

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 29/Jun/2023 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	136.197	4568.998	1) Gujrat	-5.026	-65.854
2) Hydro	6.208	328.880	2) Madhya Pradesh	3.962	170.119
3) Gas	0.000	114.922	3) Chattisgarh	2.410	87.510
Total MSPGCL	142.405	5012.800	4) Maharashtra	153.518	5889.553
B) 1) APLM	50.238	1892.731	5) Goa (Amona)	-1.050	-38.365
2) JSWEL	16.194	660.169	Total	153.814	6042.963
3) VIPL	0.000	0.000	a) Mumbai Schedule	38.195	1234.475
4) RPL(AMT)	24.280	764.171	b) Mumbai Drawl	41.641	1346.282
5) SWPGPL	10.190	305.171	c) MSEDCL Bilateral *	99.310	3427.449
6) Other IPP	6.056	168.202	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	38.195	1233.976
C) 1) TPCL Thermal	9.640	346.740	Include PX	0.000	0.000
2) TPCL Hydro	1.634	139.159	Standby	0.000	0.499
3) TPCL Gas	1.819	55.520	H) ENERGY CATERED (MUs)		
4) AEML Thermal	5.261	258.459	1) MSEDCL	416.464	14720.811
D) STATE			2) Mumbai Discoms	59.995	2146.160
1) Thermal	258.056	8964.641	3) Other Discoms	9.899	304.369
(A1+C1+C4+(B1-B6))			TOTAL STATE	486.358	17171.340
2) Hydro (A2+C2)	7.842	468.039			
3) Gas (A3+B7+C3)	1.819	170.442			
4) Wind	54.754	1105.730			
6) SOLAR	10.073	419.525			
TOTAL STATE	332.544	11128.377			

* 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 16 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 2 Hrs
MSPGCL Thermal	5287	5035	6220	5723
MSPGCL Hydro	247	264	437	195
MSPGCL Gas	0	0	0	0
MSPGCL Total Generation	5534	5299	6657	5918
Central Sector Receipt	8051	7117	6108	5583
WIND	2115	2375	2579	2159
CPP / IPP Thermal	4134	4038	4861	4298
CPP / IPP Gas	0	0	0	0
SOLAR	1139	930	0	0
Exchange with Mumbai	-2182	-1933	-1802	-1471
MSEDCL DEMAND MET	18353	17381	17964	16123
Load Shedding	0	0	0	0
MSEDCL DEMAND	18353	17381	17964	16123
TPCL GENERATION	569	564	582	499
AEML GENERATION	163	167	310	187
MUMBAI DEMAND	2914	2664	2694	2157
OTHER DISCOM DEMAND	438	445	439	364
STATE DEMAND MET	21705	20490	21097	18644
STATE DEMAND	21705	20490	21097	18644
Frequency (Hz)	50.09	49.92	49.94	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.33 Hz at 13.03 Hrs	49.78 Hz at 19.37 Hrs	50.01	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 29/Jun/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.32	126.54	155	105
Unit 8	11.78	318.23	546	378
Unit 9	11.34	294.72	500	383
Unit 10	11.52	365.67	532	385
Total	37.95	1105.15		
Bhusawal				
Unit 3	2.94	75.14	140	105
Unit 4	9.02	292.43	445	285
Unit 5	9.84	313.22	480	285
Total	21.80	680.78		
Parli				
Unit 6	0.05	122.47	50	0
Unit 7	2.12	129.24	162	0
Unit 8	0.00	71.84	0	0
Total	2.17	323.55		
Chandrapur				
Unit 3	3.12	90.65	160	110
Unit 4	3.14	90.43	155	118
Unit 5	0.00	0.00	0	0
Unit 6	7.57	234.22	380	285
Unit 7	7.50	257.76	373	285
Unit 8	9.44	314.31	498	278
Unit 9	9.59	314.50	486	294
Total	40.36	1301.87		
Paras				
Unit 3	4.00	134.92	203	113
Unit 4	3.99	122.89	206	136
Total	7.99	257.81		
Khaparkheda				
Unit 1	2.46	71.96	125	70
Unit 2	1.76	79.68	105	0
Unit 3	3.23	94.01	143	124
Unit 4	3.30	110.33	159	125
Unit 5	9.06	312.18	440	310
Total	19.80	668.16		
Nasik				
Unit 3	0.00	10.09	0	0
Unit 4	3.14	112.61	163	118
Unit 5	2.99	108.97	152	113
Total	6.12	231.67		
Uran				
All Units	0.00	114.92	0	0
Total	0.00	114.92		
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)	0.00	2.03	0	0
Total	0.00	2.03		
Koyna				
Stage 1-2	1.96	82.95	295	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.00	81.22	0	0
Stage 3	0.48	38.65	80	0
Total	2.44	202.82		
Hydro				
KDPH	0.33	7.16	16	8
VTRNA	0.00	31.53	0	0
TILLARI	0.00	5.71	0	0
BHIRA T.R.	0.34	8.49	80	0
SMLHY_PTN	3.09	68.38	130	127
GHATGHAR	0.00	2.76	0	0
Total	3.76	124.03		
Wind				
Total	54.75	1105.73	0	0
Total	54.75	1105.73		
CPP				
APML(Mus)	50.24	1892.73	0	0
JSWEL(Mus)	16.19	660.17	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	24.26	764.15	0	0
SWPGPL-Mus	10.19	305.17	0	0
Dhariwal	0.00	0.00	0	0
IEPL	4.16	109.18	200	152
Other(Mus)	1.90	59.02	0	0
Total	106.93	3790.42		
SOLAR				
Total	10.07	419.52	0	0
Total	10.07	419.52		
Tata				
Trombay 5	6.44	232.35	312	257
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.96	30.80	40	39
Trombay 7B	0.86	24.72	36	35
TATA Hydro	1.63	139.16	140	14
Trombay 8	3.20	114.39	151	129
Total	13.09	541.42		
AEML				
DTPS U-1&2	5.26	258.46	381	154
Total	5.26	258.46		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	136.20	4569.00	MSPGCL Total	142.40	5012.80
			MSPGCL Thml+Gas	136.20	4683.92	Koyna 1,2 & 4 Total	1.96	164.17
			MSPGCL Hydro	6.21	328.88	State Total	332.54	11128.38

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 29/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	5895	185	0	6080	2339	4570	0	0	5911	5563	-1591	16566	0	0	16566	2303	395	19264	49.97
2	5723	195	0	5918	2159	4298	0	0	5706	5583	-1471	16123	0	0	16123	2157	364	18644	49.99
3	5508	185	0	5693	2443	4269	0	0	5640	5636	-1375	16325	0	0	16325	2046	341	18712	50.00
4	5530	186	0	5716	2470	4264	0	0	5588	5714	-1335	16489	0	0	16489	1977	340	18806	50.03
5	5703	186	0	5889	2380	4252	0	0	5685	5955	-1321	16812	0	0	16812	1971	343	19126	50.00
6	6060	184	0	6244	2304	4510	0	1	6333	6522	-1409	17806	0	0	17806	2063	366	20235	49.98
7	6185	184	0	6369	1959	4975	0	109	7019	6678	-1484	18216	0	0	18216	2150	390	20756	50.00
8	6094	223	0	6317	1969	4857	0	396	7392	7203	-1590	18743	0	0	18743	2286	409	21438	50.03
9	5714	263	0	5977	1941	4489	0	704	7452	7664	-1814	18534	0	0	18534	2530	427	21491	49.98
10	5509	348	0	5857	1982	4206	0	955	7660	7873	-2035	18392	0	0	18392	2774	446	21612	49.96
11	5287	247	0	5534	2115	4134	0	1139	7765	8051	-2182	18353	0	0	18353	2914	438	21705	50.09
12	5146	185	0	5331	2020	4071	0	1372	7938	7601	-2216	17753	0	0	17753	2937	426	21116	50.08
13	4833	185	0	5018	2154	3714	0	1292	7806	7510	-2181	17086	0	0	17086	2907	421	20414	50.11
14	4740	329	0	5069	2354	3864	0	1216	7329	7230	-2064	17254	0	0	17254	2805	415	20474	50.19
15	5157	327	0	5484	2418	4161	0	1039	7107	6521	-2054	17154	0	0	17154	2794	415	20363	49.94
16	5035	264	0	5299	2375	4038	0	930	7104	7117	-1933	17381	0	0	17381	2664	445	20490	49.92
17	5314	459	0	5773	2382	4187	0	541	6525	6627	-2007	17036	0	0	17036	2733	467	20236	49.98
18	5909	279	0	6188	2362	4344	0	343	6399	6086	-1874	16986	0	0	16986	2715	463	20164	49.97
19	6169	301	0	6470	2521	4758	0	36	6521	5793	-1806	17321	0	0	17321	2697	451	20469	49.95
20	6220	437	0	6657	2579	4861	0	0	6239	6108	-1802	17964	0	0	17964	2694	439	21097	49.94
21	6249	482	0	6731	2288	5126	0	0	5796	5711	-1672	17750	0	0	17750	2613	434	20797	50.00
22	6194	217	0	6411	2419	5355	0	0	5461	5071	-1551	17269	0	0	17269	2513	436	20218	50.05
23	6096	180	0	6276	2523	4934	0	0	5467	4942	-1424	16834	0	0	16834	2422	417	19673	49.98
24	5927	177	0	6104	2298	4721	0	0	5350	5055	-1450	16319	0	0	16319	2330	409	19058	50.00
MUs	136.20	6.21	0.00	142.40	54.75	106.96	0.00	10.07	157.19	153.81	-41.64	416.46	0.00	0.00	416.46	60.00	9.90	486.36	50.01

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 :-

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 29/Jun/2023

Position as on 6.30 Hrs of 30/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
MSPGCL	Parli Unit 6	250	29/06/2023	00:45		Continued.	Zero Schedule	
MSPGCL	Khaparkheda Unit 1	210	30/06/2023	00:18		Continued.	Annual Overhaul	24/07/2023
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	29/06/2023
MSPGCL	Uran Unit 6	108	01/06/2023	19:57		Continued.	No Schedule	
MSPGCL	Koyna 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	
MSPGCL	Uran Unit 8	108	24/06/2023	10:05		Continued.	Compressor Surge Protection	
MSPGCL	Uran Unit B0	120	24/06/2023	19:01		Continued.	On RR end bearing high vibrations	
MSPGCL	Uran Unit 7	108	24/06/2023	19:03		Continued.	On boiler protection	
AEML	AEML Unit 2	250	27/06/2023	13:55	29/06/2023	17:54	Boiler Tube Leakage	
IPP	JSW (J) U2	300	27/06/2023	23:44		Continued.	No schedule	
MSPGCL	Khaparkheda Unit 2	210	29/06/2023	04:43	29/06/2023	08:15	Drum level low	
MSPGCL	Parli Unit 7	250	29/06/2023	14:31		Continued.	On Zero Schedule	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jun/2023

Statement-VII

Position as on 6.30 Hrs of 30/Jun/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV TIEBAY Outages/Trippings							
TIE BAY - 411 OF WARDHA PGCIL @ KORADI 2	IntraState	23/06/2023	01:22			PO	Diagnostic testing of Circuit Breaker & Current transformer Routine nut bolt tightening
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
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	27/06/2023	09:46			HT	H/T for load Management.
DEEPNAGAR - THAPTI TANDA	IntraState	28/06/2023	08:36	29/06/2023	08:11	T	Tripped on Distance Protection.
CHANDRAPUR GCR - CHANDRAPUR HVDC - 1	IntraState	28/06/2023	21:51	29/06/2023	05:45	EO	Replacement of damaged scissor assembly of B-ph Pole of PG-3 Isolator B-ph pole (Aux. Bus Isolator) of 400kV Chandrapur-HVDC Ckt. No-1 bay.
JAIGAD - KARAD CKT - 2	IntraState	28/06/2023	22:17	29/06/2023	06:48	HT	To control system voltages
LONIKAND I - KOYNA STAGE-IV	IntraState	28/06/2023	22:30	29/06/2023	06:26	HT	To control system voltages
BABHALESHWAR - RPL(NSK) CKT - 2	IntraState	29/06/2023	09:18			PO	Diagnostic testing of 400kV NTPP II bay outdoor equipment & relay
JEJURI- KOYNA STAGE-IV	IntraState	29/06/2023	09:57	29/06/2023	21:39	PO	To make required arrangements, wiring and setting of relays so as to take AR trials urgently.
JAIGAD - KARAD CKT - 1	IntraState	29/06/2023	22:12	30/06/2023	08:20	HT	H/T on Overvoltage
LONIKAND I - KOYNA STAGE-IV	IntraState	30/06/2023	00:36	30/06/2023	08:32	HT	H/T on overvoltage
CHANDRAPUR 2- KUMBHARGAON (NANDED) CKT - 1	IntraState	30/06/2023	09:34			PO	For replacement of insulator strings at loc. No. 262 & Loc no. 264 for found faulty in online PID.
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.
400/220/33 KV 315 MVA ICT - 2 @ KOLHAPUR	IntraState	30/06/2023	09:09			PO	C Bus isolator overhauling work, Q/M of bay
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.
URAN - KHARGHAR 1	IntraState	23/06/2023	17:36			PO	LILO and commissioning of 220kV Ulwe GIS
CARNAC BACKBAY - 4	IntraState	28/06/2023	23:11	29/06/2023	05:58	PO	220 kV Bay RTU replacement
CTRLS - NET MAGIC GIS	IntraState	28/06/2023	23:48	29/06/2023	04:24	HT	Hotspot attended on R-ph GIS bushing at CTT tower at CTRLS end

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jun/2023

Statement-VII

Position as on 6.30 Hrs of 30/Jun/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
WARORA-BHUGAON CKT - 2	IntraState	29/06/2023	08:25	29/06/2023	13:25	PO	Diagnostic testing of EHV Equipments CT, CC, CB and Routine maintenance work.
BOTHE - SWARAJ CO GEN	IntraState	29/06/2023	11:43	29/06/2023	13:43	PO	Relay Testing Work
EKLAHARE (GCR) - AIROLI KNOW PARK	IntraState	29/06/2023	13:04			PO	For providing 2nd source to 220KV Bapgaon S/stn by making bunching on 220 KV AKP Nashik line at loc. 397 during the work of:Erection of cable termination kit and LA on newly erected CTT Monopole on 220 KV Kalwa Bapgaon line in between Loc No-398 to 399 for the Work of newly proposed 220KV GIS substation of M/s. Estela Enterprises Pvt. Ltd
BAPGAON - KALWA	IntraState	29/06/2023	13:06			PO	Erection of cable termination kit and LA on newly erected CTT Monopole on 220 KV Kalwa Bapgaon line in between Loc No-398 to 399 for the Work of newly proposed 220KV GIS substation of M/s. Estela Enterprises Pvt. Ltd
IPCL - SPCL	IntraState	30/06/2023	08:16	30/06/2023	09:32	T	Tripped on distance protection
NAGOTHANE - SPCL	IntraState	30/06/2023	08:16			T	Tripped on distance protection
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.
220/132-110 KV 100 MVA ICT 2	IntraState	21/06/2023	11:00			EO	Replacement of HV CB
220/132 KV 100 MVA ICT 1	IntraState	29/06/2023	09:27	29/06/2023	13:10	PO	Servicing and demonstration of CTR make NIFPS system installed for ICT-1
220/132 KV 150 MVA ICT 1 @ SATANA	IntraState	29/06/2023	11:38	29/06/2023	14:25	PO	for attending oil leakage of CTR make NIFPS.
220/132 KV 200 MVA ICT 1 @ MALEGAON	IntraState	30/06/2023	09:18			PO	For NIFPS Maintenance 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.

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