

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 28/Jul/2021 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	77.378	2800.040	1) Gujrat	-2.061	-190.819
2) Hydro	9.424	354.441	2) Madhya Pradesh	9.167	159.115
3) Gas	6.252	132.376	3) Chattisgarh	4.640	117.040
Total MSPGCL	93.054	3286.857	4) Maharashtra	121.464	3818.171
B) 1) APML	60.214	1754.772	5) Goa (Amona)	-1.728	-26.411
2) JSWEL	20.579	513.273	Total	131.482	3877.096
3) VIPL	0.000	0.000	a) Mumbai Schedule	27.767	793.580
4) RPL(AMT)	16.781	614.907	b) Mumbai Drawl	30.934	816.430
5) SWPGPL	2.126	135.076	c) MSEDCL Bilateral *	32.290	923.256
6) Other IPP	4.914	184.105	Include PX	5.152	132.760
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	27.767	790.824
C) 1) TPCL Thermal	10.043	312.828	Include PX	13.116	367.091
2) TPCL Hydro	4.987	130.001	Standby	0.000	2.756
3) TPCL Gas	2.554	69.989	H) ENERGY CATERED (MUs)		
4) AEML Thermal	6.859	190.328	1) MSEDCL	370.323	10762.984
D) STATE			2) Mumbai Discoms	55.377	1519.576
1) Thermal	198.894	6505.329	TOTAL STATE	425.700	12282.560
(A1+C1+C4+(B1-B6))					
2) Hydro	14.411	484.442			
(A2+C2)					
3) Gas	8.806	202.365			
(A3+B7+C3)					
4) Wind	66.621	1056.250			
6) SOLAR	5.486	157.078			
TOTAL STATE	294.218	8405.464			

* 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 4 Hrs
MSPGCL Thermal	3214	2909	3444	3158
MSPGCL Hydro	344	346	688	306
MSPGCL Gas	261	262	264	252
MSPGCL Total Generation	3818	3518	4396	3716
Central Sector Receipt	6030	5764	5579	4525
WIND	3046	3064	2876	2534
CPP / IPP Thermal	5113	4142	4537	4018
CPP / IPP Gas	0	0	0	0
SOLAR	682	759	0	0
Exchange with Mumbai	-1643	-1611	-1289	-859
MSEDCL DEMAND MET	17046	15636	16098	13934
Load Shedding	0	0	0	0
MSEDCL DEMAND	17046	15636	16098	13934
TPCL GENERATION	851	910	831	597
AEML GENERATION	287	286	287	287
MUMBAI DEMAND	2781	2807	2407	1743
STATE DEMAND MET	19828	18442	18506	15678
STATE DEMAND	19828	18442	18506	15678
Frequency (Hz)	49.99	50.01	50.00	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 13.44 Hrs	49.84 Hz at 16.42 Hrs	49.99	0 % of Time(min)

Note : The report is based on Operational Data and is for statistical purpose only.

Shift Engineer

Shift Incharge

Daily and Progressive Generation,Maximum,Minimum for 28/Jul/2021

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	7.73	256.69	361	278
Unit 9	7.94	204.43	381	250
Unit 10	7.44	211.27	330	250
Total	23.11	672.40		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	200.62	0	0
Unit 5	0.00	160.80	0	0
Total	0.00	361.42		
Parli				
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	0.00	22.08	0	0
Total	0.00	22.08		
Chandrapur				
Unit 3	3.10	89.99	145	114
Unit 4	3.24	75.04	165	117
Unit 5	7.68	204.54	400	275
Unit 6	7.05	202.95	350	275
Unit 7	6.96	104.50	330	255
Unit 8	8.95	261.78	435	280
Unit 9	0.00	138.21	0	0
Total	36.99	1077.01		
Paras				
Unit 3	0.00	83.94	0	0
Unit 4	3.86	88.19	234	146
Total	3.86	172.13		
Khaparkheda				
Unit 1	0.00	7.76	0	0
Unit 2	0.00	35.70	0	0
Unit 3	0.00	41.57	0	0
Unit 4	0.00	42.26	0	0
Unit 5	10.23	273.03	485	300
Total	10.23	400.31		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	14.10	0	0
Unit 5	3.19	80.59	195	122
Total	3.19	94.70		
Uran				
All Units	6.25	132.38	265	250
Total	6.25	132.38		
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)	0.00	4.60	0	0
Total	0.00	4.60		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	1.02	65.63	50	35
Stage 4	0.00	64.70	0	0
Stage 3	0.64	55.53	80	0
Total	1.66	185.85		
Hydro				
KDPH	0.85	2.56	36	36
VTRNA	0.00	1.63	0	0
TILLARI	0.56	8.56	58	0
BHIRA T.R.	0.43	12.02	40	0
SMLHY_PTN	5.50	138.74	242	206
GHATGHAR	0.42	5.09	226	0
Total	7.77	168.59		
Wind				
Total	66.62	1056.25	0	0
Total	66.62	1056.25		
CPP				
APML(Mus)	60.21	1754.77	0	0
JSWEL(Mus)	20.58	513.27	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	16.78	614.91	0	0
SWPGPL-Mus	2.13	135.08	0	0
Other(Mus)	4.91	184.10	0	0
Total	104.61	3202.13		
SOLAR				
Total	5.49	157.08	0	0
Total	5.49	157.08		
Tata				
Trombay 5	6.68	235.57	280	275
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.42	39.00	71	57
Trombay 7B	1.13	30.98	52	46
Trombay 8	3.36	77.26	162	137
TATA Hydro	4.99	130.00	388	73
Total	17.58	512.82		
AEML				
DTPS U-1&2	6.86	190.33	287	285
Total	6.86	190.33		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	77.38	2800.04	MSPGCL Total	93.05	3286.86
			MSPGCL Thml+Gas	83.63	2932.42	Koyna 1,2 & 4 Total	1.02	130.32
			MSPGCL Hydro	9.42	354.44	State Total	294.22	8405.46

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 28/Jul/2021

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS										
1	3241	312	261	3814	2572	4100	0	0	4747	4901	-1173	14214	0	14214	2072	16286	49.99
2	3184	312	262	3758	2480	4014	0	0	4698	4639	-1052	13840	0	13840	1938	15778	49.99
3	3142	308	260	3710	2574	4011	0	0	4625	4729	-938	14086	0	14086	1824	15910	50.00
4	3158	306	252	3716	2534	4018	0	0	4638	4525	-859	13934	0	13934	1743	15678	50.01
5	3311	302	261	3874	2380	4158	0	0	4640	4859	-864	14406	0	14406	1745	16152	50.00
6	3375	308	261	3944	2256	4594	0	0	4984	5040	-918	14916	0	14916	1803	16718	50.00
7	3485	336	262	4084	2450	4921	0	46	5882	6046	-975	16572	0	16572	1854	18426	49.95
8	3557	350	264	4172	2358	5220	0	207	6285	5938	-1116	16778	0	16778	2041	18820	50.00
9	3438	356	265	4058	2666	5218	0	415	6158	6421	-1356	17422	0	17422	2336	19758	49.96
10	3348	340	263	3950	2897	5205	0	554	5885	5944	-1532	17018	0	17018	2627	19646	49.98
11	3214	344	261	3818	3046	5113	0	682	5966	6030	-1643	17046	0	17046	2781	19828	49.99
12	2946	342	250	3538	3113	4368	0	668	6013	6143	-1664	16166	0	16166	2823	18988	49.96
13	2909	346	262	3518	3064	4142	0	759	5691	5764	-1611	15636	0	15636	2807	18442	50.01
14	2930	406	261	3598	3119	3977	0	633	5631	5579	-1588	15318	0	15318	2675	17992	50.07
15	3128	446	262	3836	3135	3952	0	550	5762	5852	-1603	15722	0	15722	2701	18424	50.02
16	3177	426	261	3864	3053	3908	0	450	5763	5477	-1573	15178	0	15178	2686	17864	49.99
17	3034	446	260	3740	3156	3697	0	327	5940	5745	-1496	15168	0	15168	2606	17774	49.92
18	3041	428	262	3730	3051	3690	0	165	5436	5987	-1369	15254	0	15254	2529	17784	49.98
19	3487	492	252	4230	2940	4120	0	30	5257	5646	-1335	15632	0	15632	2450	18082	49.99
20	3444	688	264	4396	2876	4537	0	0	5258	5579	-1289	16098	0	16098	2407	18506	50.00
21	3427	602	264	4292	2823	4721	0	0	5036	5320	-1235	15922	0	15922	2321	18242	50.01
22	3188	460	264	3912	2842	4445	0	0	4798	5063	-1231	15032	0	15032	2249	17280	50.01
23	3139	384	253	3776	2776	4235	0	0	4824	5419	-1246	14960	0	14960	2204	17164	49.99
24	3075	386	265	3726	2460	4250	0	0	4815	4836	-1268	14004	0	14004	2155	16158	49.99
MUs	77.38	9.42	6.25	93.05	66.62	104.61	0.00	5.49	128.73	131.48	-30.93	370.32	0.00	370.32	55.38	425.70	49.99

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 28/Jul/2021

Position as on 6.30 Hrs of 29/Jul/2021

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
IPP	RPL(AMT) U-3	270	15/07/2021	00.00		Continued.	Annual Overhaul	
MSPGCL	Chandrapur Unit 9	500	15/07/2021	02.00		Continued.	Annual Overhaul	
MSPGCL	Paras Unit 3	250	20/07/2021	00.35		Continued.	Annual Overhaul	
FORCED OUTAGE								
IPP	SWPGPL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
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)	
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	
MSPGCL	Nasik Unit 3	210	03/12/2020	06.45		Continued.	PA Fan Problem (Under Case 4 Bidding From 11.00Hrs DT. 21-01-2021).	
MSPGCL	Koradi Unit 6	210	27/04/2021	19.59		Continued.	Zero Schedule.	
MSPGCL	Koradi Unit 7	210	27/04/2021	20.03		Continued.	Zero Schedule.	
MSPGCL	Parli Unit 6	250	04/05/2021	20.00		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Parli Unit 7	250	05/05/2021	19.00		Continued.	Zero Schedule.	
MSPGCL	Bhusawal Unit 3	210	08/06/2021	00.34		Continued.	Zero Schedule.	
MSPGCL	Uran Unit 6	108	29/06/2021	22.18		Continued.	Gas shortage	
MSPGCL	Nasik Unit 4	210	04/07/2021	11.03		Continued.	Boiler Tube Leakage(Converted into to Zero Schedule from 20.00Hrs DT.06-07-2021)	
MSPGCL	Parli Unit 8	250	12/07/2021	18.00		Continued.	Zero Schedule.	
MSPGCL	Khaparkheda Unit 1	210	15/07/2021	23.57		Continued.	Zero schedule	
MSPGCL	Khaparkheda Unit 2	210	16/07/2021	00.12		Continued.	Zero schedule	
MSPGCL	Khaparkheda Unit 3	210	16/07/2021	00.29		Continued.	Zero schedule	
MSPGCL	Khaparkheda Unit 4	210	16/07/2021	02.00		Continued.	Zero schedule	
IPP	JSW (J) U4	300	16/07/2021	17.44		Continued.	Air Preheater problem.	
IPP	SWPGPL U-4	135	19/07/2021	23.45		Continued.	Zero schedule.	
IPP	SWPGPL U-2	135	19/07/2021	23.51	28/07/2021	23.14	Zero schedule.	
MSPGCL	Bhusawal Unit 5	500	21/07/2021	14.08		Continued.	Zero schedule.	
MSPGCL	Bhusawal Unit 4	500	26/07/2021	21.49		Continued.	Zero schedule.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Jul/2021

Statement-VII

Position as on 6.30 Hrs of 29/Jul/2021

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV LINE Outages/Trippings							
Karad Solapur (PG)	InterState	03/05/2017	11:49		Continued.	PO	Line Converted As 220 Kv Solapur (PG)- Jeur From LOC 403
Chandrapur Bhadravati II	InterState	26/07/2021	15.36		Continued.	PO	Maintenance work.
Dhule Sar'Sarovar I	InterState	27/07/2021	22.01	28/07/2021	09.49	HT	Over Voltage
Alkud-Solapur(PG)	InterState	28/07/2021	08.30	29/07/2021	01.22	PO	Quarterly Maintenance Work & Diagnostic Testing Work
Koradi Satpur	InterState	28/07/2021	16.09	28/07/2021	19.30	EO	Attending Hot Spot
Khadka-Aurangabad (Waluj)	IntraState	26/07/2021	21.59	28/07/2021	09.40	HT	Over Voltage
Main Bus-II @ Akola	IntraState	27/07/2021	11.29	28/07/2021	03.43	PO	Commissioning bus bar relay of main 417 bay & Spare ICT and servicing & alignment of isolators/earth switches will be carried out by Agency and Routine maintenance & testing work.
Main Bus II @ Akola 2	IntraState	27/07/2021	12.00	28/07/2021	03.43	PO	400KV Bus-Bar protection for Bus -1 and Bus-2 out of service.
Main Bus I @ Akola	IntraState	27/07/2021	12.00	28/07/2021	03.43	PO	400KV Bus-Bar protection for Bus -1 Bus-2 out of service.
Jaigad-Karad Ckt-I	IntraState	27/07/2021	23.58	28/07/2021	09.53	HT	Over Voltage
Pune(GIS)-A'bad(Waluj) Ckt 2	IntraState	28/07/2021	10.15	28/07/2021	17.42	PO	Power Grid Work At Pune End.
Khadka-Aurangabad (Waluj)	IntraState	28/07/2021	13.48		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	28/07/2021	21.17		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv 315 MVA ICT I @ KOLHAPUR-III (TALANDGE)	IntraState	10/08/2020	09.58		Continued.	PO	Replacement of existing 315 MVA ICT by 3*167 MVA ICT.
220 KV LINE Outages/Trippings							
Mudshingi Chikodi	InterState	24/09/2019	17.12		Continued.	PO	No Schedule(Charge from Mudshingi end only)
Talandage - Chikodi	InterState	01/10/2019	17.10		Continued.	PO	No Schedule(Close at Chikodi end only)
Boisar Tarapur	InterState	29/07/2021	02.12		Continued.	T	Distance Protection, Boisar-R PH To Earth 15.5KM, 9.84 KAMP. Tarapur R PH To Earth 5 KM, 8.4 KAMP.
Wadkhal(GIS)-JSW(GIS) I	IntraState	16/07/2021	17.50		Continued.	PO	For replacement of existing 1200/1A GIS metering CTs with new 1600/1A GIS CTs.
Mahad-Kandalgaon	IntraState	22/07/2021	19.35		Continued.	T	Distance Protection
Kandalgaon - Pirangut	IntraState	22/07/2021	19.37		Continued.	T	Distance Protection
Kharghar-Borivali ckt II	IntraState	23/07/2021	08.43		Continued.	PO	To Carry out bunching work.
Kalwa-TIFIL	IntraState	23/07/2021	11.12		Continued.	PO	For Complete Tower erection work at loc no. 75A & 76 (behind M/s Siemens).
Kharghar-Borivali ckt I	IntraState	24/07/2021	08.46		Continued.	PO	Tower Erection & Bunching work
Kalwa - Siemens	IntraState	24/07/2021	18.16		Continued.	PO	Tower Erection & Bunching work
Kharepatan -Pawas Line	IntraState	27/07/2021	11.25		Continued.	T	Back protection B-ph, 1.69K AMP
Miraj - ICHALKARANJI - II (TILWANI)	IntraState	28/07/2021	08.19		Continued.	T	Tower collapsed at loc no.27.
Bhugaon- Wardha	IntraState	28/07/2021	09.12	28/07/2021	17.26	PO	Measurement of Tan Delta & signature Analysis Of Line replacement Flash over disc.
Babhaleshwar - Degaon Rangari	IntraState	28/07/2021	09.52	28/07/2021	16.43	PO	CT Testing.
Khaparkheda-Kalmeshwar	IntraState	28/07/2021	09.56	28/07/2021	15.21	PO	Replacement of flash over String.
Beed-Patoda Ckt 1	IntraState	28/07/2021	11.05	28/07/2021	14.37	PO	Replacement Of flashed Disc

HT : Hand Tripping, MT : Multiple Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage, OO : Opportunity Outage

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Jul/2021

Statement-VII

Position as on 6.30 Hrs of 29/Jul/2021

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							Insulator String.
Karad-Nerle	IntraState	28/07/2021	11.18	28/07/2021	14.35	HT	For load management Of NERLE POPHALI Line.
karad - Dasgaon	IntraState	28/07/2021	11.19	28/07/2021	14.34	HT	For load management.
Pedambe-Nerle	IntraState	28/07/2021	12.20	28/07/2021	14.30	T	Attending Hot Spot
Satana-Gangapur	IntraState	28/07/2021	15.59	28/07/2021	18.31	HT	Outage AR SATANA End. Jumpering Work.
220 KV ICT Outages/Trippings							
220/132 Kv 200 MVA ICT II @Babhleshwar	IntraState	28/07/2021	10.12	29/07/2021	00.55	PO	Replacement of RCC Support Structures Of LV CTs, LV LA & 132kV Auxiliary Bus Isolator.
220/22 Kv 50 Mva T&R Ptr 2 @Padghe	IntraState	28/07/2021	10.54	28/07/2021	19.13	PO	Old relay removing & New Backup relay retrofitting work.
220/132 Kv 100 Mva Cgl Ict 1 @Virur	IntraState	28/07/2021	11.05	28/07/2021	15.10	PO	For Diagnostic testing work(Tan Delta of HV/LV CT, Winding, Bushing & Merger Of LA.

HT : Hand Tripping, MT : Multiple Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage, OO : Opportunity Outage