

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 07/Jul/2022 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	125.161	932.228	1) Gujrat	-12.280	-70.233
2) Hydro	11.009	80.444	2) Madhya Pradesh	3.199	36.211
3) Gas	3.254	36.391	3) Chattisgarh	3.870	26.450
Total MSPGCL	139.424	1049.063	4) Maharashtra	152.408	1104.491
B) 1) APML	49.216	345.172	5) Goa (Amona)	-1.248	-8.448
2) JSWEL	13.468	99.234	Total	145.949	1088.471
3) VIPL	0.000	0.000	a) Mumbai Schedule	32.101	232.984
4) RPL(AMT)	19.974	127.627	b) Mumbai Drawl	35.108	253.568
5) SWPGPL	8.576	53.313	c) MSEDCL Bilateral *	73.796	545.626
6) Other IPP	7.910	54.149	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	31.852	230.940
C) 1) TPCL Thermal	8.246	60.663	Include PX	0.000	0.000
2) TPCL Hydro	5.068	20.928	Standby	0.249	2.044
3) TPCL Gas	0.095	6.389	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.959	73.061	1) MSEDCL	393.351	2841.894
D) STATE			2) Mumbai Discoms	59.476	414.610
1) Thermal	243.510	1745.447	3) Other Discoms	8.840	62.409
(A1+C1+C4+(B1-B6))			TOTAL STATE	461.667	3318.913
2) Hydro (A2+C2)	16.077	101.372			
3) Gas (A3+B7+C3)	3.349	42.780			
4) Wind	46.842	287.460			
6) SOLAR	5.940	53.382			
TOTAL STATE	315.718	2230.441			

* 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 4 Hrs
MSPGCL Thermal	5581	4945	5033	5577
MSPGCL Hydro	496	511	829	306
MSPGCL Gas	140	130	140	132
MSPGCL Total Generation	6217	5586	6002	6015
Central Sector Receipt	7505	6988	6152	4841
WIND	1781	2137	2219	1617
CPP / IPP Thermal	3800	3241	4818	4088
CPP / IPP Gas	0	0	0	0
SOLAR	640	727	0	0
Exchange with Mumbai	-1899	-2004	-1421	-1051
MSEDCL DEMAND MET	17638	16296	17348	15217
Load Shedding	0	0	0	0
MSEDCL DEMAND	17638	16296	17348	15217
TPCL GENERATION	483	531	870	355
AEML GENERATION	487	473	458	425
MUMBAI DEMAND	2869	3008	2749	1831
OTHER DISCOM DEMAND	406	379	422	292
STATE DEMAND MET	20913	19683	20519	17341
STATE DEMAND	20913	19683	20519	17341
Frequency (Hz)	49.97	49.97	49.98	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.13 Hz at 08.31 Hrs	49.72 Hz at 06.13 Hrs	49.99	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 07/Jul/2022

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	2.20	13.53	120	70
Unit 7	0.00	0.00	0	0
Unit 8	0.00	43.27	0	0
Unit 9	6.06	46.99	510	0
Unit 10	11.01	79.40	498	425
Total	19.27	183.20		
Bhusawal				
Unit 3	2.98	21.17	135	115
Unit 4	9.22	64.58	410	280
Unit 5	9.26	51.62	425	285
Total	21.47	137.37		
Parli				
Unit 6	5.22	35.74	250	161
Unit 7	4.57	30.58	238	148
Unit 8	0.00	0.00	0	0
Total	9.79	66.32		
Chandrapur				
Unit 3	2.70	18.09	120	95
Unit 4	2.84	20.13	137	104
Unit 5	6.65	51.24	320	220
Unit 6	6.81	46.65	327	234
Unit 7	0.00	0.00	0	0
Unit 8	9.77	70.75	456	347
Unit 9	10.56	70.40	450	419
Total	39.32	277.27		
Paras				
Unit 3	4.14	30.77	189	142
Unit 4	4.12	30.20	187	145
Total	8.26	60.97		
Khaparkheda				
Unit 1	2.66	21.16	120	90
Unit 2	3.18	22.26	150	110
Unit 3	1.88	24.69	148	0
Unit 4	0.00	0.00	0	0
Unit 5	9.16	68.93	475	0
Total	16.88	137.04		
Nasik				
Unit 3	3.54	26.07	176	120
Unit 4	3.21	23.74	144	122
Unit 5	3.42	20.26	168	120
Total	10.16	70.06		
Uran				
All Units	3.25	36.39	142	128
Total	3.25	36.39		
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)	0.30	0.99	28	0
Total	0.30	0.99		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	1.65	16.16	290	35
Stage 4	0.23	7.89	230	0
Stage 3	1.58	9.33	80	0
Total	3.46	33.38		
Hydro				
KDPH	0.00	0.65	0	0
VTRNA	0.86	5.16	61	0
TILLARI	0.35	2.01	58	0
BHIRA T.R.	0.46	1.81	80	0
SMLHY_PTN	5.58	36.45	244	214
GHATGHAR	0.00	0.00	0	0
Total	7.25	46.08		
Wind				
Total	46.84	287.46	0	0
Total	46.84	287.46		
CPP				
APML(Mus)	49.22	345.17	0	0
JSWEL(Mus)	13.47	99.23	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	19.97	127.63	0	0
SWPGPL-Mus	8.58	53.31	0	0
Other(Mus)	7.91	54.15	0	0
Total	99.14	679.50		
SOLAR				
Total	5.94	53.38	0	0
Total	5.94	53.38		
Tata				
Trombay 5	3.80	30.28	325	0
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.05	3.82	42	0
Trombay 7B	0.04	2.57	37	0
TATA Hydro	5.07	20.93	334	133
Trombay 8	4.44	30.38	225	163
Total	13.41	87.98		
AEML				
DTPS U-1&2	10.96	73.06	496	48
Total	10.96	73.06		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	125.16	932.23	MSPGCL Total	139.42	1049.06
			MSPGCL Thml+Gas	128.42	968.62	Koyna 1,2 & 4 Total	1.88	24.05
			MSPGCL Hydro	11.01	80.44	State Total	315.72	2230.44

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/Jul/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 DEMAN D	OTHER DISCOM DEMAN D	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS											
1	5599	383	140	6122	1797	4165	0	0	4899	4643	-1038	15369	0	15369	2097	321	17786	49.97
2	5574	334	130	6038	1812	4104	0	0	4928	4697	-1050	15281	0	15281	1966	320	17567	50.01
3	5588	306	141	6035	1598	3985	0	0	4701	4949	-995	15270	0	15270	1879	302	17451	50.00
4	5577	306	132	6015	1617	4088	0	0	4954	4841	-1051	15217	0	15217	1831	292	17341	49.97
5	5564	298	142	6004	1605	4146	0	0	5339	5279	-1035	15713	0	15713	1817	287	17816	50.00
6	5560	310	140	6010	1595	4354	0	1	6093	6107	-1042	16698	0	16698	1486	327	18511	49.99
7	5588	345	130	6063	1739	4555	0	65	6591	6513	-1123	17445	0	17445	2069	367	19881	49.86
8	5687	348	140	6175	1824	4313	0	266	7014	7074	-1435	17845	0	17845	2257	372	20474	50.02
9	5672	415	130	6217	1847	3943	0	468	7162	7219	-1774	17531	0	17531	2573	389	20493	50.04
10	5581	496	140	6217	1781	3800	0	640	6980	7505	-1899	17638	0	17638	2869	406	20913	49.97
11	5540	542	130	6212	1781	3835	0	684	7344	7330	-2020	17428	0	17428	3041	394	20863	50.02
12	5495	502	140	6137	1903	3696	0	716	7403	6914	-2018	16981	0	16981	3062	367	20410	49.97
13	4945	511	130	5586	2137	3241	0	727	7059	6988	-2004	16296	0	16296	3008	379	19683	49.97
14	4445	478	140	5063	2119	3202	0	775	6989	7046	-1815	16021	0	16021	2866	370	19256	50.01
15	4400	443	129	4972	2296	3617	0	714	6589	6699	-1797	16143	0	16143	2856	357	19357	50.00
16	4513	423	139	5075	2636	3984	0	450	6559	5862	-1766	15843	0	15843	2841	398	19082	49.97
17	4501	410	138	5049	2714	3602	0	267	6565	6688	-1765	16164	0	16164	2818	391	19373	49.94
18	4734	408	129	5271	2486	3782	0	123	6583	6253	-1735	15773	0	15773	2808	407	18988	50.05
19	4942	450	140	5532	2419	4550	0	44	6462	6693	-1673	17140	0	17140	2763	426	20328	50.03
20	5033	829	140	6002	2219	4818	0	0	6299	6152	-1421	17348	0	17348	2749	422	20519	49.98
21	5109	664	128	5901	1977	4876	0	0	5662	5752	-1294	16802	0	16802	2655	410	19867	49.99
22	5122	737	140	5999	1644	4749	0	0	5222	5437	-1231	16204	0	16204	2535	394	19133	49.98
23	5185	632	128	5945	1727	4890	0	0	4911	4789	-1109	15862	0	15862	2379	380	18621	49.95
24	5207	439	138	5784	1569	4848	0	0	4881	4519	-1018	15340	0	15340	2251	362	17953	50.01
MUs	125.16	11.01	3.25	139.42	46.84	99.14	0.00	5.94	147.19	145.95	-35.11	393.35	0.00	393.35	59.48	8.84	461.67	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 07/Jul/2022

Position as on 6.30 Hrs of 08/Jul/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Khaparkheda Unit 4	210	05/06/2022	00:07		Continued.	Annual Overhaul	20/07/2022
IPP	RPL(AMT) U-5	270	15/06/2022	00:00	07/07/2022	15:02	Annual Overhaul	25/07/2022
MSPGCL	Koyna Unit 9	80	15/06/2022	08:00		Continued.	Capital Overhaul	30/09/2022
MSPGCL	Parli Unit 8	250	25/06/2022	00:00		Continued.	Short overhauling	10/07/2022
IPP	Adani U-2	660	25/06/2022	04:18		Continued.	Annual Overhaul	22/07/2022
MSPGCL	Koradi Unit 8	660	04/07/2022	21:55		Continued.	Annual Overhaul	10/08/2022
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	15/07/2022
MSPGCL	Ghatghar Unit-1	125	20/04/2022	00:35		Continued.	Stator Earth Fault	01/09/2022
MSPGCL	Chandrapur Unit 7	500	15/06/2022	05:01		Continued.	Annual Overhaul	17/07/2022
MSPGCL	Ghatghar Unit-2	125	18/06/2022	10:00		Continued.	for Hydraulic Intake Gate Work	07/07/2022
MSPGCL	Uran Unit B0	120	24/06/2022	06:28		Continued.	Excitation channel fault(Converted to Gas Shortage from 26-06-22)	
MSPGCL	Uran Unit 8	108	24/06/2022	15:33		Continued.	Gas shortage	
IPP	RPL(AMT) U-3	270	30/06/2022	15:00		Continued.	Coal Shortage	07/07/2022
IPP	JSW (J) U4	300	01/07/2022	13:03		Continued.	Turbine bearing Vabration high	10/07/2022
IPP	SWPGPL U-1	135	04/07/2022	02:38		Continued.	PA Fan problem	08/07/2022
TPC-G	Trombay 5	500	05/07/2022	02:25	07/07/2022	08:54	condenser cooling water inlet line leakage	09/07/2022
MSPGCL	Uran Unit 6	108	06/07/2022	17:51		Continued.	Gas shortage	
MSPGCL	Koyna STG-IV Unit-1	250	06/07/2022	18:30		Continued.	Governor problem	16/07/2022
TPC-G	Trombay 7A	120	07/07/2022	01:09		Continued.	Gas shortage	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 07/Jul/2022

Position as on 6.30 Hrs of 08/Jul/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
TPC-G	Trombay 7B	60	07/07/2022	01:21		Continued.	Gas shortage	
MSPGCL	Koyna Unit 4	70	07/07/2022	07:35	07/07/2022	20:20	Preventive Maintenance Work	07/07/2022
MSPGCL	Khaparkheda Unit 3	210	07/07/2022	13:03		Continued.	Boiler Tube Leakage	10/07/2022
MSPGCL	Khaparkheda Unit 5	500	07/07/2022	13:22	07/07/2022	15:47	Generator Protection operated	09/07/2022
MSPGCL	Koradi Unit 9	660	07/07/2022	13:54		Continued.	Boiler Tube Leakage	10/07/2022

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/Jul/2022

Statement-VII

Position as on 6.30 Hrs of 08/Jul/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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
MAIN BAY (431) OF 167 MVA SPARE ICT @ KORADI II	IntraState	16/06/2022	11:23			PO	1) Premonsoon maintenance work& 2) Routine Bay Maintenance.
400 KV LINE Outages/Trippings							
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	30/06/2022	07:24			HT	H/T FOR CONTROLLING LINE LOADING
JEJURI- KOYNA STAGE-IV	IntraState	06/07/2022	21:03	07/07/2022	03:16	PO	Attending CB problem
KHADKA - BABLESHWAR	IntraState	07/07/2022	09:10	07/07/2022	14:59	PO	Chemical Cleaning of Insulator string and Routine Line maintenance work, CT Tan D
125 MVAr BUS REACTOR @ ALKUD	IntraState	07/07/2022	10:45	07/07/2022	14:54	PO	Quarterly Maintenance & Diagnostic testing Work
400 KV ICT Outages/Trippings							
400/220/33 KV 315 MVA ICT - 2 @ KORADI	IntraState	07/07/2022	09:42	07/07/2022	20:35	PO	Civil foundation excavation work for new 400kv ICT-2 HV CB is in progress. During excavation work hard rock found below the ground level, hurdle for all three foundations for R,Y,B ph poles for new CB, hence need to be deployed big poclain JCB for removal of hard rock.
400/220/33KV 315MVA ICT - 3 @ LONIKAND	IntraState	07/07/2022	11:10			PO	ICT-3 LV (220kV Side) CB Mechanism O/H work
400/220/33 KV 315 MVA ICT - 2 @ WALUJ	IntraState	07/07/2022	11:35	07/07/2022	16:34	EO	DC Leakage observed in Fire Detector Box. Cable Short due to water seepage.
400/220/33 KV 315 MVA ICT - 1 @ CHANDRAPUR	IntraState	07/07/2022	15:23	07/07/2022	19:17	EO	"Attending hot spot (150 Degree Celsius) on 220KV B Phase CT Clamp ICT-1 bay 220KV side at 400 / 220KV S/stn. GCR, MSETCL,Chandrapur on dt.- 07.07.2022.Photo is attached herewith. "
220 KV LINE Outages/Trippings							
EKLAHARA(GCR)(NASIK)-BABLESHWAR 2	IntraState	27/04/2022	12:21			EO	Shifting of 220kv GCR-BBLR-2 line on 220kv TBC bay.
NERLE - DASGAON	IntraState	07/07/2022	07:38	07/07/2022	10:49	EO	Attending Y pH bus isolator hotspot work of Nerale bay
CHAKAN (400KV) - VOLKSWAGEN	IntraState	07/07/2022	10:26	07/07/2022	20:57	PO	SCADA Trial and Commissioning work & protection wiring and protction tarils needs to be checked at Volkswagan SS
MALHARPETH SATARA MIDC	IntraState	07/07/2022	11:23	07/07/2022	14:12	EO	For commissioning of 220kv SF6 CB and taking all testing trials through relay
LONIKAND1-LONIKAND2 (INTER CONNECTOR)	IntraState	07/07/2022	11:43	07/07/2022	14:54	PO	DT & Bay Maintenance
KARAD - DASGAON	IntraState	07/07/2022	11:45	07/07/2022	12:52	PO	For replacement of TSR
MALEGAON - KALWAN CKT-1	IntraState	07/07/2022	13:32	07/07/2022	18:05	PO	For relay testing & SCADA upgrading Work
TROMBAY - KALWA	IntraState	07/07/2022	14:50	07/07/2022	18:38	EO	To remove 2000A B-Ph Wave Trap of Trombay-Kalwa line for utilisation at 220KV Boisar ss for PGCIL-1 bay for upgrading its WT capacity as the Boisar-PGCIL-1 line is having HTLS conductor with 1600A capacity.

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Tripping for 07/Jul/2022

Statement-VII

Position as on 6.30 Hrs of 08/Jul/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
MAIN BUS SECTION - 1 @ PEDAMBE	IntraState	07/07/2022	15:36	07/07/2022	19:30	EO	220 KV KALMBANI LINE Y PHASE MAIN BUS ISOLATOR TO MAIN BUS CONDUCTOR FOUND BROKEN AND HANGING POSITION NEED TO BE REPLACE.
LONIKAND 2 - VSNL	IntraState	07/07/2022	16:21	07/07/2022	17:51	PO	For R phase insulator string (SSN) replacement work at location no 07.
KARAD -MUDSHINGI CKT 2-TAK	IntraState	07/07/2022	20:02	07/07/2022	23:24	T	Distance Protection
220 KV ICT Outages/Tripping							
220 / 110 / 22kv 250 MVA ICT 1 @ SALSETTE	IntraState	12/10/2020	11:35			T	Tripped due to Grid disturbance.
220/22 KV 50 MVA PTR 1 @ KANDALGAON	IntraState	14/12/2021	16:55			EO	For dismantling said 50MVA T/f 1 at 220 kV K'gaon S/s
220/132 KV 200MVA ICT NO 2 @ THEUR	IntraState	07/07/2022	09:35	07/07/2022	19:26	PO	ICT-2 LV bay stringing work
220/132 KV 100 MVA ICT - 1 @ ALEPHATA	IntraState	07/07/2022	10:12	07/07/2022	14:49	PO	For CT Tan Delta measurment & general maintenance work
220/132-110 KV 200MVA ICT - 3 @ OGLEWADI	IntraState	07/07/2022	10:33	07/07/2022	13:51	PO	220kV Siemens make CB overhauling work
250 MVA ICT-5 @ TROMBAY	IntraState	07/07/2022	11:20			PO	Protection relay replacement work, Devices relay replacement and Isolator replacement Oil leakage arresting, Conservator painting
250 MVA ICT-5 @ TROMBAY	IntraState	07/07/2022	11:20			PO	Relay and isolator replacement work at TATA Trombay
110 KV LINE Outages/Tripping							
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.
WAGHIVALI - CHEMBUR	IntraState	04/02/2022	10:30			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 shifting these lines on new Multicircuit Towers between Darave to Vashi.
WAGHIVALI - MANKHURD	IntraState	04/02/2022	10:30			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 shifting these lines on new Multicircuit Towers between Darave to Vashi.

