

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 30/Jun/2021 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	107.710	2974.629	1) Gujrat	4.445	26.089
2) Hydro	14.081	404.490	2) Madhya Pradesh	9.269	197.924
3) Gas	6.496	211.925	3) Chattisgarh	4.300	171.870
Total MSPGCL	128.287	3591.044	4) Maharashtra	116.626	4028.790
B) 1) APML	70.924	1472.390	5) Goa (Amona)	-1.500	-42.074
2) JSWEL	20.984	608.819	Total	133.140	4382.599
3) VIPL	0.000	0.000	a) Mumbai Schedule	31.052	867.569
4) RPL(AMT)	30.706	767.645	b) Mumbai Drawl	29.595	778.845
5) SWPGPL	2.863	121.135	c) MSEDCL Bilateral *	26.942	1110.918
6) Other IPP	7.987	246.517	Include PX	-3.224	217.461
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	30.625	862.398
C) 1) TPCL Thermal	10.784	405.642	Include PX	17.744	469.183
2) TPCL Hydro	7.662	130.634	Standby	0.426	5.171
3) TPCL Gas	2.539	108.950	H) ENERGY CATERED (MUs)		
4) AEML Thermal	5.967	162.747	1) MSEDCL	400.594	11582.404
D) STATE			2) Mumbai Discoms	56.548	1586.813
1) Thermal	257.925	6759.524	TOTAL STATE	457.142	13169.217
(A1+C1+C4+(B1-B6))					
2) Hydro	21.743	535.124			
(A2+C2)					
3) Gas	9.035	320.875			
(A3+B7+C3)					
4) Wind	27.606	977.341			
6) SOLAR	7.692	193.759			
TOTAL STATE	324.001	8786.623			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 12 Hrs	B. Day Peak at 16 Hrs	C. Evening Peak at 21 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4670	4574	4570	4233
MSPGCL Hydro	325	521	1232	316
MSPGCL Gas	266	262	268	272
MSPGCL Total Generation	5261	5357	6070	4821
Central Sector Receipt	6784	6472	5030	4334
WIND	753	985	1261	1398
CPP / IPP Thermal	5483	5630	5828	5454
CPP / IPP Gas	0	0	0	0
SOLAR	981	651	0	0
Exchange with Mumbai	-1565	-1420	-1207	-991
MSEDCL DEMAND MET	17697	17676	16982	15016
Load Shedding	0	0	0	0
MSEDCL DEMAND	17697	17676	16982	15016
TPCL GENERATION	1030	1030	902	618
AEML GENERATION	248	249	249	248
MUMBAI DEMAND	2843	2699	2358	1857
STATE DEMAND MET	20540	20374	19340	16873
STATE DEMAND	20540	20374	19340	16873
Frequency (Hz)	50.08	50.02	50.01	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 18.02 Hrs	49.85 Hz at 14.27 Hrs	50.04	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 30/Jun/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	11.24	114.27	532	337
Unit 9	10.16	248.13	470	345
Unit 10	10.03	316.79	480	350
Total	31.44	679.20		
Bhusawal				
Unit 3	0.00	9.52	0	0
Unit 4	0.00	103.37	0	0
Unit 5	0.00	73.02	0	0
Total	0.00	185.90		
Parli				
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	0.00	10.27	0	0
Total	0.00	10.27		
Chandrapur				
Unit 3	3.50	74.65	152	142
Unit 4	3.90	105.70	167	144
Unit 5	9.34	248.41	405	355
Unit 6	9.30	261.79	418	375
Unit 7	0.00	0.00	0	0
Unit 8	10.63	286.82	460	420
Unit 9	10.42	271.11	457	408
Total	47.09	1248.47		
Paras				
Unit 3	4.80	74.47	225	160
Unit 4	0.00	47.54	0	0
Total	4.80	122.02		
Khaparkheda				
Unit 1	0.00	28.10	0	0
Unit 2	3.66	83.46	180	115
Unit 3	4.22	93.65	200	127
Unit 4	2.16	89.38	205	0
Unit 5	11.29	329.30	500	440
Total	21.34	623.88		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	3.05	104.89	180	48
Unit 5	0.00	0.00	0	0
Total	3.05	104.89		
Uran				
All Units	6.50	211.92	283	261
Total	6.50	211.92		
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)	0.51	12.45	24	20
Total	0.51	12.45		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	3.36	81.93	445	40
Stage 4	3.57	75.24	730	0
Stage 3	1.98	44.93	240	0
Total	8.92	202.10		
Hydro				
KDPH	0.00	9.92	0	0
VTRNA	0.00	17.54	0	0
TILLARI	0.58	18.41	58	0
BHIRA T.R.	0.47	9.51	80	0
SMLHY_PTN	4.11	139.68	184	164
GHATGHAR	0.00	7.32	0	0
Total	5.16	202.38		
Wind				
Total	27.61	977.34	0	0
Total	27.61	977.34		
CPP				
APML(Mus)	70.92	1472.39	0	0
JSWEL(Mus)	20.98	608.82	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	30.71	767.64	0	0
SWPGPL-Mus	2.86	121.14	0	0
Other(Mus)	7.99	246.52	0	0
Total	133.46	3216.51		
SOLAR				
Total	7.69	193.76	0	0
Total	7.69	193.76		
Tata				
Trombay 5	10.78	272.66	470	368
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.41	66.89	69	56
Trombay 7B	1.13	42.06	52	45
Trombay 8	0.00	132.98	0	0
TATA Hydro	7.66	130.63	459	110
Total	20.98	645.23		
AEML				
DTPS U-1&2	5.97	162.75	249	248
Total	5.97	162.75		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	107.71	2974.63	MSPGCL Total	128.29	3591.04
			MSPGCL Thml+Gas	114.21	3186.55	Koyna 1,2 & 4 Total	6.94	157.17
			MSPGCL Hydro	14.08	404.49	State Total	324.00	8786.62

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 30/Jun/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	4242	559	280	5081	1295	5484	0	0	4759	4498	-1144	15214	0	15214	2203	17417	50.02
2	4174	432	271	4877	1345	5474	0	0	4494	4612	-1047	15261	0	15261	2060	17321	50.02
3	4208	429	272	4909	1334	5452	0	0	4356	4500	-1034	15161	0	15161	1937	17098	50.02
4	4233	316	272	4821	1398	5454	0	0	4623	4334	-991	15016	0	15016	1857	16873	50.05
5	4274	299	272	4845	1319	5478	0	0	4851	4691	-983	15350	0	15350	1826	17176	50.01
6	4326	501	272	5099	1164	5491	0	0	5292	5376	-985	16145	0	16145	1863	18008	50.02
7	4485	1306	272	6063	1013	5503	0	64	5603	5717	-939	17421	0	17421	1907	19328	50.02
8	4643	1099	282	6024	966	5539	0	305	5818	5867	-1046	17655	0	17655	2059	19714	50.05
9	4687	382	283	5352	936	5552	0	568	6398	6354	-1164	17598	0	17598	2331	19929	50.05
10	4492	364	270	5126	794	5521	0	837	6652	6825	-1354	17749	0	17749	2622	20371	50.06
11	4507	368	269	5144	750	5482	0	981	6731	6855	-1550	17662	0	17662	2802	20464	50.06
12	4670	325	266	5261	753	5483	0	981	6911	6784	-1565	17697	0	17697	2843	20540	50.08
13	4552	309	262	5123	852	5319	0	964	6909	6785	-1543	17500	0	17500	2804	20304	50.04
14	4471	309	263	5043	753	5419	0	858	6446	6493	-1463	17103	0	17103	2724	19827	50.06
15	4690	415	261	5366	983	5531	0	872	6368	6226	-1442	17536	0	17536	2720	20256	49.97
16	4574	521	262	5357	985	5630	0	651	6382	6472	-1420	17676	0	17676	2699	20374	50.02
17	4565	532	268	5365	1475	5602	0	428	5920	5687	-1359	17198	0	17198	2636	19834	50.03
18	4559	537	276	5372	1585	5631	0	144	5603	5428	-1259	16901	0	16901	2535	19436	50.08
19	4556	318	267	5141	1687	5557	0	39	5330	5128	-1208	16344	0	16344	2423	18767	50.10
20	4694	632	267	5593	1361	5710	0	0	5113	5428	-1188	16904	0	16904	2385	19289	50.03
21	4570	1232	268	6070	1261	5828	0	0	4915	5030	-1207	16982	0	16982	2358	19340	50.01
22	4549	1270	280	6099	1293	5821	0	0	4404	4459	-1198	16474	0	16474	2325	18799	50.02
23	4512	1076	272	5860	1135	5778	0	0	4489	4670	-1236	16207	0	16207	2316	18523	50.04
24	4477	550	269	5296	1169	5725	0	0	4912	4921	-1270	15841	0	15841	2312	18153	50.03
MUs	107.71	14.08	6.50	128.29	27.61	133.46	0.00	7.69	133.28	133.14	-29.59	400.59	0.00	400.59	56.55	457.14	50.04

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 30/Jun/2021

Position as on 6.30 Hrs of 01/Jul/2021

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
AEML	AEML Unit 1	250	19/05/2021	09.52		Continued.	HP turbine replacement.	
MSPGCL	Khaparkheda Unit 1	210	11/06/2021	23.58		Continued.	Annual Overhaul	
FORCED OUTAGE								
IPP	SWPGPL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
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	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	Chandrapur Unit 7	500	20/02/2021	23.43		Continued.	Generator Earth Fault.	
MSPGCL	Koradi Unit 6	210	27/04/2021	19.59		Continued.	Zero Schedule.	
MSPGCL	Koradi Unit 7	210	27/04/2021	20.03		Continued.	Retired (04/08/2021 At 00.00)	
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	Nasik Unit 5	210	17/05/2021	12.50		Continued.	Zero schedule.	
IPP	SWPGPL U-3	135	08/06/2021	00.24		Continued.	Zero Schedule.	
MSPGCL	Parli Unit 8	250	08/06/2021	00.30		Continued.	Zero Schedule.	
MSPGCL	Bhusawal Unit 3	210	08/06/2021	00.34		Continued.	Zero Schedule.	
MSPGCL	Paras Unit 4	250	10/06/2021	17.00		Continued.	zero scheduled given by MSEDCL	
MSPGCL	Bhusawal Unit 4	500	11/06/2021	16.11		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Bhusawal Unit 5	500	11/06/2021	16.35		Continued.	Zero Schedule By MSEDCL	
IPP	JSW (J) U2	300	20/06/2021	04.30		Continued.	Generator maintenance work.	
IPP	SWPGPL U-2	135	25/06/2021	01.22		Continued.	ID Fan High Vibration.(unit under zero schedule from 04.00 hrs on dt. 25.06.2021.)	
TPC_G	Trombay 8	250	29/06/2021	09.12		Continued.	Boiler Tube Leakage	
MSPGCL	Khaparkheda Unit 4	210	29/06/2021	19.58	30/06/2021	09.15	Generator Protection operated	
MSPGCL	Uran Unit 6	108	29/06/2021	22.18		Continued.	Gas shortage	
MSPGCL	Koyna STG-IV Unit-4	250	30/06/2021	21.50	30/06/2021	22.30	Turbine oil Leakage	
MSPGCL	Chandrapur Unit 6	500	01/07/2021	08.57		Continued.	Boiler Tube Leakage	
MSPGCL	Koyna STG-IV Unit-4	250	01/07/2021	19.57	01/07/2021	20.45	Sensor Malfuction	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 30/Jun/2021

Position as on 6.30 Hrs of 01/Jul/2021

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Koyana STG-IV Unit-3	250	01/07/2021	20.03		Continued.	Shaft seal water circulation loss.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jun/2021

Statement-VII

Position as on 6.30 Hrs of 01/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
Bableshwar- Aurangabad (Waluj)	IntraState	23/06/2021	09.26		Continued.	PO	Samruddhi expressway crossing 400kv line diversion work.
Khadka-Aurangabad (Waluj)	IntraState	29/06/2021	21.11	30/06/2021	10.42	HT	Over Voltage
karad -kolhapur-I	IntraState	29/06/2021	22.54	30/06/2021	15.12	HT	Over Voltage
Karad-Jaigad - I	IntraState	29/06/2021	22.55	30/06/2021	09.00	HT	Over Voltage
Karad - Talandge Ckt 1	IntraState	30/06/2021	09.38	30/06/2021	15.12	EO	Attending Hot Spot
Khadka-Aurangabad (Waluj)	IntraState	30/06/2021	21.32	01/07/2021	09.49	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	01/07/2021	21.07		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.(FTC DT 16/08/2021 At 14.42)
400/220/33 Kv 500 Mva Ict-3 @Nagothane	IntraState	01/07/2021	03.50	01/07/2021	13.47	T	Tripped on OSR
400/220/33 Kv 500 MVA ICT-III @Parali (Girwali)	IntraState	01/07/2021	09.24	01/07/2021	19.39	PO	ICT Unit bushing and winding C & Tan delta measurement work.
400/220 Kv 315 Mva Ict 1 @Chakan	IntraState	01/07/2021	10.21	01/07/2021	19.26	PO	Outage for oil top up in ICT-1 R-ph unit due to low oil level.
400/220 Kv 500 MVA ICT-IV @Kalwa	IntraState	01/07/2021	22.07	01/07/2021	23.54	EO	Attending Hot Spot on B Ph LV bushing connecting jumper.
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)
MSETCL Borivli Aarey 2	IntraState	07/06/2021	09.05		Continued.	PO	In Pointing Y-Ph Cable Sheath Fault Between Section JC-14 To JC-16.(sock test at 22.54 dt.03/07/21)
MSETCL Borivli Aarey 1	IntraState	17/06/2021	13.25		Continued.	T	Distance Protection (Charged only from Aarey end).10/Jul/2021 19.56 Soak Test.
BHIRA (T) - KARANJADE CKT - 8	IntraState	21/06/2021	07.16	30/06/2021	22.06	PO	Conductor replacement in span 136 -137 DFCC work.
Lamboti - Solapur li(Bale) Ckt- I	IntraState	29/06/2021	21.35	30/06/2021	02.09	T	Distance Protection
Koyna (Pophali) - Kdph	IntraState	30/06/2021	04.50	30/06/2021	17.50	T	Distance Protection
Lamboti -Solapur li(Bale) Ckt- II	IntraState	30/06/2021	07.26	30/06/2021	13.59	HT	R-Ph LA to BE Replaced.
Mumewadi-Belewadi	IntraState	30/06/2021	09.50	30/06/2021	16.58	PO	Siemens make CB Overhauling work.
Gcr Chandrapur - Grace Ltd	IntraState	30/06/2021	09.51	30/06/2021	15.33	PO	Fixing of MFM meter & CMR relay on CP panel for MTAMC project, Measurement of Tan delta
Wpcl-Warora 1	IntraState	30/06/2021	10.17	30/06/2021	15.53	PO	Bus jumper tightening work by hot line method at 220kv warora S/STN end by M/S. SWPL authority
Satana-Gangapur	IntraState	30/06/2021	10.30	30/06/2021	18.03	PO	Jumper replacement work.
Kanhan-Umred 1	IntraState	30/06/2021	10.38	30/06/2021	14.01	PO	Testing Work
Flagship-Chinchwad	IntraState	30/06/2021	10.57	30/06/2021	11.07	T	Distance Protection
Waluj- Padegaon li	IntraState	30/06/2021	12.42	30/06/2021	16.44	PO	Jumper Tightening and Fixing of Nut Bolts
Pandharpur - Malinagar	IntraState	30/06/2021	13.10	30/06/2021	15.40	PO	Tree cutting work.
Kalmeshwar - JSW	IntraState	01/07/2021	07.33	01/07/2021	18.15	PO	Tan delta and capacitance measurement of CTS and CB timing. CRM of CB.

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 30/Jun/2021

Statement-VII

Position as on 6.30 Hrs of 01/Jul/2021

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Kandalgaon - Sona Alloys	IntraState	01/07/2021	09.00	01/07/2021	18.00	PO	Damage conductor work
Mulund - GIS Bhandup	IntraState	01/07/2021	09.37		Continued.	PO	project work of bay strengthening on 200kv Mulund-Bhandup GIS line bay at 220kv Mulund substation
Kalwa - Mulund 1	IntraState	01/07/2021	09.39		Continued.	PO	project work of bay strengthening on 220kv Mulund-Bhandup GIS line bay along with replacement of C&R panel of 220 kalwa-1 at 220kv Mulund substation.
Chandrapur GCR - Sicom I	IntraState	01/07/2021	09.51	01/07/2021	16.27	PO	Routine Maintenance Work
Mumewadi -Halkarni ckt-II	IntraState	01/07/2021	10.25	01/07/2021	17.30	PO	Siemens make CB Overhauling work.
Uran - Kharghar I	IntraState	01/07/2021	10.40		Continued.	PO	Construction work.
CHAKAN (400 KV)- Chinchwad2	IntraState	01/07/2021	11.00	01/07/2021	20.16	PO	Routine Maintenance Work
220 KV ICT Outages/Trippings							
220/132kv 100MVA ICT-II @ Alephata	IntraState	01/07/2021	10.13	01/07/2021	13.40	PO	LV circuit breaker drive mechanism overhauling work.
220/132kv 200mva Emco ICT-1 @Kurkumbh	IntraState	01/07/2021	11.25	01/07/2021	15.30	PO	Relay testing work

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