BUSBAR Outages/Trippings							
220KV BUS 1 @ TARAPUR-220 KV	InterState	23/02/2024	11:41			PO	Preventive Maintenance checks & SF6 gas leak rectification job
220KV BUS 2 @ TARAPUR-220 KV	InterState	23/02/2024	11:41			PO	Preventive Maintenance checks & SF6 gas leak rectification job
110 KV LINE Outages/Trippings							
SALSETTE POWAI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.
KALYAN KALWA SALSETTE 1	IntraState	06/02/2024	19:55			PO	PROJECT WORK-Conductor replacement
TROMBAY CARNAC 1 / 3	IntraState	17/02/2024	10:35			PO	Project work for replacement of cable section
TROMBAY PAREL 3 / CARNAC 2	IntraState	17/02/2024	10:35			PO	Project work for replacement of cable section

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