

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 16/Oct/2022 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	112.439	1886.132	1) Gujrat	10.438	167.721
2) Hydro	7.147	125.806	2) Madhya Pradesh	4.052	110.092
3) Gas	2.141	35.597	3) Chattisgarh	4.630	86.310
Total MSPGCL	121.727	2047.535	4) Maharashtra	144.781	2587.756
B) 1) APMIL	58.905	816.290	5) Goa (Amona)	-1.046	-20.140
2) JSWEL	13.238	253.658	Total	162.855	2931.739
3) VIPL	0.000	0.000	a) Mumbai Schedule	34.275	527.791
4) RPL(AMT)	22.991	367.344	b) Mumbai Drawl	35.016	579.650
5) SWPGPL	7.339	115.347	c) MSEDCL Bilateral *	70.462	1073.266
6) Other IPP	8.221	119.385	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	34.275	527.780
C) 1) TPCL Thermal	9.883	159.104	Include PX	0.000	0.000
2) TPCL Hydro	1.566	63.765	Standby	0.000	0.012
3) TPCL Gas	2.331	37.358	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.186	150.883	1) MSEDCL	375.888	6268.717
D) STATE			2) Mumbai Discoms	56.982	990.737
1) Thermal	241.202	3868.143	3) Other Discoms	8.926	146.785
(A1+C1+C4+(B1-B6))			TOTAL STATE	441.796	7406.239
2) Hydro (A2+C2)	8.713	189.571			
3) Gas (A3+B7+C3)	4.472	72.955			
4) Wind	15.251	192.336			
6) SOLAR	9.303	151.518			
TOTAL STATE	278.941	4474.523			

* 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 18 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4256	5313	5533	4281
MSPGCL Hydro	209	388	1305	174
MSPGCL Gas	89	86	88	91
MSPGCL Total Generation	4554	5787	6926	4546
Central Sector Receipt	7170	6852	6461	5852
WIND	734	272	353	1075
CPP / IPP Thermal	4541	4611	5478	4662
CPP / IPP Gas	0	0	0	0
SOLAR	1204	60	0	0
Exchange with Mumbai	-1577	-1548	-1429	-1176
MSEDCL DEMAND MET	16233	15623	17381	14650
Load Shedding	0	0	0	0
MSEDCL DEMAND	16233	15623	17381	14650
TPCL GENERATION	519	578	723	514
AEML GENERATION	421	353	469	292
MUMBAI DEMAND	2517	2479	2621	1982
OTHER DISCOM DEMAND	393	411	408	309
STATE DEMAND MET	19143	18513	20410	16941
STATE DEMAND	19143	18513	20410	16941
Frequency (Hz)	49.99	50.01	49.99	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.19 Hz at 13.03 Hrs	49.86 Hz at 00.32 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 16/Oct/2022

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.15	24.41	210	140
Unit 7	0.00	0.00	0	0
Unit 8	0.00	123.66	0	0
Unit 9	3.00	40.66	432	0
Unit 10	9.40	155.88	415	356
Total	16.55	344.61		
Bhusawal				
Unit 3	0.00	32.53	0	0
Unit 4	8.29	127.94	415	280
Unit 5	8.88	132.10	450	275
Total	17.16	292.56		
Parli				
Unit 6	4.19	64.92	230	144
Unit 7	0.61	53.37	151	0
Unit 8	3.09	41.25	139	116
Total	7.89	159.53		
Chandrapur				
Unit 3	3.18	48.44	165	122
Unit 4	3.02	43.03	145	117
Unit 5	6.67	107.60	310	230
Unit 6	6.49	116.28	350	170
Unit 7	5.13	116.78	294	0
Unit 8	8.34	38.66	448	278
Unit 9	8.28	135.69	436	283
Total	41.11	606.48		
Paras				
Unit 3	4.99	64.54	235	145
Unit 4	0.00	0.00	0	0
Total	4.99	64.54		
Khaparkheda				
Unit 1	2.58	45.54	125	85
Unit 2	2.72	45.36	135	95
Unit 3	3.14	54.78	158	101
Unit 4	3.06	51.38	137	119
Unit 5	7.69	127.44	470	264
Total	19.17	324.49		
Nasik				
Unit 3	0.00	25.32	0	0
Unit 4	2.82	49.53	128	102
Unit 5	2.75	19.06	150	95
Total	5.56	93.92		
Uran				
All Units	2.14	35.60	92	85
Total	2.14	35.60		
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)	0.59	9.50	25	24
Total	0.59	9.50		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	1.86	32.56	370	35
Stage 4	0.67	25.55	488	0
Stage 3	0.76	14.52	240	0
Total	3.29	72.62		
Hydro				
KDPH	0.44	4.16	21	18
VTRNA	0.00	1.82	0	0
TILLARI	0.00	0.00	0	0
BHIRA T.R.	0.22	4.34	40	0
SMLHY_PTN	2.33	30.40	102	89
GHATGHAR	0.28	2.96	125	0
Total	3.26	43.68		
Wind				
Total	15.25	192.34	0	0
Total	15.25	192.34		
CPP				
APML(Mus)	58.90	816.29	0	0
JSWEL(Mus)	13.24	253.66	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	22.99	367.34	0	0
SWPGPL-Mus	7.34	115.35	0	0
Other(Mus)	8.22	119.38	0	0
Total	110.69	1672.02		
SOLAR				
Total	9.30	151.52	0	0
Total	9.30	151.52		
Tata				
Trombay 5	6.69	99.75	359	259
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.30	20.67	107	36
Trombay 7B	1.03	16.69	65	33
TATA Hydro	1.57	63.76	218	4
Trombay 8	3.19	59.36	138	131
Total	13.78	260.23		
AEML				
DTPS U-1&2	8.19	150.88	477	287
Total	8.19	150.88		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	112.44	1886.13	MSPGCL Total	121.73	2047.54
			MSPGCL Thml+Gas	114.58	1921.73	Koyna 1,2 & 4 Total	2.53	58.10
			MSPGCL Hydro	7.15	125.81	State Total	278.94	4474.52

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/Oct/2022

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	LOAD SHED DING	MSEDC L DEM. WITH LS	MUMBAI DEMAND	OTHER DISCOM DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS											
1	4282	173	91	4546	1033	4579	0	0	6542	6559	-1493	14877	0	14877	2352	347	17576	49.97
2	4271	174	92	4537	995	4475	0	0	5790	6110	-1331	14460	0	14460	2195	326	16981	49.98
3	4282	179	91	4552	1101	4745	0	0	5570	5667	-1163	14588	0	14588	2068	314	16970	50.00
4	4281	174	91	4546	1075	4662	0	0	5617	5852	-1176	14650	0	14650	1982	309	16941	49.99
5	4505	175	92	4772	916	4706	0	0	5821	6039	-1149	14974	0	14974	1943	310	17227	50.00
6	5011	182	92	5285	900	4809	0	0	6285	6552	-1188	16008	0	16008	1990	350	18348	50.01
7	5250	177	92	5519	874	4997	0	22	6713	6784	-1213	16613	0	16613	2003	370	18986	50.03
8	4949	171	91	5211	797	4819	0	229	7113	7154	-1286	16534	0	16534	2066	390	18990	50.06
9	4511	322	91	4924	787	4753	0	597	6899	7096	-1355	16410	0	16410	2215	392	19017	50.01
10	4460	367	91	4918	770	4656	0	949	6684	6791	-1360	16323	0	16323	2413	401	19137	49.98
11	4256	209	89	4554	734	4541	0	1204	7186	7170	-1577	16233	0	16233	2517	393	19143	49.99
12	3972	195	87	4254	770	4089	0	1348	7419	7381	-1663	15810	0	15810	2561	369	18740	49.96
13	4019	253	86	4358	545	3774	0	1342	7321	7432	-1735	15349	0	15349	2547	367	18263	49.99
14	4011	176	86	4273	369	3781	0	1299	7205	7484	-1721	15131	0	15131	2504	354	17989	50.07
15	4123	176	85	4384	310	3959	0	1133	7312	7518	-1730	15215	0	15215	2499	359	18073	50.03
16	4508	176	85	4769	258	4224	0	783	7466	7152	-1698	15111	0	15111	2506	377	17994	49.99
17	4752	176	85	5013	297	4373	0	337	7421	7440	-1671	15393	0	15393	2482	396	18271	49.97
18	5313	388	86	5787	272	4611	0	60	6929	6852	-1548	15623	0	15623	2479	411	18513	50.01
19	5533	1305	88	6926	353	5478	0	0	6352	6461	-1429	17381	0	17381	2621	408	20410	49.99
20	5494	745	89	6328	319	5400	0	0	7015	6825	-1441	17018	0	17018	2660	413	20091	50.01
21	5380	436	89	5905	416	5104	0	0	6678	6867	-1460	16432	0	16432	2617	400	19449	50.01
22	5249	378	90	5717	362	4740	0	0	6760	6641	-1547	15520	0	15520	2586	393	18499	50.00
23	5049	258	91	5398	491	4668	0	0	6735	6819	-1542	15434	0	15434	2601	400	18435	49.98
24	4978	182	91	5251	507	4751	0	0	6471	6209	-1540	14800	0	14800	2575	378	17753	50.02
MUs	112.44	7.15	2.14	121.73	15.25	110.69	0.00	9.30	161.30	162.86	-35.02	375.89	0.00	375.89	56.98	8.93	441.80	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.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 16/Oct/2022

Position as on 6.30 Hrs of 17/Oct/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Koyna Unit 9	80	15/06/2022	08:00		Continued.	Capital Overhaul	22/10/2022
MSPGCL	Paras Unit 4	250	21/09/2022	00:08		Continued.	Annual Overhaul	22/10/2022
FORCED OUTAGE								
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
PGPL	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)	
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.	31/03/2023
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	22/10/2022
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.	31/03/2023
MSPGCL	Koradi Unit 7	210	27/04/2021	20.03		Continued.	Retired (04/08/2021 At 00.00)	
MSPGCL	Ghatghar Unit-1	125	20/04/2022	00:35		Continued.	Stator Earth Fault	15/10/2022
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	
MSPGCL	Uran Unit 5	108	27/09/2022	17:11		Continued.	Gas shortage	
IPP	RPL(AMT) U-5	270	06/10/2022	21:33		Continued.	Furnace Pressure High	15/10/2022
MSPGCL	Nasik Unit 3	210	08/10/2022	20:05		Continued.	PA FAN 3B motor replacement work Unit # 3 Nashik is under tolling from 08:00 hrs of 10/10/2022 & is available (as PA FAN 3B work is completed)	
MSPGCL	Uran Unit B0	120	09/10/2022	11:53		Continued.	TURBINE PROTECTION OPERATED	18/10/2022
MSPGCL	Uran Unit 8	108	09/10/2022	12:30		Continued.	BOILER PROBLEM	18/10/2022
MSPGCL	Koradi Unit 9	660	10/10/2022	07:43	16/10/2022	13:32	Boiler Tube Leakage	15/10/2022
IPP	JSW (J) U1	300	11/10/2022	02:40		Continued.	No Schedule	
MSPGCL	Koradi Unit 8	660	12/10/2022	18:53		Continued.	Boiler Tube Leakage	16/10/2022
MSPGCL	Parli Unit 7	250	14/10/2022	04:24	16/10/2022	17:39	Boiler Tube Leakage	17/10/2022
MSPGCL	Koyna Unit 5	80	15/10/2022	07:40		Continued.	NEEDLE REPLACEMENT WORK	
IPP	IEPL Unit 1	270	16/10/2022	11:31	16/10/2022	14:29	Generator Rotor Earth Fault.	
IPP	SWPGPL U-3	135	16/10/2022	13:22	16/10/2022	18:43	AVR Channel Fault.	
IPP	SWPGPL U-4	135	16/10/2022	14:55		Continued.	Lube oil Pressure Low due to AOP tripping	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 16/Oct/2022

Position as on 6.30 Hrs of 17/Oct/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Chandrapur Unit 7	500	16/10/2022	20:01	17/10/2022	07:42	TURBINE GLAND SEALING PROBLEM	17/10/2022
MSPGCL	Chandrapur Unit 3	210	17/10/2022	07:28		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Oct/2022

Statement-VII

Position as on 6.30 Hrs of 17/Oct/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
CHANDRAPUR - PADGHE HVDC POLE 1	IntraState	15/10/2022	20:10			PO	To carry out following test on Pole -1 Y phase Converter transformer as per OEM recommendation 1.Ratio Test 2.Tan Delta of A-B1B2 Winding 3.DFRA Test 4.Winding Resistance 5.Measurement IR & PI of AB1-B2 winding 6.Core Insulation Measurement
400 KV TIEBAY Outages/Trippings							
TIE BREAKER (411) OF KORADI CKT 1 AND STATION TF-2 @ NANDGAONPETH	InterState	13/10/2022	11:42			EO	SF6 Gas Replenishment in Tie breaker (411) due to low SF6 Gas Alarm is coming intermittently and Density Monitor level is showing near alarm value.
400 KV MAINBAY Outages/Trippings							
400KV MAIN BAY 413 OF SPARE BAY @ CHANDRAPUR 2	InterState	23/06/2022	20:33			EO	for requirement of trip coil material from 400 kv spare bay 413 CB and utilise it in 400 kv Warora Ckt 2 CB 425
400 KV LINE Outages/Trippings							
KARAD - LONIKAND I	IntraState	10/10/2022	09:28			PO	1. Errection of 315A & 316 in line tower. 2. Loc no. 315 to 315A S/C stringing. 3. Loc no. 315A to 33(D/C LILO tower) stringing. 4. Loc No. 316 to 33(D/C LILO tower) stringing. 5. Dismantling of existing in line tower at loc no 316.
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	11/10/2022	08:52			HT	H/T FOR LOAD MANAGEMENT
JAIGAD - KARAD CKT - 2	IntraState	14/10/2022	00:23	16/10/2022	10:44	HT	H/T DUE TO O/V
DEEPNAGAR - AURANGABAD (WALUJ)	IntraState	15/10/2022	08:59	16/10/2022	19:38	PO	Replacement of Disc Insulator Strings by Long Rod Porcelain strings
DEEPNAGAR - AURANGABAD (WALUJ)	IntraState	15/10/2022	08:59	16/10/2022	19:38	PO	Replacement of Disc Insulator Strings by Long Rod Porcelain strings
CHANDRAPUR 2 - KUMBHARGAON(NANDED) CKT - 2	IntraState	17/10/2022	08:25			PO	Replacement of damaged/broken spacer at critical locations
CHANDRAPUR 2 - DHARIWAL CKT - 2	IntraState	17/10/2022	08:27			T	Tripped only at remote end with 410 Main breaker in ON condition at Chandrapur2 end.
400 KV ICT Outages/Trippings							
400/220KV 315 MVA ICT - 2 @ NEW KOYNA	IntraState	17/10/2022	09:07			PO	Routine maint. Work
220 KV LINE Outages/Trippings							
NALASOPARA - BOISAR PG	InterState	16/10/2022	07:05	16/10/2022	15:35	EO	Rectification of Hot spot and damaged conductor of bunching between loc no.136-137 & 142- 143

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Oct/2022

Statement-VII

Position as on 6.30 Hrs of 17/Oct/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
BOISAR - VERSOVA	IntraState	06/10/2022	08:15			PO	Bunching of lines at location no.SS 82 to facilitate the following project work: NHSRCL project: Relocation of existing Tr. Towers and lines at Vasai area - Tower no SS 221 & SS 223. DFCCIL project : Shifting of lines on temporary towers from SS 225 to SS 228. Post bunching the existing lines will be reconfigured as 220 kV Dahanu - Boisar temporary line.
DAHANU - VERSOVA	IntraState	06/10/2022	08:22			PO	Bunching of lines at location no.SS 82 to facilitate the following project work:NHSRCL project: Relocation of existing Tr. Towers and lines at Vasai area - Tower no SS 221 & SS 223.DFCCIL project : Shifting of lines on temporary towers from SS 225 to SS 228. Post bunching the existing lines will be reconfigured as 220 kV Dahanu - Boisar temporary line.
EKLAHARE (OCR) - PADGHE	IntraState	08/10/2022	22:52			HT	For load management
BUS SECTION BREAKER-3 @ TROMBAY	IntraState	16/10/2022	10:18	16/10/2022	11:03	EO	For SF6 gas top up
NAGOTHANE - WADKHAL (GIS) CKT-2	IntraState	16/10/2022	10:49	16/10/2022	13:48	EO	Replacement of flashover polymer insulator at Loc no. 15 (Top phase)
PEDHAMBE ONI LINE	IntraState	16/10/2022	17:44			T	Distance Protection
VANKUSWADE - AJINKYATARA	IntraState	16/10/2022	17:55	16/10/2022	18:25	HT	HT due to sparking on R-ph Isolator
LONAND - KANDALGAON (SONA ALLOY TAP)	IntraState	16/10/2022	18:27	16/10/2022	19:06	T	Distance Protection
TALANDGE - BIDRI	IntraState	17/10/2022	08:15			PO	Insulator Cleaning
EKLAHARE (GCR) - AIROLI KNOW PARK	IntraState	17/10/2022	08:39			HT	H/T FOR LOAD MANAGEMENT
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.
220/132KV 100MVA PTR 1 @ KHAREPATAN	IntraState	22/09/2022	16:35			T	ICT bursted
110 KV LINE Outages/Trippings							
DHARAVI POWAI	IntraState	30/08/2021	00:03			PO	Shifting of OPGW and stringing of conductor of 220 kV Trombay-Dharavi- Salsette line and replacement and shifting of conductor of Dharavi Powai and Dharavi Vikhroli line on new tower and dismantling old towers in section 32 to 38. 110 KV Vikhroli Powai line will be formed for dual feed to Vikhroli and Powai.
DHARAVI VIKHROLI	IntraState	30/08/2021	00:03			PO	Shifting of OPGW and stringing of conductor of 220 kV Trombay-Dharavi- Salsette line and replacement and shifting of conductor of Dharavi Powai and Dharavi Vikhroli line on new tower and dismantling old towers in section 32 to 38. 110 KV Vikhroli Powai line will be formed for dual feed to Vikhroli and Powai.

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Oct/2022

Statement-VII

Position as on 6.30 Hrs of 17/Oct/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
TATA BORIVLI MSETCL BORIVLI 1	IntraState	16/10/2022	09:30	16/10/2022	20:01	PO	Project Work-Transfer Bus Isolator Replacement at Kolshet
KHOPOLI - BHOKARPADA	IntraState	17/10/2022	08:06			PO	Attending to Line side isolator closing problem at Khopoli

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