

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/May/2023 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	165.289	3445.813	1) Gujrat	-3.928	-75.699
2) Hydro	22.096	445.879	2) Madhya Pradesh	7.640	146.699
3) Gas	2.782	110.936	3) Chattisgarh	5.890	112.610
Total MSPGCL	190.167	4002.628	4) Maharashtra	205.054	4245.974
B) 1) APML	69.290	1144.581	5) Goa (Amona)	-0.976	-27.317
2) JSWEL	22.426	436.966	Total	213.680	4402.267
3) VIPL	0.000	0.000	a) Mumbai Schedule	35.487	813.305
4) RPL(AMT)	23.545	506.066	b) Mumbai Drawl	38.794	894.567
5) SWPGPL	10.555	207.671	c) MSEDCL Bilateral *	102.689	2005.640
6) Other IPP	9.168	226.775	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	35.487	813.216
C) 1) TPCL Thermal	12.243	244.753	Include PX	0.000	0.000
2) TPCL Hydro	2.666	96.151	Standby	0.000	0.089
3) TPCL Gas	1.364	46.846	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.713	212.198	1) MSEDCL	526.538	10517.461
D) STATE			2) Mumbai Discoms	64.780	1494.515
1) Thermal	322.229	6424.823	3) Other Discoms	9.272	215.793
(A1+C1+C4+(B1-B6))			TOTAL STATE	600.590	12227.769
2) Hydro	24.762	542.030			
(A2+C2)					
3) Gas	4.146	157.782			
(A3+B7+C3)					
4) Wind	19.588	369.420			
6) SOLAR	16.185	331.447			
TOTAL STATE	386.910	7825.502			

* 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 15 Hrs	C. Evening Peak at 21 Hrs	D. Night Minimum at 8 Hrs
MSPGCL Thermal	6872	6908	7076	7014
MSPGCL Hydro	270	148	904	658
MSPGCL Gas	114	116	130	117
MSPGCL Total Generation	7256	7172	8110	7790
Central Sector Receipt	9801	10108	7779	8283
WIND	412	549	1113	481
CPP / IPP Thermal	5130	5591	6183	5447
CPP / IPP Gas	0	0	0	0
SOLAR	2224	1692	0	637
Exchange with Mumbai	-1892	-2033	-1674	-1181
MSEDCL DEMAND MET	22530	22711	21101	21053
Load Shedding	0	0	0	0
MSEDCL DEMAND	22530	22711	21101	21053
TPCL GENERATION	468	462	734	706
AEML GENERATION	298	300	399	500
MUMBAI DEMAND	2658	2795	2807	2387
OTHER DISCOM DEMAND	401	367	411	404
STATE DEMAND MET	25590	25874	24318	23844
STATE DEMAND	25590	25874	24318	23844
Frequency (Hz)	49.89	50.00	49.94	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.19 Hz at 18.16 Hrs	49.8 Hz at 11.24 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 21/May/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.06	90.50	185	130
Unit 8	13.68	230.26	597	515
Unit 9	13.30	263.25	587	458
Unit 10	12.44	185.72	566	439
Total	43.47	769.73		
Bhusawal				
Unit 3	3.57	70.95	155	135
Unit 4	9.34	166.72	405	370
Unit 5	10.07	214.80	435	405
Total	22.98	452.48		
Parli				
Unit 6	0.00	80.89	0	0
Unit 7	4.45	82.99	241	119
Unit 8	4.23	97.90	194	152
Total	8.68	261.78		
Chandrapur				
Unit 3	3.34	75.57	151	120
Unit 4	3.65	65.80	159	147
Unit 5	9.28	162.84	410	299
Unit 6	9.44	192.34	410	370
Unit 7	9.91	194.51	435	376
Unit 8	11.59	196.78	497	452
Unit 9	11.00	227.98	490	438
Total	58.22	1115.82		
Paras				
Unit 3	5.23	99.86	245	203
Unit 4	5.24	104.57	240	171
Total	10.47	204.43		
Khaparkheda				
Unit 1	2.84	63.12	135	95
Unit 2	2.59	62.49	120	70
Unit 3	4.15	83.49	184	130
Unit 4	4.01	82.83	186	131
Unit 5	0.00	187.50	0	0
Total	13.59	479.43		
Nasik				
Unit 3	0.00	25.27	0	0
Unit 4	4.13	84.65	181	155
Unit 5	3.75	52.22	168	48
Total	7.88	162.14		
Uran				
All Units	2.78	110.94	130	90
Total	2.78	110.94		
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)	0.05	0.46	23	0
Total	0.05	0.46		
Koyna				
Stage 1-2	5.11	94.28	530	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	8.91	201.46	1015	0
Stage 3	3.94	65.52	320	0
Total	17.96	361.26		
Hydro				
KDPH	0.61	14.29	26	26
VTRNA	1.11	21.53	60	0
TILLARI	0.00	0.39	0	0
BHIRA T.R.	0.37	5.74	77	0
SMLHY_PTN	1.99	42.20	84	81
GHATGHAR	0.00	0.00	0	0
Total	4.08	84.15		
Wind				
Total	19.59	369.42	0	0
Total	19.59	369.42		
CPP				
APML(Mus)	69.29	1144.58	0	0
JSWEL(Mus)	22.43	436.97	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	23.54	506.07	0	0
SWPGPL-Mus	10.56	207.67	0	0
Dhariwal	0.00	16.14	0	0
IEPL	5.46	107.20	269	197
Other(Mus)	3.71	103.43	0	0
Total	134.98	2522.06		
SOLAR				
Total	16.18	331.45	0	0
Total	16.18	331.45		
Tata				
Trombay 5	8.02	159.38	440	269
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.13	27.60	112	0
Trombay 7B	0.23	19.25	66	0
TATA Hydro	2.67	96.15	282	37
Trombay 8	4.22	85.37	237	130
Total	16.27	387.75		
AEML				
DTPS U-1&2	9.71	212.20	501	289
Total	9.71	212.20		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	165.29	3445.81	MSPGCL Total	190.17	4002.63
			MSPGCL Thml+Gas	168.07	3556.75	Koyna 1,2 & 4 Total	14.02	295.74
			MSPGCL Hydro	22.10	445.88	State Total	386.91	7825.50

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/May/2023

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	Load Shedding		MSEDC L DEM. WITH LS	MUMBAI DEMAND	OTHER DISCOM DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS						Planned	*Transmission Constraint					
1	6568	2000	117	8684	1065	6165	0	0	8708	8952	-1466	23028	508	25	23536	3033	373	26942	50.00
2	6741	2018	119	8878	1157	6102	0	0	8606	8541	-1352	22994	61	2	23055	2863	331	26250	50.02
3	6829	2008	120	8958	1137	5997	0	0	8237	8413	-1351	22830	0	0	22830	2700	323	25854	50.02
4	6885	2018	121	9024	930	5604	0	0	8571	8559	-1563	22232	0	0	22232	2567	323	25122	49.95
5	6955	1910	120	8986	884	5671	0	0	8949	8953	-1360	22789	0	1	22789	2501	344	25634	49.97
6	6960	1684	121	8764	698	5533	0	0	9422	9151	-1247	22545	0	20	22545	2473	354	25372	49.99
7	7043	966	119	8128	577	5570	0	161	9053	8803	-1197	21664	0	0	21664	2392	377	24434	50.01
8	7014	658	117	7790	481	5447	0	637	8712	8283	-1181	21053	0	1	21053	2387	404	23844	50.01
9	6779	444	113	7336	421	4824	0	1220	9127	8798	-1229	20960	0	2	20960	2441	409	23810	50.06
10	6651	552	115	7318	423	4747	0	1738	9392	9263	-1399	21701	0	3	21701	2505	390	24596	49.98
11	6848	474	115	7438	350	4465	0	2057	9785	9738	-1815	21838	0	2	21838	2587	395	24820	49.94
12	6872	270	114	7256	412	5130	0	2224	9796	9801	-1892	22530	0	2	22530	2658	401	25590	49.89
13	6844	232	114	7190	379	5313	0	2143	9816	9628	-1966	22281	0	3	22281	2714	406	25402	49.94
14	6813	208	114	7134	449	5293	0	1856	9976	9849	-1955	22257	0	0	22257	2722	369	25348	49.99
15	6908	148	116	7172	549	5591	0	1692	10291	10108	-2033	22711	0	0	22711	2795	367	25874	50.00
16	6900	148	116	7164	730	5610	0	1249	10465	10299	-2074	22586	0	0	22586	2865	392	25842	50.01
17	6825	164	114	7104	950	5581	0	806	9975	9520	-1972	21578	0	0	21578	2813	410	24801	50.04
18	6877	206	115	7198	1145	5423	0	353	9481	9216	-1856	21049	0	0	21049	2711	431	24190	50.00
19	6919	378	116	7414	1282	5570	0	49	9001	8729	-1797	20801	0	0	20801	2653	445	23900	50.06
20	7043	704	118	7866	1154	6174	0	0	8268	8066	-1712	21137	0	0	21137	2743	410	24290	49.99
21	7076	904	130	8110	1113	6183	0	0	7973	7779	-1674	21101	0	0	21101	2807	411	24318	49.94
22	7033	694	127	7854	1020	6307	0	0	7750	7802	-1587	20989	0	0	20989	2861	407	24256	49.96
23	6960	1446	90	8496	1177	6336	0	0	7755	7655	-1554	21704	0	0	21704	2935	405	25044	49.97
24	6946	1860	101	8908	1105	6348	0	0	7692	7774	-1562	22178	0	0	22178	3054	394	25626	49.99
MUs	165.29	22.10	2.78	190.17	19.59	134.98	0.00	16.19	216.80	213.68	-38.79	526.54	0.57	0.06	527.11	64.78	9.27	601.16	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.

*Load Shedding due to Transmission Constraint :-

1)LTS operated due to overloading of 220kv jejuri-Ionand line. 2)Conductor size of 110kv tembhur line is 0.1 & Overload setting of said line at 220kv Ogalewadi s/s is 300Amps. To avoid overload tripping, DLS is carried out.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 21/May/2023

Position as on 6.30 Hrs of 22/May/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Uran Unit 7	108	18/05/2023	18:14	21/05/2023	20:17	Gas shortage	
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	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.	01/04/2024
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.	01/05/2024
MSPGCL	Ghatghar Unit-1	125	20/04/2022	00:35		Continued.	Stator Earth Fault	31/07/2023
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	30/05/2023
MSPGCL	Uran Unit 5	108	12/11/2022	13:23		Continued.	Material replacement work.	01/03/2024
MSPGCL	Ghatghar Unit-2	125	08/02/2023	07:02		Continued.	Stator Earth Fault	01/06/2023
MSPGCL	Uran Unit 6	108	10/05/2023	02:00		Continued.	Zero Schedule.	
IPP	RPL(AMT) U-2	270	16/05/2023	23:00		Continued.	Ash Evacuation Problem.	22/05/2023
TPC-G	Trombay 7B	60	18/05/2023	00:15		Continued.	Gas shortage	
MSPGCL	Parli Unit 6	250	19/05/2023	07:40		Continued.	Boiler Tube Leakage	22/05/2023
MSPGCL	Khaparkheda Unit 5	500	19/05/2023	22:20		Continued.	Boiler Tube Leakage	24/05/2023
MSPGCL	Nasik Unit 3	210	20/05/2023	08:45	20/05/2023	Continued.	Boiler Tube Leakage	23/05/2023
MSPGCL	Koyna Unit 10	80	20/05/2023	17:45	21/05/2023	00:05	Gen. motorize cooling water valve problem	
MSPGCL	Uran Unit B0	120	21/05/2023	21:31	22/05/2023	00:27	Turbine bearing Vabration high	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/May/2023

Statement-VII

Position as on 6.30 Hrs of 22/May/2023

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							
MAIN BAY (405) OF KHADKA CKT - 1 @ DEEPNAGAR	IntraState	18/05/2023	17:16			PO	For servicing & overhauling of 400kV AREVA make KDK CKT-1 Main C.B. Mechanism
400 KV LINE Outages/Trippings							
TALANDGE - KOLHAPUR (PG) CKT - 2	InterState	20/03/2023	07:49			PO	For reconductoring of Moose conductor with HTLS conductor for sytem improvement. AR to be kept in non Auto mode for 400KV-KOLHAPUR-MS-KOLHAPUR GIS -1
DHULE - SSNNL CKT - 2	InterState	20/05/2023	22:21	21/05/2023	11:10	T	TRIPPED ON OVER VOLTAGE
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	03/04/2023	11:30	21/05/2023	18:33	HT	H/T TO CONTROL LINE LOADING OF PUNE PG
CHANDRAPUR 2 - KUMBHARGAON(NANDED) CKT - 2	IntraState	21/05/2023	07:15	21/05/2023	18:01	PO	Replacement of faulty disc insulator found in PID testing
THAPTI TANDA - AURANGABAD (WALUJ)	IntraState	21/05/2023	10:12	21/05/2023	20:57	PO	Disc insulator replacement work, Annual maintenance work
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	21/05/2023	20:05			HT	HT for Load Management
400 KV ICT Outages/Trippings							
STATION TF No 3 @ CHANDRAPUR GCR	IntraState	01/03/2023	15:07			PO	1) Oil filtration work 2) Testing of Station transformer 3) Preventive maintenance work.
400/220 KV 500 MVA ICT @ ALKUD	IntraState	20/05/2023	18:59			EO	To attend hot spot at 204-89D Isolator
220 KV TBC Outages/Trippings							
BUS COUPLER @ BACKBAY	IntraState	21/05/2023	10:08	21/05/2023	20:32	PO	Protection panel replacement
220 KV LINE Outages/Trippings							
EKLAHARE (OCR) - NAVASARI CKT - 1	IntraState	10/02/2023	09:45			PO	Breaker overhauling work. (RFC AT 21:23 HRS DT.10/02/2023 AND KEPT OPENED FOR LOAD MANAGEMENT)
EKLAHARE (OCR) - PADGHE	IntraState	05/03/2023	08:55			HT	For load management
KARAD - DASGAON	IntraState	16/05/2023	10:40			PO	For erection & stringing of In line narrow base multi circuit tower (Loc No.145) of new 220kV Karad -Koyana line.
KALWA - PANCHANAND	IntraState	20/05/2023	17:20	21/05/2023	21:33	PO	String of conductor on newly erected 3 nos. of Tower between Loc no. 676 to 680 and de-stringing of said line from ERS towers.
AURANGABAD (WALUJ)-BHENDA	IntraState	20/05/2023	18:24			EO	Removing of the plastic sheet found stick on the B phase oif loc no 78 . at the time of rain these plastic sheet will come in contact with the live line and earth thus tripping of the line .
INFOSYS - PEGASUS	IntraState	20/05/2023	18:24	21/05/2023	16:24	EO	1)Providing new joint to damaged cable at Rph between JB location 2 & 3 of 220 kV Pegasus- Infosys line.
BUS COUPLER @ AAREY	IntraState	21/05/2023	00:24	21/05/2023	01:54	PO	Charging of 100MVA Transformer-1 on new GIS Bus Bay no 20.
MAIN BUS - 1 @ AAREY	IntraState	21/05/2023	00:24	21/05/2023	01:54	PO	Charging of 100MVA Transformer-1 on new GIS Bus Bay no 20.
BOISAR II - BOISAR (PG) CKT - 2	IntraState	21/05/2023	00:32	22/05/2023	09:26	PO	For stringing of HTLS conductor of railway crossing for loc No. 1-3 for which railway block approval is obtained.

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/May/2023

Statement-VII

Position as on 6.30 Hrs of 22/May/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
SONKHAR - TROMBAY	IntraState	21/05/2023	04:15	21/05/2023	09:58	PO	1) Outage is required by Kharghar-Vilkhroli Transmission Ltd for Outage required for preparatory work of stringing works for Power Line Overhead Crossing between AP 56- AP 57 for construction of 400 kV Kharghar Vikhroli T/L from 05:00 Hrs to 08:00 Hrs. 2) In opportunity following work is proposed at 220KV Sonkhar S/stn from 05:00 Hrs to 11:00 Hrs: 1] Faulty backup relay replacement, 2] Wave Trap replacement 3] Alignment of isolator & replacement of earth isolator gearbox & 4] RM work.
CHEMBUR (AEML) - NERUL (M)	IntraState	21/05/2023	05:12	21/05/2023	08:14	PO	Outage is required by Kharghar-Vilkhroli Transmission Ltd for Outage required for preparatory work of stringing works for Power Line Overhead Crossing between AP 56- AP 57 for construction of 400 kV Kharghar Vikhroli T/L .
THEUR- MAGAR PATTI CITY	IntraState	21/05/2023	10:30	21/05/2023	17:06	PO	1) Nut bolt tightening work at L.No. 39 2) Double jumpering work at L.No 39 (B-phase) due to hotspot-73 degree (Which attended by Hotline), however, temperature do not decreased/down
MIRAJ - ICHALKARANJJI	IntraState	21/05/2023	17:23			PO	Erection of 1oc.no.26A(D+3), conductor shifting & old conductor dismantling of loc.no.26,27 & conductor restringing work at loc.no.26A-28A.
TALANDGE - HAMIDWADA	IntraState	22/05/2023	05:56	22/05/2023	08:07	PO	Attending Hot Spot at location No.45
APTA - TAMBATI	IntraState	22/05/2023	06:59			PO	"Routine line maintenance work."
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 / 110 / 22kV 250 MVA ICT 2 @ SALSETTE	IntraState	10/11/2022	10:35			EO	For attending to abnormal Nosie from ICT
220/132kV 100MVA ICT - 2 @ KALWAN	IntraState	22/05/2023	08:55			PO	For Pre monsoon maintenance work
132 KV LINE Outages/Trippings							
RISOD-YELDARI	IntraState	20/04/2023	17:57			HT	TO CONTROL LOADING ON RISOD - MALEGAON CKT
SOLAPUR 2(BALE)-NALDURG	IntraState	21/05/2023	16:08	21/05/2023	19:46	PO	fixing of bird diverters
110 KV LINE Outages/Trippings							
SALSETTE POWAI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.
KALYAN KALWA SALSETTE 1	IntraState	22/05/2023	06:18			PO	Project Work - Opening of loop at loc. 74 towards Kalyan end
110 KV BR Outages/Trippings							
110KV GROUP BREAKER-2 @ TROMBAY	IntraState	22/05/2023	03:43	22/05/2023	03:54	PO	110 KV BUS OUTAGE AT TROMBAY

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