

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	153.758	4736.100	1) Gujrat	-3.254	-90.353
2) Hydro	35.076	659.579	2) Madhya Pradesh	10.862	211.815
3) Gas	5.232	152.296	3) Chattisgarh	5.470	150.270
Total MSPGCL	194.066	5547.975	4) Maharashtra	190.566	5834.645
B) 1) APLM	73.213	1712.378	5) Goa (Amona)	-1.675	-36.488
2) JSWEL	24.560	625.750	Total	201.969	6069.889
3) VIPL	0.000	0.000	a) Mumbai Schedule	40.425	1137.709
4) RPL(AMT)	31.330	717.702	b) Mumbai Drawl	44.733	1248.900
5) SWPGPL	9.478	291.764	c) MSEDCL Bilateral *	81.555	2821.834
6) Other IPP	2.924	259.530	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	40.420	1137.615
C) 1) TPCL Thermal	12.546	336.219	Include PX	0.000	0.000
2) TPCL Hydro	6.687	140.210	Standby	0.005	0.094
3) TPCL Gas	1.980	64.356	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.662	291.780	1) MSEDCL	517.717	14720.468
D) STATE			2) Mumbai Discoms	76.608	2081.465
1) Thermal	318.471	8971.223	3) Other Discoms	10.571	299.267
(A1+C1+C4+(B1-B6))			TOTAL STATE	604.896	17101.200
2) Hydro (A2+C2)	41.763	799.789			
3) Gas (A3+B7+C3)	7.212	216.652			
4) Wind	18.731	579.289			
6) SOLAR	16.750	464.358			
TOTAL STATE	402.927	11031.311			

* 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 20 Hrs	D. Night Minimum at 7 Hrs
MSPGCL Thermal	6241	6237	6301	6354
MSPGCL Hydro	1307	1561	1851	1025
MSPGCL Gas	208	205	215	229
MSPGCL Total Generation	7756	8003	8367	7608
Central Sector Receipt	9634	9843	8020	7753
WIND	294	397	612	1114
CPP / IPP Thermal	5776	5811	6162	6041
CPP / IPP Gas	0	0	0	0
SOLAR	2220	1810	0	146
Exchange with Mumbai	-2303	-2360	-1595	-1579
MSEDCL DEMAND MET	22899	23036	21082	20654
Load Shedding	0	0	215	0
MSEDCL DEMAND	22899	23036	21297	20654
TPCL GENERATION	880	912	1193	562
AEML GENERATION	499	497	497	329
MUMBAI DEMAND	3682	3769	3285	2470
OTHER DISCOM DEMAND	478	468	484	429
STATE DEMAND MET	27059	27273	24851	23553
STATE DEMAND	27059	27273	25066	23553
Frequency (Hz)	50.00	49.89	49.87	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.17 Hz at 13:02 Hrs	49.65 Hz at 22:15 Hrs	49.95	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/May/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	111.93	0	0
Unit 8	2.57	326.28	502	0
Unit 9	12.56	366.32	565	370
Unit 10	12.24	287.39	545	490
Total	27.37	1091.93		
Bhusawal				
Unit 3	3.54	98.92	155	140
Unit 4	9.66	244.62	435	380
Unit 5	9.95	256.94	445	375
Total	23.14	600.48		
Parli				
Unit 6	0.12	102.59	125	0
Unit 7	5.28	117.10	245	148
Unit 8	4.28	130.92	198	146
Total	9.69	350.61		
Chandrapur				
Unit 3	3.62	104.14	162	133
Unit 4	3.69	95.18	155	146
Unit 5	0.00	170.06	0	0
Unit 6	9.65	267.85	410	370
Unit 7	10.15	272.50	440	376
Unit 8	11.79	287.62	500	473
Unit 9	11.74	318.98	500	462
Total	50.64	1516.32		
Paras				
Unit 3	4.45	138.58	210	167
Unit 4	5.19	145.72	234	191
Total	9.65	284.30		
Khaparkheda				
Unit 1	3.04	87.28	140	110
Unit 2	2.86	82.75	136	88
Unit 3	4.22	117.53	184	155
Unit 4	4.38	111.00	190	176
Unit 5	11.32	268.05	475	465
Total	25.82	666.61		
Nasik				
Unit 3	0.00	25.27	0	0
Unit 4	3.59	116.80	182	116
Unit 5	3.86	83.79	173	138
Total	7.45	225.85		
Uran				
All Units	5.23	152.30	233	198
Total	5.23	152.30		
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)	0.06	1.00	20	0
Total	0.06	1.00		
Koyna				
Stage 1-2	7.25	139.96	490	45

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	17.79	301.33	1006	415
Stage 3	5.33	97.52	320	0
Total	30.38	538.80		
Hydro				
KDPH	0.53	18.83	22	22
VTRNA	1.12	30.36	60	0
TILLARI	0.46	3.52	58	0
BHIRA T.R.	0.34	8.22	77	0
SMLHY_PTN	1.92	58.06	84	73
GHATGHAR	0.27	0.78	80	0
Total	4.64	119.78		
Wind				
Total	18.73	579.29	0	0
Total	18.73	579.29		
CPP				
APML(Mus)	73.21	1712.38	0	0
JSWEL(Mus)	24.56	625.75	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	31.33	717.70	0	0
SWPGPL-Mus	9.48	291.76	0	0
Dhariwal	0.00	16.14	0	0
IEPL	0.00	116.69	0	0
Other(Mus)	2.92	126.70	0	0
Total	141.50	3607.12		
SOLAR				
Total	16.75	464.36	0	0
Total	16.75	464.36		
Tata				
Trombay 5	8.36	219.60	450	268
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.07	37.30	54	38
Trombay 7B	0.91	27.05	46	34
TATA Hydro	6.69	140.21	440	91
Trombay 8	4.18	116.62	231	130
Total	21.21	540.78		
AEML				
DTPS U-1&2	10.66	291.78	500	321
Total	10.66	291.78		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	153.76	4736.10	MSPGCL Total	194.07	5547.98
			MSPGCL Thml+Gas	158.99	4888.40	Koyna 1,2 & 4 Total	25.04	441.29
			MSPGCL Hydro	35.08	659.58	State Total	402.93	11031.31

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 29/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	7091	1733	227	9051	1355	6343	0	0	7565	7191	-1682	21867	0	0	21867	3063	391	25321	49.92
2	6965	1367	228	8560	1205	6316	0	0	7715	7412	-1669	21449	0	0	21449	2879	375	24703	50.00
3	7006	1262	231	8499	880	6256	0	0	7447	7215	-1608	20897	0	0	20897	2712	345	23954	50.01
4	6992	1012	230	8234	848	6145	0	0	7577	7324	-1546	20681	0	0	20681	2566	324	23571	50.02
5	6876	973	231	8080	867	6132	0	0	7672	7564	-1560	20726	0	0	20726	2497	357	23580	50.00
6	6611	1231	233	8075	997	6124	0	9	7768	7503	-1581	20737	0	0	20737	2493	390	23620	50.02
7	6354	1025	229	7608	1114	6041	0	146	7900	7753	-1579	20654	0	0	20654	2470	429	23553	50.02
8	6065	1083	228	7376	1224	5252	0	619	7979	8251	-1675	20596	0	0	20596	2599	451	23646	49.99
9	6079	1403	225	7707	961	4798	0	1234	8383	8648	-1993	20871	0	0	20871	2939	484	24294	49.96
10	6165	1724	216	8105	681	4998	0	1740	8659	8905	-2087	21869	0	1	21869	3302	473	25644	50.01
11	6096	1540	208	7844	499	5252	0	2083	9368	9479	-2218	22464	0	38	22464	3508	475	26447	50.02
12	6241	1307	208	7756	294	5776	0	2220	9570	9634	-2303	22899	0	126	22899	3682	478	27059	50.00
13	6140	1229	205	7574	201	5662	0	2210	9929	9993	-2334	22838	0	134	22838	3710	468	27016	49.96
14	6136	1335	200	7671	212	5537	0	2052	9895	10228	-2281	22959	0	52	22959	3645	460	27064	50.00
15	6237	1561	205	8003	397	5811	0	1810	10033	9843	-2360	23036	0	97	23036	3769	468	27273	49.89
16	6279	1645	198	8122	590	5833	0	1399	9863	9664	-2257	22885	0	101	22885	3872	466	27223	49.88
17	6253	1695	208	8156	592	6096	0	795	9010	9223	-2144	22247	0	49	22247	3788	471	26506	49.85
18	6306	1443	208	7957	671	6112	0	369	9230	8909	-2219	21303	0	2	21303	3583	496	25382	49.86
19	6264	1285	213	7762	531	6122	0	64	8886	8311	-1922	20379	0	0	20379	3339	489	24207	49.93
20	6301	1851	215	8367	612	6162	0	0	7714	8020	-1595	21082	215	0	21297	3285	484	25066	49.87
21	6329	1786	225	8340	890	6187	0	0	7636	7423	-1532	20842	141	0	20983	3228	466	24677	49.87
22	6366	1541	225	8132	1452	6161	0	0	7548	7318	-1498	21100	0	0	21100	3189	465	24754	49.87
23	6367	2026	218	8611	967	6173	0	0	7622	8061	-1519	21847	318	0	22165	3213	446	25824	49.83
24	6239	2019	218	8476	691	6216	0	0	7779	8097	-1571	21490	940	0	22430	3277	419	26126	49.92
MUs	153.76	35.08	5.23	194.07	18.73	141.50	0.00	16.75	202.75	201.97	-44.73	517.72	1.61	0.60	519.33	76.61	10.57	606.51	49.95

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) As per LD Kalwa instruction AG Forced Load-shedding carried out.
- 2) Due to overloading of 220KV Urse Chinchwad line.
- 3) Control under voltage at 400KV Lonikhand-1.

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

Position as on 6.30 Hrs of 30/May/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
FORCED OUTAGE								
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	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	Uran Unit 6	108	10/05/2023	02:00		Continued.	Zero Schedule.	
MSPGCL	Nasik Unit 3	210	20/05/2023	08:45		Continued.	Boiler Tube Leakage(under tolling from 22.25Hrs DT. 20-5-2023)	
MSPGCL	Chandrapur Unit 5	500	22/05/2023	19:00		Continued.	Stator Earth Fault	27/06/2023
IPP	IEPL Unit 1	270	24/05/2023	20:10		Continued.	Clinker formation in furnace	30/05/2023
MSPGCL	Koradi Unit 6	210	27/05/2023	08:57	30/05/2023	06:16	Flame Failure	30/05/2023
MSPGCL	Parli Unit 6	250	29/05/2023	00:46		Continued.	Boiler Tube Leakage	01/06/2023
IPP	SWPGPL U-1	135	29/05/2023	03:57		Continued.	ID Fan Problem	01/06/2023
MSPGCL	Koradi Unit 8	660	29/05/2023	05:36		Continued.	Boiler Tube Leakage	31/05/2023
MSPGCL	Koradi Unit 9	660	30/05/2023	00:08		Continued.	Boiler Tube Leakage	01/06/2023
TPC-G	Trombay 7B	60	30/05/2023	05:28		Continued.	Gas Skid Trip	
TPC-G	Trombay 7A	120	30/05/2023	07:14		Continued.	Gas Skid Trip	

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

Statement-VII

Position as on 6.30 Hrs of 30/May/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
CHANDRAPUR - PADGHE HVDC POLE 1	IntraState	28/05/2023	19:44	29/05/2023	01:13	T	(3 nos.) of 4 core cable of instrument relay of Pole-1 B phase and (1 nos.) of 4 core cable of instrument relay of Pole-1 R converter transformer phase found doubtful.
400 KV TIEBAY Outages/Trippings							
TIE BAY (403) OF KHADKA CKT - 2 @ DEEPNAGAR	IntraState	29/05/2023	11:43			PO	For servicing & overhauling of 400 kV AREVA make Tie C.B.(403) 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
LONIKAND I - TALEGAON (PGCIL)	InterState	29/05/2023	15:01	29/05/2023	16:40	T	Tripped on Distance Protection.
DABHOL - NEW KOYNA CKT - 2	IntraState	22/05/2023	13:26			PO	Dismantling of exisging tilted old tower at location no 94 and erection of new tower (B+9ST) with foundation and stringing of conductor.
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	23/05/2023	09:46			HT	For load management
KHADKA- DEEPNAGAR CKT 2	IntraState	25/05/2023	10:02				Servicing &overhauling of 400kv areva make kdk ckt-2 main c.b. mechanism.
PADGHE - KALWA CKT - 2	IntraState	29/05/2023	01:31	29/05/2023	05:55	HT	Planned outage
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.
400/220KV 315 MVA ICT - 1 @ NEW KOYNA	IntraState	29/05/2023	08:04	29/05/2023	18:12	PO	Diagnostic testing & Relay testing work , Routine maint. Work & Pre-Monsoon maintenance
400/220 KV 315MVA ICT - 1 @ KARAD	IntraState	29/05/2023	08:30	29/05/2023	18:50	PO	As per recommendation from SE, TCC, Karad, replacement of 52 kV inner side bushing of R ph unit due to higher Tandelta values. Replacement of 52 kV bushing is to be carried out.
400/220/33 KV 500 MVA ICT - 3 @ PARLI	IntraState	30/05/2023	08:53			PO	Premonsoon maintenance & testing work.
220 KV MAINBAY Outages/Trippings							
Main Bay-220 kV Boisar(PG)-Boisar(M)-3 And 220 kV Boisar(PG)-BUS 1 at 220 kV Boisar(PG)	InterState	29/05/2023	09:48	29/05/2023	16:53	PO	AMP WORKS.
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
AAREY - AEML SAKI CKT - 1	IntraState	28/05/2023	17:23			T	Tripped on Differential protection.
KARAD - WATHAR	IntraState	29/05/2023	12:32	29/05/2023	12:50	HT	Hand tripped for Load management on Karad ICT
VARKUTI- HIWARWADI	IntraState	30/05/2023	08:22			PO	Cold line washing work Loc No.166-200

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

Statement-VII

Position as on 6.30 Hrs of 30/May/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
LAMBOTI - TULJAPUR CKT - 1	IntraState	30/05/2023	09:08			PO	Outage is required for Tigtning of Jumper & fixing of missing Nut Bolt to Jumper at various Tension location.
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
220/110/33KV 250 MVA ICT-4 @ MAHALAXMI GIS (T)	IntraState	29/05/2023	00:13	29/05/2023	05:50	PO	RM, PM checks and installation of thermal camera in LT box
220/33 KV 50 MVA PTR - 7 @ WATHAR	IntraState	29/05/2023	08:58	29/05/2023	13:29	PO	Premosoon maint work
220/132 KV 150 MVA ICT 3 @ EKLAHRE (OCR)	IntraState	29/05/2023	09:50	29/05/2023	11:56	PO	Pre-monsoon Maintenance work & CB CRM testing work
220/33 KV 50 MVA BBL PTR 2 @ MUDSHINGI	IntraState	29/05/2023	10:03	29/05/2023	16:56	PO	1) Quarterly maintenance work 2) CB testing work 3) to attend hot spot
220/100 KV 200 MVA ICT 4 @ APTA	IntraState	29/05/2023	10:40	29/05/2023	16:12	PO	Replacement of LV B ph Bushing due to higher Tan delta observed value is 5.52 %
220/132-110KV 100MVA PTR 1@WATHAR	IntraState	29/05/2023	11:06	29/05/2023	13:29	PO	Overhauling work OLTC Drive mech
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.
KHOPOLI - DAVDI	IntraState	29/05/2023	07:50	29/05/2023	16:20	PO	Line IVT testing work

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