

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Aug/2022 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	97.466	2152.945	1) Gujrat	10.199	184.000
2) Hydro	11.213	275.696	2) Madhya Pradesh	6.627	111.800
3) Gas	6.059	103.892	3) Chattisgarh	3.040	61.190
Total MSPGCL	114.738	2532.533	4) Maharashtra	139.926	2975.669
B) 1) APLM	53.878	1034.611	5) Goa (Amona)	-1.340	-33.244
2) JSWEL	13.338	295.939	Total	158.452	3299.415
3) VIPL	0.000	0.000	a) Mumbai Schedule	28.832	633.802
4) RPL(AMT)	18.321	423.062	b) Mumbai Drawl	31.668	692.206
5) SWPGPL	5.465	129.897	c) MSEDCL Bilateral *	80.886	1588.368
6) Other IPP	4.937	123.770	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	28.832	633.578
C) 1) TPCL Thermal	9.624	215.189	Include PX	0.000	0.000
2) TPCL Hydro	4.790	122.534	Standby	0.000	0.224
3) TPCL Gas	2.276	39.935	H) ENERGY CATERED (MUs)		
4) AEML Thermal	4.515	183.145	1) MSEDCL	385.018	7977.759
D) STATE			2) Mumbai Discoms	52.873	1253.009
1) Thermal	207.544	4558.558	3) Other Discoms	8.667	181.664
(A1+C1+C4+(B1-B6))			TOTAL STATE	446.558	9412.432
2) Hydro	16.003	398.230			
(A2+C2)					
3) Gas	8.335	143.827			
(A3+B7+C3)					
4) Wind	47.355	847.749			
6) SOLAR	8.869	164.653			
TOTAL STATE	288.106	6113.017			

* 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 20 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	4295	3924	4102	4259
MSPGCL Hydro	576	481	550	321
MSPGCL Gas	256	259	248	251
MSPGCL Total Generation	5127	4664	4900	4831
Central Sector Receipt	7182	7086	6983	5526
WIND	1697	1909	2514	1706
CPP / IPP Thermal	4319	3565	4590	4115
CPP / IPP Gas	0	0	0	0
SOLAR	774	1134	0	0
Exchange with Mumbai	-1496	-1735	-1375	-998
MSEDCL DEMAND MET	17218	16256	17210	14883
Load Shedding	0	0	0	0
MSEDCL DEMAND	17218	16256	17210	14883
TPCL GENERATION	610	540	817	727
AEML GENERATION	184	183	196	195
MUMBAI DEMAND	2290	2458	2388	1920
OTHER DISCOM DEMAND	385	367	402	297
STATE DEMAND MET	19893	19081	20000	17100
STATE DEMAND	19893	19081	20000	17100
Frequency (Hz)	50.00	50.04	49.99	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.22 Hz at 13.36 Hrs	49.7 Hz at 22.15 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 21/Aug/2022

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.06	50.92	180	0
Unit 7	0.00	0.00	0	0
Unit 8	4.86	102.62	355	0
Unit 9	0.00	46.51	0	0
Unit 10	7.80	215.40	430	288
Total	15.71	415.45		
Bhusawal				
Unit 3	0.00	7.23	0	0
Unit 4	9.04	169.36	465	280
Unit 5	0.00	55.81	0	0
Total	9.04	232.40		
Parli				
Unit 6	3.89	85.72	181	142
Unit 7	3.84	75.74	187	147
Unit 8	0.83	74.92	170	0
Total	8.56	236.38		
Chandrapur				
Unit 3	0.00	32.41	0	0
Unit 4	0.00	12.42	0	0
Unit 5	5.60	107.20	275	195
Unit 6	6.05	101.95	275	220
Unit 7	5.19	27.33	237	168
Unit 8	9.78	182.94	453	296
Unit 9	9.55	191.68	442	319
Total	36.17	655.94		
Paras				
Unit 3	3.97	70.91	179	145
Unit 4	4.08	76.11	188	146
Total	8.05	147.02		
Khaparkheda				
Unit 1	0.00	37.40	0	0
Unit 2	0.00	44.16	0	0
Unit 3	3.33	70.49	160	125
Unit 4	3.23	44.17	142	130
Unit 5	7.78	147.20	410	260
Total	14.34	343.43		
Nasik				
Unit 3	2.82	62.07	131	106
Unit 4	0.00	0.00	0	0
Unit 5	2.77	60.26	120	92
Total	5.59	122.33		
Uran				
All Units	6.06	103.89	264	242
Total	6.06	103.89		
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	12.52	25	24
Total	0.59	12.52		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	1.53	49.32	325	30
Stage 4	0.19	38.91	74	0
Stage 3	0.48	30.13	126	0
Total	2.20	118.36		
Hydro				
KDPH	0.86	8.96	36	36
VTRNA	0.73	12.59	60	0
TILLARI	0.58	11.08	58	0
BHIRA T.R.	0.48	9.76	73	0
SMLHY_PTN	5.78	98.80	250	226
GHATGHAR	0.00	3.64	0	0
Total	8.43	144.82		
Wind				
Total	47.36	847.75	0	0
Total	47.36	847.75		
CPP				
APML(Mus)	53.88	1034.61	0	0
JSWEL(Mus)	13.34	295.94	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	18.32	423.06	0	0
SWPGPL-Mus	5.46	129.90	0	0
Other(Mus)	4.94	123.77	0	0
Total	95.94	2007.28		
SOLAR				
Total	8.87	164.65	0	0
Total	8.87	164.65		
Tata				
Trombay 5	6.44	143.58	270	267
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.24	23.22	61	45
Trombay 7B	1.04	16.72	49	38
TATA Hydro	4.79	122.53	307	52
Trombay 8	3.18	71.61	133	132
Total	16.69	377.66		
AEML				
DTPS U-1&2	4.52	183.14	231	149
Total	4.52	183.14		

* Infirm Power		
Particulars	Daily (Mus)	Monthly

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	97.47	2152.94
MSPGCL Thml+Gas	103.52	2256.84
MSPGCL Hydro	11.21	275.70

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	114.74	2532.53
Koyna 1,2 & 4 Total	1.72	88.23
State Total	288.11	6113.02

State Load Despatch Center, Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/Aug/2022

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 DEMAN D	OTHER DISCOM DEMAN D	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS											
1	4337	324	251	4912	1584	4408	0	0	5722	5419	-1147	14846	0	14846	2167	330	17343	50.00
2	4360	324	262	4946	1735	4182	0	0	5555	5507	-1048	15006	0	15006	2036	316	17358	49.99
3	4259	321	251	4831	1706	4115	0	0	5589	5526	-998	14883	0	14883	1920	297	17100	50.00
4	4358	332	251	4941	1679	3876	0	0	5591	5902	-991	15114	0	15114	1867	293	17274	49.99
5	4377	423	251	5051	1618	3907	0	0	5937	6049	-965	15362	0	15362	1836	298	17496	49.98
6	4379	401	261	5041	1506	4340	0	0	6601	6709	-1014	16239	0	16239	1901	343	18483	49.95
7	4375	376	249	5000	1473	4362	0	50	7676	7447	-1064	16896	0	16896	1941	372	19209	50.01
8	4426	378	261	5065	1419	4281	0	275	7923	7814	-1112	17361	0	17361	1999	381	19741	49.99
9	4301	593	264	5158	1473	4116	0	595	7512	7515	-1340	17120	0	17120	2140	397	19657	50.02
10	4295	576	256	5127	1697	4319	0	774	7196	7182	-1496	17218	0	17218	2290	385	19893	50.00
11	4130	523	247	4900	1826	4108	0	998	7298	7047	-1630	16859	0	16859	2421	390	19670	49.96
12	3868	651	249	4768	2062	3601	0	1070	7285	7463	-1720	16853	0	16853	2482	391	19726	50.04
13	3924	481	259	4664	1909	3565	0	1134	7218	7086	-1735	16256	0	16256	2458	367	19081	50.04
14	3704	473	248	4425	1886	3442	0	1179	6997	7108	-1679	16017	0	16017	2379	343	18740	50.13
15	3502	461	249	4212	2006	3462	0	1106	7022	7064	-1607	15882	0	15882	2331	360	18574	50.09
16	3461	460	242	4163	2129	3529	0	896	7050	6793	-1475	15669	0	15669	2293	366	18328	49.98
17	3559	458	245	4262	2312	3576	0	536	6784	6531	-1360	15486	0	15486	2246	371	18103	50.03
18	3665	451	246	4362	2227	3691	0	231	6806	6959	-1324	15771	0	15771	2220	376	18366	50.06
19	3914	585	256	4755	2460	3889	0	26	7033	6977	-1310	16407	0	16407	2271	389	19068	49.94
20	4102	550	248	4900	2514	4590	0	0	7467	6983	-1375	17210	0	17210	2388	402	20000	49.99
21	3992	497	251	4740	2439	4369	0	0	6948	6636	-1398	16399	0	16399	2387	387	19173	49.99
22	4127	515	251	4893	2674	4263	0	0	6081	5745	-1360	15833	0	15833	2363	382	18578	49.92
23	4165	430	259	4854	2616	4162	0	0	5588	5443	-1296	15404	0	15404	2302	375	18081	49.89
24	3886	624	252	4762	2405	3786	0	0	5506	5553	-1224	14925	0	14925	2235	357	17517	50.00
MUs	97.47	11.21	6.06	114.74	47.35	95.94	0.00	8.87	160.39	158.45	-31.67	385.02	0.00	385.02	52.87	8.67	446.56	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 21/Aug/2022

Position as on 6.30 Hrs of 22/Aug/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	30/09/2022
MSPGCL	Koyna Unit 4	70	05/08/2022	17:20		Continued.	Generator winding differential protection	20/09/2022
MSPGCL	Koradi Unit 9	660	07/08/2022	14:53		Continued.	Boiler Tube Leakage (Converted to Annual Overhaul from 11.08.2022 for 45 Days)	26/09/2022
MSPGCL	Bhusawal Unit 5	500	08/08/2022	12:31		Continued.	Bottom ash Hopper damaged due to felling of clinker in the boiler (Converted into Annual Overhaul for 33 Days.)	10/09/2022
MSPGCL	Koyna STG-IV Unit-4	250	13/08/2022	10:06		Continued.	Commissioning and installation of new TSLG Governor	22/08/2022
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	IEPL Unit 1	270	28/08/2018	21.26		Continued.	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)	
IPP	JSW (J) U1	300	16/03/2022	23:16		Continued.	Turbine Vibration	
MSPGCL	Ghatghar Unit-1	125	20/04/2022	00:35		Continued.	Stator Earth Fault	01/09/2022
IPP	RPL(AMT) U-3	270	30/06/2022	15:00		Continued.	Coal Shortage	
IPP	JSW (J) U4	300	01/07/2022	13:03		Continued.	Turbine bearing Vibration high	24/08/2022
MSPGCL	Nasik Unit 4	210	14/07/2022	19:55		Continued.	Wet Coal Problem.	
IPP	SWPGPL U-2	135	20/07/2022	01:00		Continued.	Coal Shortage	
MSPGCL	Chandrapur Unit 4	210	09/08/2022	20:25		Continued.	FURNACE DRAFT VERY HIGH/ poor coal receipt & wet coal.	
MSPGCL	Chandrapur Unit 3	210	15/08/2022	12:50		Continued.	Poor Coal Receipt	
MSPGCL	Uran Unit 5	108	15/08/2022	19:41	22/08/2022	00:19	Gas shortage	
IPP	SWPGPL U-4	135	16/08/2022	00:45		Continued.	Coal Shortage	
MSPGCL	Bhusawal Unit 3	210	16/08/2022	03:44		Continued.	Wet coal problem.	

State Load Despatch Center, Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 21/Aug/2022

Position as on 6.30 Hrs of 22/Aug/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Khaparkheda Unit 1	210	16/08/2022	04:28		Continued.	DUE TO WET STEAM PROTECTION/ poor coal receipt & wet coal.	
AEML	AEML Unit 1	250	18/08/2022	10:04		Continued.	UAT T/F Buchholz relay tripped	22/08/2022
MSPGCL	Khaparkheda Unit 2	210	19/08/2022	02:18		Continued.	Furnace Pressure High/poor coal receipt & wet coal.	
IPP	RPL(AMT) U-5	270	19/08/2022	11:00		Continued.	Coal Shortage	
MSPGCL	Parli Unit 8	250	21/08/2022	05:10	22/08/2022	05:56	Fault of station TF	22/08/2022
MSPGCL	Koradi Unit 6	210	21/08/2022	08:50	21/08/2022	12:02	Low furnace pressure	
MSPGCL	Koradi Unit 8	660	21/08/2022	14:10		Continued.	SUSPECTED BOILER TUBE LEAKAGE	27/08/2022
MSPGCL	Uran Unit 6	108	22/08/2022	02:50		Continued.	Gas shortage	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Aug/2022

Statement-VII

Position as on 6.30 Hrs of 22/Aug/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
KORADI III - AKOLA II Ckt - 1	IntraState	21/08/2022	08:34	21/08/2022	18:25	PO	Annual Maintenance of line
500 KV LR Outages/Trippings							
Pole-1 Non base AC filter Z3 (120 MVAR) @ Chandrapur HVDC	IntraState	16/08/2022	15:11			HT	This breaker put in lock out at 15:06hrs dt.15.08.2022 and this filter is under breakdown and expert service are required for
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							
KHADKA-AURANGABAD (WALUJ)	IntraState	19/08/2022	23:56	21/08/2022	09:14	HT	HT OV
JAIGAD - KARAD CKT - 1	IntraState	20/08/2022	23:09	21/08/2022	09:10	HT	to control Over voltage
KHADKA-AURANGABAD (WALUJ)	IntraState	21/08/2022	19:43	22/08/2022	07:19	HT	H/T ON OV
JAIGAD - KARAD CKT - 2	IntraState	22/08/2022	00:24			HT	To control OV
220 KV LINE Outages/Trippings							
NERLE - PEDAMBE	IntraState	20/08/2022	23:31	21/08/2022	10:42	T	Tripped on Dist. Prot. Optd
INFOSYS - HINJAWADI 1	IntraState	21/08/2022	08:10	21/08/2022	19:11	PO	A) Tower Erection - 72MT MCTT Tower Main Body Erection B) Erection of one side Cross Arm (Road Side) C) Tower Tightneing
NERLE- POPHALI	IntraState	21/08/2022	11:15	21/08/2022	14:00	EO	Y Phase breaker to CT damaged conductor replacement work.
NIWALI - PAWAS LINE	IntraState	21/08/2022	12:00	21/08/2022	19:28	T	Distance Protection
ADLABS - PEDAMBE	IntraState	21/08/2022	12:08	21/08/2022	17:00	EO	For replacement of B ph wave trap jump at Pedhambe ss end.
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.
110 KV LINE Outages/Trippings							
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.
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.
WAGHIVALI - CHEMBUR	IntraState	04/02/2022	10:30	21/08/2022	17:48	PO	Construction of 400KV M/C Kharghar-Vikhroli Transmission line along with Dismantling, De-Stringining of existing 110KV Waghivali-Mankhurd and Waghivali-Chembur lines and shfiting these lines on new Multicircuit Towers between Darave to Vashi.

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Aug/2022

Statement-VII

Position as on 6.30 Hrs of 22/Aug/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
WAGHIVALI - MANKHURD	IntraState	04/02/2022	10:30	21/08/2022	14:00	PO	Construction of 400KV M/C Kharghar-Vikhroli Transmission line along with Dismantling, De-Stringining of existing 110KV Waghivali-Mankhurd and Waghivali-Chembur lines and shfiting these lines on new Multicircuit Towers between Darave to Vashi.

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