

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 06/Dec/2023 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	151.696	852.930	1) Gujrat	5.766	38.312
2) Hydro	7.077	33.166	2) Madhya Pradesh	8.438	48.914
3) Gas	7.023	41.885	3) Chattisgarh	6.330	34.210
Total MSPGCL	165.796	927.981	4) Maharashtra	174.985	989.861
B) 1) APLM	22.393	122.954	5) Goa (Amona)	-1.513	-8.672
2) JSWEL	20.326	131.448	Total	194.006	1102.625
3) VIPL	0.000	0.000	a) Mumbai Schedule	36.302	208.831
4) RPL(AMT)	25.091	146.757	b) Mumbai Drawl	38.505	231.629
5) SWPGPL	9.513	59.434	c) MSEDCL Bilateral *	75.576	395.561
6) Other IPP	39.036	211.042	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	36.302	208.831
C) 1) TPCL Thermal	12.825	67.495	Include PX	0.000	0.000
2) TPCL Hydro	2.978	16.716	Standby	0.000	0.000
3) TPCL Gas	2.052	12.509	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.758	45.553	1) MSEDCL	444.856	2538.200
D) STATE			2) Mumbai Discoms	65.118	373.902
1) Thermal	289.638	1637.613	3) Other Discoms	10.064	60.717
(A1+C1+C4+(B1-B6))			TOTAL STATE	520.038	2972.819
2) Hydro	10.055	49.882			
(A2+C2)					
3) Gas	9.075	54.394			
(A3+B7+C3)					
4) Wind	9.510	65.288			
6) SOLAR	7.754	63.017			
TOTAL STATE	326.032	1870.194			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	6460	6319	6838	5752
MSPGCL Hydro	664	285	275	168
MSPGCL Gas	294	284	290	297
MSPGCL Total Generation	7418	6888	7403	6217
Central Sector Receipt	9427	8879	9088	6510
WIND	382	149	387	646
CPP / IPP Thermal	5456	4555	5392	4519
CPP / IPP Gas	0	0	0	0
SOLAR	858	1217	0	0
Exchange with Mumbai	-1834	-1935	-1484	-1291
MSEDCL DEMAND MET	21265	19298	20325	16279
Load Shedding	0	0	0	0
MSEDCL DEMAND	21265	19298	20325	16279
TPCL GENERATION	781	819	1171	518
AEML GENERATION	350	462	483	303
MUMBAI DEMAND	2965	3216	3138	2112
OTHER DISCOM DEMAND	442	455	461	322
STATE DEMAND MET	24672	22969	23924	18713
STATE DEMAND	24672	22969	23924	18713
Frequency (Hz)	49.97	49.95	49.98	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.27 Hz at 00:01 Hrs	49.65 Hz at 07:13 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 06/Dec/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.04	22.27	180	150
Unit 8	14.71	79.42	625	575
Unit 9	14.44	77.23	622	555
Unit 10	14.21	76.48	605	570
Total	47.40	255.40		
Bhusawal				
Unit 3	1.53	9.36	130	0
Unit 4	9.34	47.77	480	290
Unit 5	6.88	47.30	475	0
Total	17.75	104.42		
Parli				
Unit 6	0.00	1.90	0	0
Unit 7	0.00	1.92	0	0
Unit 8	0.00	6.15	0	0
Total	0.00	9.97		
Chandrapur				
Unit 3	0.00	15.22	0	0
Unit 4	3.44	19.45	157	126
Unit 5	8.75	49.08	420	290
Unit 6	7.35	28.65	340	271
Unit 7	6.99	41.36	333	258
Unit 8	11.23	56.78	490	355
Unit 9	10.96	57.33	480	349
Total	48.72	267.88		
Paras				
Unit 3	5.41	31.47	239	214
Unit 4	5.65	33.22	250	214
Total	11.06	64.70		
Khaparkheda				
Unit 1	0.00	14.58	0	0
Unit 2	2.88	13.90	126	107
Unit 3	3.76	21.29	170	134
Unit 4	4.20	23.33	191	129
Unit 5	11.42	63.31	480	475
Total	22.26	136.40		
Nasik				
Unit 3	3.45	13.09	160	129
Unit 4	0.00	0.00	0	0
Unit 5	1.07	1.07	154	0
Total	4.51	14.16		
Uran				
All Units	7.02	41.88	303	283
Total	7.02	41.88		
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)	0.04	0.88	23	0
Total	0.04	0.88		
Koyna				
Stage 1-2	2.20	8.62	380	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.24	0.24	138	0
Stage 3	0.58	2.27	160	0
Total	3.02	11.14		
Hydro				
KDPH	0.43	3.19	18	18
VTRNA	0.00	0.00	0	0
TILLARI	0.00	0.00	0	0
BHIRA T.R.	0.00	0.00	0	0
SMLHY_PTN	2.56	15.23	111	100
GHATGHAR	1.02	2.72	125	0
Total	4.01	21.14		
Wind				
Total	9.51	65.29	0	0
Total	9.51	65.29		
CPP				
APML(Mus)	22.39	122.95	0	0
JSWEL(Mus)	20.33	131.45	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.09	146.76	0	0
SWPGPL-Mus	9.51	59.43	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.05	27.60	260	158
Other(Mus)	33.98	183.44	0	0
JPL	0.00	0.00	0	0
Total	116.36	671.64		
SOLAR				
Total	7.75	63.02	0	0
Total	7.75	63.02		
Tata				
Trombay 5	8.28	43.92	449	260
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.12	6.85	108	39
Trombay 7B	0.93	5.66	64	35
TATA Hydro	2.98	16.72	344	35
Trombay 8	4.55	23.58	230	132
Total	17.86	96.72		
AEML				
DTPS U-1&2	8.76	45.55	493	291
Total	8.76	45.55		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	151.70	852.93	MSPGCL Total	165.80	927.98
			MSPGCL Thml+Gas	158.72	894.82	Koyna 1,2 & 4 Total	2.44	8.87
			MSPGCL Hydro	7.08	33.17	State Total	326.03	1870.19

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 06/Dec/2023

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	5860	167	296	6323	593	4520	0	0	6638	6890	-1562	16376	0	0	16376	2407	388	19171	49.98
2	5792	167	297	6256	662	4534	0	0	6452	6630	-1404	16327	0	0	16327	2242	350	18920	49.99
3	5752	168	297	6217	646	4519	0	0	6319	6510	-1291	16279	0	0	16279	2112	322	18713	49.95
4	6005	179	298	6482	583	4540	0	0	6202	6518	-1236	16556	0	0	16556	2037	331	18924	49.98
5	6198	257	297	6752	532	4587	0	0	6312	6788	-1203	17094	0	0	17094	2015	362	19471	49.97
6	6139	589	299	7027	507	4848	0	0	6866	7367	-1255	18110	0	0	18110	2087	384	20581	49.95
7	6181	253	302	6736	624	5411	0	3	8232	8362	-1347	19389	0	0	19389	2191	400	21980	49.92
8	6200	506	300	7006	514	5539	0	138	8530	8990	-1427	20331	0	0	20331	2371	429	23131	49.93
9	6343	814	303	7460	436	5616	0	449	8339	9279	-1687	21093	0	120	21093	2677	460	24230	49.99
10	6460	664	294	7418	382	5456	0	858	8517	9427	-1834	21265	0	171	21265	2965	442	24672	49.97
11	6532	358	290	7180	258	5159	0	1134	9358	9517	-1830	20970	0	171	20970	3164	448	24582	50.02
12	6564	291	286	7141	210	4741	0	1205	9378	9111	-1925	20034	0	171	20034	3226	449	23709	50.00
13	6319	285	284	6888	149	4555	0	1217	8720	8879	-1935	19298	0	160	19298	3216	455	22969	49.95
14	6287	168	284	6739	111	4522	0	1017	8485	8596	-2006	18534	0	3	18534	3090	445	22069	50.01
15	6627	271	283	7181	92	4601	0	834	8379	8296	-1946	18605	0	106	18605	3127	453	22185	49.98
16	6292	199	283	6774	101	4507	0	582	8546	8816	-1796	18539	0	106	18539	3149	445	22133	49.98
17	6598	260	285	7143	112	4734	0	277	8199	8355	-1669	18511	0	30	18511	3127	441	22079	49.99
18	6822	283	288	7393	248	5280	0	40	7764	8204	-1438	19253	0	0	19253	3111	474	22838	49.96
19	6838	275	290	7403	387	5392	0	0	8775	9088	-1484	20325	0	0	20325	3138	461	23924	49.98
20	6715	198	293	7206	391	4957	0	0	8750	9035	-1714	19440	0	0	19440	3013	435	22888	50.00
21	6657	169	292	7118	504	4808	0	0	7645	7663	-1603	18038	0	0	18038	2855	453	21345	49.90
22	6263	216	292	6771	545	4540	0	0	7075	7526	-1642	17324	0	0	17324	2697	416	20437	50.00
23	6237	172	293	6702	492	4508	0	0	7071	7108	-1618	16777	0	0	16777	2597	415	19789	50.00
24	6015	168	297	6480	431	4485	0	0	7017	7051	-1653	16389	0	0	16389	2504	405	19298	50.02
MUs	151.70	7.08	7.02	165.80	9.51	116.36	0.00	7.75	187.57	194.01	-38.50	444.86	0.00	1.04	444.86	65.12	10.06	520.04	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 :-

ELR carried due to overloading of 220KV BBLR-1 & 2

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 06/Dec/2023

Position as on 6.30 Hrs of 07/Dec/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 5	108	12/11/2022	13:23		Continued.	Major overhaul.	15/02/2024
MSPGCL	Koyna Unit 11	80	10/07/2023	09:40		Continued.	COH	07/01/2024
MSPGCL	Nasik Unit 4	210	19/11/2023	15:48		Continued.	Stator Earth Fault (Converted into AOH from 00:00 hrs dt.20/11/2023)	12/12/2023
MSPGCL	Koyna STG-IV Unit-3	250	24/11/2023	08:00		Continued.	Capital Overhauling	19/01/2024
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
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	15/12/2023
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	31/03/2024
MSPGCL	Uran Unit 6	108	05/10/2023	00:29		Continued.	Gas shortage	
IPP	RPL(AMT) U-2	270	12/10/2023	07:59		Continued.	Tripped Due to Electrical protection opted.	15/12/2023
IPP	JPL Unit 1	150	03/11/2023	00:01		Continued.	Under shutdown condition Due to low net sales Realization cost.	
IPP	Adani U-5	660	16/11/2023	23:16		Continued.	Zero Schedule	
IPP	Adani U-4	660	27/11/2023	04:13		Continued.	zero schedule	
IPP	Adani U-1	660	28/11/2023	23:53		Continued.	ZERO SCHEDULE	
MSPGCL	Nasik Unit 5	210	30/11/2023	05:24	06/12/2023	15:23	Suspected BTL.	
MSPGCL	Parli Unit 6	250	01/12/2023	12:31		Continued.	Zero Schedule Given By MSEDCL	
MSPGCL	Parli Unit 7	250	01/12/2023	12:32		Continued.	Zero Schedule Given By MSEDCL	
MSPGCL	Parli Unit 8	250	02/12/2023	14:20		Continued.	Zero schedule	
MSPGCL	Bhusawal Unit 3	210	03/12/2023	11:00	06/12/2023	08:18	Boiler Tube Leakage	
MSPGCL	Khaparkheda Unit 1	210	05/12/2023	16:43		Continued.	suspected BTL	09/12/2023
MSPGCL	Chandrapur Unit 3	210	05/12/2023	17:13		Continued.	suspected BTL	07/12/2023
CENT.SECTOR	Tarapur 4	540	05/12/2023	23:47		Continued.	Auxiliary Secondary side feed water leakage.	
MSPGCL	Bhusawal Unit 5	500	06/12/2023	04:54	06/12/2023	08:10	Low furnace pressure	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 06/Dec/2023

Statement-VII

Position as on 6.30 Hrs of 07/Dec/2023

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 OF 765KV/21KV TIRODA-GT-5 AND 765KV-TIRODA-KORADI-III-1 @TIRODA - 765KV at TIRODA - 765KV	InterState	04/12/2023	09:50	06/12/2023	18:36	PO	Annual testing and mechanism OH
765 KV MAINBAY Outages/Trippings							
MAIN BAY (704) OF ICT - 2 @ KORADI 3	IntraState	06/12/2023	09:17	06/12/2023	17:24	PO	Annual maintenance of CB at Koradi- III SS
500 KV LINE Outages/Trippings							
CHANDRAPUR - PADGHE HVDC POLE 2	IntraState	01/12/2023	08:48			PO	Annual Maintenance work AC & DC Yard Equipment, Valve Hall, Diagnostic testing, Line Maintenance etc
CHANDRAPUR - PADGHE HVDC POLE 2	IntraState	01/12/2023	08:48			PO	Annual Maintenance work AC & DC Yard Equipment, Valve Hall, Diagnostic testing, Line Maintenance etc
CHANDRAPUR - PADGHE HVDC POLE 2	IntraState	01/12/2023	08:48			PO	Annual Maintenance work AC & DC Yard Equipment, Valve Hall, Diagnostic testing, Line Maintenance etc
400 KV MAINBAY Outages/Trippings							
400/11.5 KV 110MVA STN T/F 6A @ DEEPNAGAR	InterState	09/11/2023	15:36			PO	For alignment work of 89L isolator of Station Transformer 6A
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							
400KV-PARLI NEW-PARLI-M-1	InterState	19/08/2023	22:49			PO	For reconductoring
BABHALESHWAR - RPL(NSK) CKT - 1	IntraState	01/08/2023	09:21			EO	For attending Oil Leakage Problem of $\Delta Y \Delta$ phase Protection CT Of NTPP I (RPL 1)
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 GCR - CHANDRAPUR 2 CKT 1	IntraState	23/11/2023	11:55			PO	Scheme work of replacement of existing 0.5 ACSR conductor by HTLS conductor
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	26/11/2023	19:17			HT	HT Load Management
CHANDRAPUR GCR - CHANDRAPUR HVDC - 2	IntraState	01/12/2023	08:48			PO	1. CB pole overhauling work. 2.Diagnostic testing work of CT, CB. 3. Bay maintenance work.
PADGHE - PADGHE HVDC CKT- 2	IntraState	01/12/2023	08:48			PO	1.Bay Maintenance Work. 2.Diagnostic Testing Work. 3.MTAMC work. 4.Replacement of old BHEL Make 7 Core CT with New 7 Core CT of CGL make. 5.Replacement of A Bus B Ph PG Isolator under LES Scheme.
NEW KOYNA-KARAD CKT - 1	IntraState	06/12/2023	00:55	06/12/2023	09:51	HT	HT for Controlling Overvoltage
NEW KOYNA-KARAD CKT - 2	IntraState	06/12/2023	20:43			HT	Hand tripped for Voltage Management.
KHADKA-AURANGABAD (WALUJ)	IntraState	06/12/2023	21:18	07/12/2023	08:51	HT	Hand tripped for Voltage 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.

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 06/Dec/2023

Statement-VII

Position as on 6.30 Hrs of 07/Dec/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
STATION TRANSFORMER - 8A @ CHANDRAPUR SWITCHING SS	IntraState	01/12/2023	13:22			PO	R-PHASE BUSHING CHECKING, REPLACEMENT AND ASSOCIATED WORKS.
400/220/33 KV 500MVA ICT - 1 @ KORADI 2	IntraState	06/12/2023	10:18	06/12/2023	17:45	PO	1) Works of jumpering on 220kV side & IPS tube connection on 33kV Side of ICT-I under RRS project.
400/220/33 KV 500MVA ICT - 3 @ NAGOTHANE	IntraState	06/12/2023	12:20	06/12/2023	20:53	PO	For diagnostic testing work
220 KV LINE Outages/Trippings							
JEUR - SOLAPUR PG	InterState	06/12/2023	11:50	06/12/2023	16:32	PO	Outage is required for Quarterly Maintenance
GOREGAON - AAREY CKT - 2	IntraState	19/08/2023	07:13			PO	Outage proposed for bunching of 220kV Aarey-AEML Borivali Line (which is under outage) with 220kV Aarey-Goregaon Line-2. Work to be executed under MERC approved Aarey AIS to GIS project conversion scheme.
EKLAHARE (OCR) - PADGHE	IntraState	20/11/2023	17:31			HT	HT for load management from Padghe end
KALWA - TFIPL	IntraState	06/12/2023	00:20	06/12/2023	05:46	T	Distance Protection
AAREY - AEML BORIVALI	IntraState	06/12/2023	07:01			PO	1) Shifting of 220kV GIS Bay no. 19 to GIS Bay no. 18 & relay replacement at AEML Borivali End. 2)Normalizing 220kV Aarey-Goregaon Line-2 on its own circuit
OSMANABAD - BARSHI	IntraState	06/12/2023	09:34	06/12/2023	14:51	PO	Outage is required for Quarterly Maintenance
PETH- MUDSHINGI 1 LINE	IntraState	06/12/2023	09:52	06/12/2023	17:24	PO	For replacement of critical disc insulatore string observed in PID testing at tower loc no. 81(R, Y, B ph) & 83(Y ph).
NAGOTHANE - WADKHAL (GIS) CKT-2	IntraState	06/12/2023	10:05	06/12/2023	18:09	PO	Attending hot spot at Loc no. 5 (Bottom phase) & various manintenance work.
Aux Bus @ SOUTH SOLAPUR (KUMBHARI)	IntraState	06/12/2023	10:10	06/12/2023	13:21	PO	Outage is required for Quarterly Maintenance
TILLARI - AMONA LINE	IntraState	06/12/2023	10:51	06/12/2023	16:10	PO	Maintenance work
TROMBAY - CARNAC - 7	IntraState	06/12/2023	11:44	06/12/2023	17:22	T	Tripped on Distance Protection.
BUTIBORI-ABHIJEET	IntraState	06/12/2023	21:54	06/12/2023	22:35	T	A/R Success at Butibori R ph, Z1, 9.2KM, 7.2KA. Abhijeet R-ph, 9.9KM, 7.1KA.
KARAD - VITA CKT- 2	IntraState	07/12/2023	06:33			PO	Cold Washing of Insulator String
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.
220/132-110 KV 100MVA ICT No-01 @ OGLEWADI	IntraState	06/12/2023	10:02	06/12/2023	17:36	PO	Diagnostic Testing & Quarterly maintenance Work
220 KV BUSBAR Outages/Trippings							
AUXILIARY BUS @ PADGHE	IntraState	14/09/2023	10:32			PO	For making twin bus conductor arrangements of 220kV Aux. Bus in upper section .
132 KV LINE Outages/Trippings							
MANSAR-PENCH	InterState	22/09/2023	07:10			HT	H/T FOR LOAD MANAGEMENT
110 KV LINE Outages/Trippings							
SALSETTE POWAI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.
AMBERNATH - KALYAN CKT - 1	IntraState	06/12/2023	10:09	06/12/2023	19:25	PO	CLOSER INSPECTION

