

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	170.160	3366.814	1) Gujrat	-0.547	-39.889
2) Hydro	7.534	272.415	2) Madhya Pradesh	10.676	125.770
3) Gas	5.020	102.398	3) Chattisgarh	3.430	63.530
Total MSPGCL	182.714	3741.627	4) Maharashtra	223.163	4402.325
B) 1) APMIL	75.145	1428.085	5) Goa (Amona)	-1.194	-29.037
2) JSWEL	22.732	502.303	Total	235.528	4522.699
3) VIPL	0.000	0.000	a) Mumbai Schedule	45.328	905.328
4) RPL(AMT)	20.414	564.052	b) Mumbai Drawl	48.809	992.595
5) SWPGPL	10.717	221.057	c) MSEDCL Bilateral *	145.159	2524.026
6) Other IPP	7.140	116.402	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	45.291	905.104
C) 1) TPCL Thermal	12.409	266.784	Include PX	0.000	0.000
2) TPCL Hydro	4.683	113.207	Standby	0.037	0.224
3) TPCL Gas	1.907	37.923	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.919	195.800	1) MSEDCL	543.840	11002.644
D) STATE			2) Mumbai Discoms	77.727	1606.309
1) Thermal	328.636	6661.297	3) Other Discoms	10.766	224.168
(A1+C1+C4+(B1-B6))			TOTAL STATE	632.333	12833.121
2) Hydro	12.217	385.622			
3) Gas	6.927	140.321			
4) Wind	34.626	785.123			
6) SOLAR	14.399	338.059			
TOTAL STATE	396.805	8310.422			

* 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 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	7067	7146	7115	7192
MSPGCL Hydro	228	226	319	278
MSPGCL Gas	198	197	209	217
MSPGCL Total Generation	7493	7569	7643	7687
Central Sector Receipt	11049	11671	8861	9304
WIND	739	1306	2243	1403
CPP / IPP Thermal	5428	5389	5918	5805
CPP / IPP Gas	0	0	0	0
SOLAR	1911	1154	0	0
Exchange with Mumbai	-2564	-2371	-1908	-1727
MSEDCL DEMAND MET	23574	24232	22247	22128
Load Shedding	0	0	0	0
MSEDCL DEMAND	23574	24232	22247	22128
TPCL GENERATION	656	959	1012	569
AEML GENERATION	471	498	414	313
MUMBAI DEMAND	3691	3828	3334	2609
OTHER DISCOM DEMAND	482	486	510	344
STATE DEMAND MET	27747	28546	26091	25081
STATE DEMAND	27747	28546	26091	25081
Frequency (Hz)	49.95	50.03	49.95	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.17 Hz at 00:01 Hrs	49.76 Hz at 14:12 Hrs	49.98	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/Jun/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.58	97.46	200	170
Unit 8	13.64	214.92	610	515
Unit 9	13.42	197.54	590	521
Unit 10	12.06	269.21	535	413
Total	43.69	779.13		
Bhusawal				
Unit 3	3.34	50.02	145	130
Unit 4	10.90	214.02	480	420
Unit 5	11.62	228.40	495	465
Total	25.86	492.44		
Parli				
Unit 6	2.84	96.59	245	0
Unit 7	5.01	98.28	245	155
Unit 8	0.00	71.84	0	0
Total	7.86	266.70		
Chandrapur				
Unit 3	3.77	63.48	164	145
Unit 4	3.63	64.64	155	135
Unit 5	0.00	0.00	0	0
Unit 6	8.76	168.41	409	250
Unit 7	9.62	191.62	417	354
Unit 8	11.71	231.32	501	475
Unit 9	11.46	235.97	500	454
Total	48.95	955.44		
Paras				
Unit 3	4.92	102.80	219	196
Unit 4	5.18	87.57	221	201
Total	10.10	190.37		
Khaparkheda				
Unit 1	2.54	58.98	125	90
Unit 2	3.09	60.56	136	115
Unit 3	4.27	73.94	185	156
Unit 4	4.42	82.88	191	153
Unit 5	11.34	229.42	475	470
Total	25.66	505.78		
Nasik				
Unit 3	0.00	10.09	0	0
Unit 4	4.13	84.40	179	154
Unit 5	3.92	82.46	171	146
Total	8.04	176.95		
Uran				
All Units	5.02	102.40	221	197
Total	5.02	102.40		
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)	0.02	2.03	17	0
Total	0.02	2.03		
Koyna				
Stage 1-2	1.70	68.27	340	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.00	81.22	0	0
Stage 3	0.36	34.43	108	0
Total	2.06	183.92		
Hydro				
KDPH	0.17	6.01	8	0
VTRNA	1.17	23.84	61	0
TILLARI	1.08	2.66	58	0
BHIRA T.R.	0.22	6.67	70	0
SMLHY_PTN	2.81	44.80	121	111
GHATGHAR	0.00	2.50	0	0
Total	5.45	86.46		
Wind				
Total	34.63	785.12	0	0
Total	34.63	785.12		
CPP				
APML(Mus)	75.14	1428.08	0	0
JSWEL(Mus)	22.73	502.30	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	20.41	564.05	0	0
SWPGPL-Mus	10.72	221.06	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.31	71.21	270	192
Other(Mus)	1.83	45.19	0	0
Total	136.15	2831.90		
SOLAR				
Total	14.40	338.06	0	0
Total	14.40	338.06		
Tata				
Trombay 5	8.24	175.01	434	265
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.03	20.98	55	37
Trombay 7B	0.88	16.94	44	32
TATA Hydro	4.68	113.21	433	18
Trombay 8	4.17	91.78	236	62
Total	19.00	417.91		
AEML				
DTPS U-1&2	9.92	195.80	500	287
Total	9.92	195.80		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	170.16	3366.81	MSPGCL Total	182.71	3741.63
			MSPGCL Thml+Gas	175.18	3469.21	Koyna 1,2 & 4 Total	1.70	149.49
			MSPGCL Hydro	7.53	272.42	State Total	396.80	8310.42

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/Jun/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	7140	281	215	7636	1888	6019	0	0	8429	8257	-1672	21731	255	0	21986	3188	397	25571	50.04
2	7056	295	217	7568	1698	6008	0	0	8856	8967	-1594	22284	0	0	22284	2937	363	25584	49.99
3	7064	283	215	7562	1551	5896	0	0	9238	9205	-1713	22158	0	0	22158	2739	343	25240	50.00
4	7192	278	217	7687	1403	5805	0	0	9355	9304	-1727	22128	0	0	22128	2609	344	25081	49.98
5	7171	277	216	7664	1346	5775	0	0	9738	9825	-1639	22604	0	0	22604	2557	367	25528	49.99
6	7104	303	218	7625	1126	5784	0	2	10242	10365	-1609	22907	0	0	22907	2515	386	25808	49.90
7	7113	400	221	7734	969	5706	0	147	10452	10522	-1757	22887	0	4	22887	2589	434	25910	49.94
8	7132	306	215	7653	873	5448	0	528	10273	10191	-1945	22295	0	5	22295	2744	453	25492	49.99
9	7154	274	212	7640	952	5453	0	1085	9794	9989	-2191	22470	0	11	22470	3038	458	25966	50.03
10	7096	326	208	7630	921	5360	0	1512	10240	10020	-2282	22695	0	0	22695	3378	466	26539	49.98
11	6875	267	207	7349	820	5056	0	1831	10793	11106	-2484	23199	0	1	23199	3599	479	27277	49.98
12	7067	228	198	7493	739	5428	0	1911	10992	11049	-2564	23574	0	7	23574	3691	482	27747	49.95
13	7086	187	198	7471	791	5307	0	1818	11056	11060	-2454	23513	0	11	23513	3672	480	27665	49.92
14	7148	229	199	7576	907	5305	0	1641	10559	10836	-2381	23422	0	8	23422	3617	462	27501	49.93
15	7123	221	199	7543	942	5322	0	1485	11372	11561	-2423	23948	0	9	23948	3753	482	28183	49.93
16	7146	226	197	7569	1306	5389	0	1154	11366	11671	-2371	24232	0	7	24232	3828	486	28546	50.03
17	7039	252	199	7490	1599	5348	0	818	10999	10899	-2320	23335	0	0	23335	3759	499	27593	49.99
18	6941	284	202	7427	2001	5468	0	403	10321	9971	-2469	22290	0	0	22290	3577	511	26378	50.01
19	7094	336	204	7634	2157	5612	0	64	9190	8628	-2243	21336	0	0	21336	3397	516	25249	49.98
20	7115	319	209	7643	2243	5918	0	0	9057	8861	-1908	22247	0	0	22247	3334	510	26091	49.95
21	7083	533	213	7829	2214	6071	0	0	8210	8158	-1813	21967	79	0	22046	3295	492	25833	49.99
22	7108	368	211	7687	2199	6187	0	0	8140	7939	-1643	21901	0	0	21901	3245	468	25614	50.01
23	7108	403	215	7726	2088	6226	0	0	8667	8616	-1746	22451	0	0	22451	3307	459	26217	50.02
24	7005	658	215	7878	1893	6257	0	0	8168	8528	-1861	22266	0	0	22266	3359	429	26054	50.05
MUs	170.16	7.53	5.02	182.71	34.63	136.15	0.00	14.40	235.51	235.53	-48.81	543.84	0.33	0.06	544.17	77.73	10.77	632.67	49.98

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)132kv BBLR to Rahuri line overload capacity 482Amp 2)due to overloading 220kv Lonand-Jejuri line.

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

Position as on 6.30 Hrs of 22/Jun/2023

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	13/06/2023	00:01		Continued.	Annual Overhaul	04/08/2023
MSPGCL	Parli Unit 8	250	18/06/2023	23:55		Continued.	Annual Overhaul	15/07/2023
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	23/07/2023
MSPGCL	Uran Unit 5	108	12/11/2022	13:23		Continued.	Material replacement work.	01/03/2024
MSPGCL	Chandrapur Unit 5	500	22/05/2023	19:00		Continued.	Stator Earth Fault	27/06/2023
MSPGCL	Uran Unit 6	108	01/06/2023	19:57		Continued.	No Schedule	
MSPGCL	Koyana STG-IV Unit-1	250	05/06/2023	16:30		Continued.	The KGSC Stg-4 Unit No-1(250MW) not available due to foreign material impact at Guide vane no 4	18/09/2023
MSPGCL	Nasik Unit 3	210	08/06/2023	11:40		Continued.	Tolling Agreement with IEPL synchronised at 9:19 Hrs	
IPP	RPL(AMT) U-5	270	16/06/2023	06:45	21/06/2023	18:22	Ash Conveyer problem	21/06/2023
MSPGCL	Parli Unit 6	250	21/06/2023	20:17		Continued.	Electrical Protection Operated	
TPC_G	Trombay 8	250	21/06/2023	23:35		Continued.	Due to RAPH issue	

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

Statement-VII

Position as on 6.30 Hrs of 22/Jun/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 (412) OF EKTUNI CKT - 2 @ TAPTITANDA	IntraState	19/06/2023	12:33	21/06/2023	17:19	PO	Circuit Breaker Overhauling by M/s CGL
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
KORADI - SATPUR	InterState	22/06/2023	09:14			HT	Replacement old ABT meter by new energy meter
KHADKA- DEEPNAGAR CKT 2	IntraState	25/05/2023	10:02			PO	Servicing &overhauling of 400kv areva make kdk ckt-2 main c.b. mechanism.
TBC 2 @ CHANDRAPUR	IntraState	12/06/2023	08:48			PO	Replacement of problematic old BHEL make 400kV quad break CB of TBC-2 bay with new siemens ltd make 400kV Quad CB.
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	14/06/2023	12:55			HT	TO CONTROL LINE LOADING
BUS COUPLER @ KARAD	IntraState	19/06/2023	10:11	21/06/2023	16:22	HT	Planned outage for relay panel shifting work
CHANDRAPUR-PARLI CKT-3	IntraState	21/06/2023	13:17	21/06/2023	19:10	PO	(1) Distance relay testing work. (2) Bay maintenance work. (3) Hardware tightning and fitting work.
CHANDRAPUR 2 - KUMBHARGAON(NANDED) CKT - 2	IntraState	22/06/2023	04:54	22/06/2023	06:10	T	Tripped from Nanded end only
KORADI - KHAPERKHEDA CKT - 1	IntraState	22/06/2023	06:48			PO	Breaker CRM, DCRM Timing test, CVT Tan delta testing & Isolator routine maintenance work.
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 500MVA ICT - 4 @ KALWA	IntraState	21/06/2023	11:20	21/06/2023	13:33	EO	For attending heavy sparking on 29A Isolator 220KV Side by shifting the LV side on TBC & LV side A-bus Jumper removing by hotline method.
400/220 KV 3X105 MVA ICT - 1 @ NAGOTHANE	IntraState	21/06/2023	12:06	21/06/2023	16:02	PO	PRE MANSOON MAINTENANCE WORK
400/220/33 KV 500MVA ICT - 1 @ KHAPARKHEDA	IntraState	22/06/2023	10:10			PO	Pre-Monsoon maintenaance
220 KV MAINBAY Outages/Trippings							
220 KV WANI - PANDHARKAWDA CKT I BAY (TEST CHARGED)	IntraState	02/06/2023	10:10			HT	For rectification of punch points of 220kv wani- pandharkawada line ph-i line.
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
GOREGAON - AAREY CKT - 2	IntraState	17/06/2023	18:14			PO	Shifting of existing 220kV AIS Bay no. 2 to New GIS Bay no. 19 under MERC approved Aarey 220kV AIS to GIS conversion project scheme.
CHIKHALI-JALNA I	IntraState	18/06/2023	08:24	22/06/2023	00:25	EO	Replacement of bend main 1st section leg of B type tower at Loc no.26.

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

Statement-VII

Position as on 6.30 Hrs of 22/Jun/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
CHIKHALI-JALNA II	IntraState	18/06/2023	08:24	22/06/2023	00:27	EO	Replacement of bend main 1st section leg of B type tower at Loc no.26.
KALWA - SALESETTE CKT - 5	IntraState	19/06/2023	09:37	21/06/2023	21:54	PO	Project work-Conductor stringing in span AP 12 - AP 13.
KALWA - SALESETTE CKT - 5	IntraState	19/06/2023	09:37			PO	OPGW stringing in span AP 12 - AP 13.
AAREY - AEML SAKI CKT - 2	IntraState	20/06/2023	20:13	21/06/2023	07:06	EO	Attending chattering sound from CB Cubicle of R-phase
HINGANGHAT - BHUGAON	IntraState	21/06/2023	07:20	21/06/2023	10:03	EO	To Attend the identified Hotspot at tower no.11, B phase.
PARANDA-BARSHI	IntraState	21/06/2023	09:45	21/06/2023	13:49	PO	Outage is required for Quarterly Maintenance
KHARGHAR - KHANDESHWAR CKT - 1	IntraState	21/06/2023	09:50	21/06/2023	19:14	PO	Tightning of conductor for Uran-Kharghar line at crossing location outage for Safety Purpose
KHARGHAR - KHANDESHWAR CKT - 2	IntraState	21/06/2023	09:59	21/06/2023	18:55	PO	Tightening of conductor for Uran-Kharghar line at crossing location outage for safety purposed
MAIN BUS @HALKARNI	IntraState	21/06/2023	10:14	21/06/2023	20:00	PO	220kv Busbar Relay, Diagnostic Testing of 220KV PT, Lines Distance relay testing and Q.M. work of bus.
YEOTMAL- PUSAD	IntraState	21/06/2023	10:44	21/06/2023	18:12	PO	Replacement of String on Y-ph SSN at Loc no.226
BADNERA - AMRAVATI	IntraState	21/06/2023	10:52	21/06/2023	14:51	PO	Distance & back up protection testing work by protection unit 2, Amravati.
220 KV BAMBHORI - DEEPNAGAR CKT	IntraState	21/06/2023	11:38	21/06/2023	13:05	PO	For attending Red Hotspot & replacement of TNC switch of C&R panel.
TROMBAY - KALWA	IntraState	21/06/2023	12:19	21/06/2023	15:19	T	Tripped on Distance Protection.
LAMBOTI - PANDHARPUR	IntraState	21/06/2023	16:07	21/06/2023	19:43	EO	Outage is required for String replacement Loc No. 404 R Ph & 407 Y Ph
GOREGAON - AAREY CKT - 1	IntraState	21/06/2023	16:45	21/06/2023	21:52	EO	Attending hotspot (150 Deg) LA termination Y-phase at CTT tower no VAB 20A
FLAGSHIP-CHINCHWAD	IntraState	22/06/2023	10:03			PO	1.Half yearly maintenance work 2.CRM measurement of EHV breaker 3.CT tanδ#948; measuremeant of 220kV CT
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
220/132 KV 200 MVA ICT 1	IntraState	21/06/2023	08:12	21/06/2023	10:33	PO	Pre-monsoon & routine maintenance work.
220/132-110 KV 100 MVA ICT 2	IntraState	21/06/2023	11:00			EO	Replacement of HV CB
220/132 KV 150 MVA ICT @ BOISAR-II	IntraState	21/06/2023	12:04			PO	Transformer oil filtration due to poor DGA result & Diagnostic testing.
220/132 KV 200 MVA ICT 2 @ BABHLESHWAR	IntraState	21/06/2023	17:00	21/06/2023	20:50	PO	Bay equipment maintenance work.
220/132 KV 200 MVA ICT 2 @ MALEGAON	IntraState	22/06/2023	10:03			PO	For Internal Inspection of ICT
132 KV LINE Outages/Trippings							
RISOD-YELDARI	IntraState	20/04/2023	17:57			HT	TO CONTROL LOADING ON RISOD - MALEGAON CKT
110 KV LINE Outages/Trippings							
SALSETTE POWAI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.

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

Statement-VII

Position as on 6.30 Hrs of 22/Jun/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
KARANJADE - WAGHIVALI CKT - 2	IntraState	21/06/2023	10:50	21/06/2023	12:40	PO	For Protection Testing

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