

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 29/Apr/2024 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	187.511	5070.066	1) Gujrat	3.795	87.721
2) Hydro	22.780	408.788	2) Madhya Pradesh	7.510	313.735
3) Gas	8.017	216.805	3) Chattisgarh	3.010	107.020
Total MSPGCL	218.308	5695.659	4) Maharashtra	187.981	5442.713
B) 1) APLM	68.449	1920.081	5) Goa (Amona)	-2.161	-74.857
2) JSWEL	21.826	765.958	Total	200.135	5876.332
3) VIPL	0.000	0.000	a) Mumbai Schedule	38.186	1104.125
4) RPL(AMT)	31.730	892.786	b) Mumbai Drawl	42.542	1182.223
5) SWPGPL	11.147	317.087	c) MSEDCL Bilateral *	88.418	2573.355
6) Other IPP	20.050	653.299	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	38.186	1104.125
C) 1) TPCL Thermal	14.532	374.113	Include PX	0.000	0.000
2) TPCL Hydro	6.494	142.845	Standby	0.000	0.000
3) TPCL Gas	4.128	116.454	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.568	285.322	1) MSEDCL	547.944	15453.145
D) STATE			2) Mumbai Discoms	79.264	2100.954
1) Thermal	366.813	10278.712	3) Other Discoms	11.530	316.621
(A1+C1+C4+(B1-B6))			TOTAL STATE	638.738	17870.720
2) Hydro	29.274	551.633			
(A2+C2)					
3) Gas	12.145	333.259			
(A3+B7+C3)					
4) Wind	15.123	371.721			
6) SOLAR	15.248	459.066			
TOTAL STATE	438.603	11994.391			

* 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 8 Hrs
MSPGCL Thermal	7068	7727	7908	7526
MSPGCL Hydro	1037	1177	1811	179
MSPGCL Gas	268	267	452	288
MSPGCL Total Generation	8373	9171	10171	7993
Central Sector Receipt	9653	9810	7914	8277
WIND	302	494	479	542
CPP / IPP Thermal	5380	6433	6780	6232
CPP / IPP Gas	0	0	0	0
SOLAR	2102	1251	0	494
Exchange with Mumbai	-2171	-2122	-1734	-1501
MSEDCL DEMAND MET	23117	24522	23059	21553
Load Shedding	0	0	0	0
MSEDCL DEMAND	23117	24522	23059	21553
TPCL GENERATION	1108	1262	1245	705
AEML GENERATION	502	503	401	502
MUMBAI DEMAND	3781	3887	3380	2708
OTHER DISCOM DEMAND	522	515	551	484
STATE DEMAND MET	27420	28924	26990	24745
STATE DEMAND	27420	28924	26990	24745
Frequency (Hz)	49.98	50.02	49.98	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.17 Hz at 10.59 Hrs	49.84 Hz at 23.07 Hrs	50	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/Apr/2024

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.42	107.32	190	180
Unit 8	14.10	406.74	599	555
Unit 9	13.78	405.24	601	536
Unit 10	13.38	286.34	585	484
Total	45.68	1205.63		
Bhusawal				
Unit 3	3.52	102.86	170	125
Unit 4	11.48	246.51	495	420
Unit 5	10.96	276.43	490	355
Total	25.96	625.80		
Parli				
Unit 6	4.86	127.08	245	143
Unit 7	4.55	130.57	241	144
Unit 8	4.70	115.51	250	144
Total	14.11	373.16		
Chandrapur				
Unit 3	3.59	84.20	158	130
Unit 4	3.82	97.15	169	126
Unit 5	9.58	229.30	435	275
Unit 6	9.16	244.28	425	285
Unit 7	9.92	253.98	474	292
Unit 8	10.87	261.14	470	430
Unit 9	11.54	331.85	496	456
Total	58.50	1501.91		
Paras				
Unit 3	5.61	144.00	245	205
Unit 4	2.11	155.00	252	0
Total	7.72	299.00		
Khaparkheda				
Unit 1	3.86	109.25	170	135
Unit 2	4.18	123.69	186	161
Unit 3	4.22	116.52	180	170
Unit 4	4.07	114.10	193	124
Unit 5	11.39	299.42	480	462
Total	27.71	762.98		
Nasik				
Unit 3	4.11	94.91	190	135
Unit 4	0.00	103.71	0	0
Unit 5	3.71	102.95	171	107
Total	7.82	301.57		
Uran				
All Units	8.02	216.80	467	266
Total	8.02	216.80		
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)	0.34	6.60	47	0
Total	0.34	6.60		
Koyna				
Stage 1-2	2.79	93.12	530	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	12.01	143.36	1000	0
Stage 3	3.13	51.98	296	0
Total	17.92	288.46		
Hydro				
KDPH	0.74	23.26	31	31
VTRNA	0.88	23.98	60	0
TILLARI	0.72	3.08	62	0
BHIRA T.R.	0.00	0.00	0	0
SMLHY_PTN	2.28	63.41	99	90
GHATGHAR	0.22	6.61	128	0
Total	4.86	120.33		
Wind				
Total	15.12	371.72	0	0
Total	15.12	371.72		
CPP				
APML(Mus)	68.45	1920.08	0	0
JSWEL(Mus)	21.83	765.96	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	31.73	892.79	0	0
SWPGPL-Mus	11.15	317.09	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.86	155.84	266	210
Other(Mus)	8.69	370.28	0	0
JPL	5.50	127.19	269	190
Total	153.20	4549.21		
SOLAR				
Total	15.25	459.07	0	0
Total	15.25	459.07		
Tata				
Trombay 5	9.49	244.99	469	270
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.57	72.53	108	105
Trombay 7B	1.56	43.93	65	64
TATA Hydro	6.49	142.84	423	104
Trombay 8	5.04	129.12	232	133
Total	25.15	633.41		
AEML				
DTPS U-1&2	11.57	285.32	503	401
Total	11.57	285.32		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	187.51	5070.07	MSPGCL Total	218.31	5695.66
			MSPGCL Thml+Gas	195.53	5286.87	Koyna 1,2 & 4 Total	14.80	236.47
			MSPGCL Hydro	22.78	408.79	State Total	438.60	11994.39

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 29/Apr/2024

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	8287	1599	467	10353	867	6813	0	0	7320	7114	-1737	22990	0	0	22990	3289	420	26699	50.02
2	8247	1175	452	9874	932	6826	0	0	7181	6778	-1445	22583	0	0	22583	3089	382	26054	49.99
3	8309	824	298	9431	960	6814	0	0	7158	6822	-1321	22347	0	0	22347	2882	359	25588	50.03
4	8282	316	285	8883	973	6745	0	-1	7553	7229	-1297	22170	0	0	22170	2706	362	25238	49.98
5	8139	304	287	8730	985	6755	0	0	7662	7460	-1334	22200	0	0	22200	2612	396	25208	49.98
6	8231	250	287	8768	953	6716	0	0	7881	7356	-1222	22153	0	0	22153	2617	418	25188	49.97
7	8198	197	288	8683	846	6746	0	80	7930	7554	-1177	22261	0	0	22261	2608	472	25340	49.99
8	7526	179	288	7993	542	6232	0	494	8323	8277	-1501	21553	0	0	21553	2708	484	24745	50.02
9	7484	274	279	8037	390	5793	0	1007	8651	8659	-1837	21555	0	0	21555	3022	494	25071	49.95
10	7671	335	279	8285	407	5779	0	1473	9330	9306	-2110	22639	0	24	22639	3372	501	26512	49.97
11	7442	665	272	8379	323	5589	0	1894	9965	9566	-2131	23104	0	221	23104	3648	516	27268	50.04
12	7068	1037	268	8373	302	5380	0	2102	10063	9653	-2171	23117	0	101	23117	3781	522	27420	49.98
13	7069	1025	267	8361	357	5315	0	2099	10034	9637	-2188	23055	0	28	23055	3801	526	27382	49.99
14	7059	1069	266	8394	316	5217	0	2053	10030	9876	-2193	23166	0	27	23166	3722	497	27385	50.01
15	7391	1136	268	8795	379	5770	0	1673	9985	9885	-2185	23804	0	33	23804	3823	513	28140	49.98
16	7727	1177	267	9171	494	6433	0	1251	10047	9810	-2122	24522	0	62	24522	3887	515	28924	50.02
17	7834	1248	272	9354	705	6789	0	764	9402	8916	-2069	23938	0	73	23938	3798	521	28257	49.99
18	7891	1078	272	9241	700	6804	0	321	8875	8558	-2031	23065	0	39	23065	3616	528	27209	50.00
19	7787	1123	399	9309	619	6714	0	38	8481	7858	-1898	22086	0	5	22086	3415	554	26055	50.04
20	7908	1811	452	10171	479	6780	0	0	8188	7914	-1734	23059	0	0	23059	3380	551	26990	49.98
21	7980	1354	459	9793	602	6816	0	0	7989	7899	-1666	22910	0	0	22910	3303	534	26747	50.02
22	7927	1289	456	9672	727	6804	0	0	7785	7726	-1605	22809	0	0	22809	3289	515	26613	50.01
23	8035	1397	463	9895	649	6807	0	0	8098	8213	-1713	23363	0	0	23363	3379	488	27230	49.97
24	8019	1918	426	10363	616	6765	0	0	8129	8069	-1855	23496	0	0	23496	3517	462	27475	49.98
MUs	187.51	22.78	8.02	218.31	15.12	153.20	0.00	15.25	206.06	200.14	-42.54	547.94	0.00	0.61	547.94	79.26	11.53	638.74	50.00

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)ELR carried due to overloading of 220kv BBLR 1&2.

2)DLS was implemented due to overloading of 220kv Alephata-BBLR line & 400kv Chakan-Talegaon PGCIL line.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 29/Apr/2024

Position as on 6.30 Hrs of 30/Apr/2024

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
FORCED OUTAGE								
MSPGCL								
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	31/08/2024
MSPGCL	Nasik Unit 4	210	28/04/2024	08:40	30/04/2024	06:41	ID Fan Problem	30/04/2024
MSPGCL	Paras Unit 4	250	29/04/2024	06:46	29/04/2024	21:23	High Pressure Control Fluid Pressure low	
MSPGCL	Uran Unit 6	108	29/04/2024	23:34	30/04/2024	01:05	DUE TO BOILER PROTECTION MALFUNCTION.	
Total Capacity MSPGCL		688						
IPP								
IPP	JSW (J) U3	300	27/04/2024	23:52		Continued.	CW Duct heavy leakage.	30/04/2024
Total Capacity IPP		300						
CENT.SECTOR								
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.	31/08/2024
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.	30/09/2024
Total Capacity CENT.SECTOR		320						
Total Capacity FORCED OUTAGE		1308						
UNIT UNDER ZERO SCHEDULE / RSD								
MSPGCL								
MSPGCL	Uran Unit 5	108	29/04/2024	01:56	29/04/2024	17:57	No schedule	
MSPGCL	Uran Unit 6	108	29/04/2024	02:15	29/04/2024	18:26	no or zero schedule	
MSPGCL	Uran Unit 6	108	30/04/2024	05:59		Continued.	Zero schedule	
MSPGCL	Uran Unit 5	108	30/04/2024	06:16		Continued.	Zero schedule	
Total Capacity MSPGCL		432						
Total Capacity UNIT UNDER ZERO SCHEDULE / RSD		432						
FORCED OUTAGE DUE TO NO PPA								
IPP								
IPP	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
IPP	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)	
Total Capacity IPP		988						

State Load Despatch Center, Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 29/Apr/2024

Position as on 6.30 Hrs of 30/Apr/2024

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Total Capacity		988						
FORCED OUTAGE DUE TO NO PPA								

* Other generator generating power instead of contracted genertaor with tri-party agreement in between generatos & discom (Case-IV bidding)

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Apr/2024

Statement-VII

Position as on 6.30 Hrs of 30/Apr/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV LR Outages/Trippings							
400KV KORADI-BHUSAWAL (Koradi end)	IntraState	29/04/2024	06:02	29/04/2024	13:35		For reactor bushing tan delta, CT tan delta, routine isolator maintenance work & binding bus conductor above Y Phase PG isolator by Hot line unit Nagpur of 400KV Koradi-1 & #65533; Bhusawal Ckt bay.
400KV KORADI-BHUSAWAL (Koradi end)	IntraState	29/04/2024	06:02	29/04/2024	13:35	PO	REPALCEMENT OF FAULTY STRINGS AND LINES MAINT. WORKS
400 KV LINE Outages/Trippings							
BUS REACTOR (50MVAR) @ PARLI	IntraState	27/09/2023	15:30			PO	Replacement of old 50 MVAR bus reactor by new 125 MVAR bus reactor.
CHANDRAPUR 2 - WARORA CKT-2	IntraState	22/04/2024	17:27			T	Tripped on distance protection.
CHANDRAPUR 2 - WARORA CKT-1	IntraState	22/04/2024	17:27			T	Tripped on distance protection.
BABHALESHWAR - PADGHE CKT-1	IntraState	27/04/2024	09:26			PO	1)Replacement of A Bus All Phase PG Isolator under LES Scheme. 2) Line will be in service on TBC.
220 KV KHADKA (400 KV)-CHALISGAON CKT -1	IntraState	29/04/2024	06:54	29/04/2024	17:05	PO	For lbb relay retrofitting work.
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	29/04/2024	10:59	30/04/2024	05:47	HT	For load management
KORADI-NANDGAONPETH (RPL)	IntraState	30/04/2024	06:15				For reactor bushing tan delta, winding resistance test & isolator routine maintenance work of 400KV Koradi1, RPL Line bay.
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 500 MVA ICT - 3 @ VIKHROLI GIS	IntraState	10/02/2024	17:40			HT	H/T For LV only.
220 KV TIEBAY Outages/Trippings							
220 KV PT I	IntraState	25/04/2024	08:48			HT	Replacement of pts under les scheme.
220 KV TBC Outages/Trippings							
TBC @ PADGHE	IntraState	26/04/2024	10:42	29/04/2024	13:15	PO	Replacement of A Bus PT in upper section & making twin bus arrangement
220 KV MAINBAY Outages/Trippings							
220KV BUS SECTION BAY @ PEDAMBE	IntraState	03/04/2024	15:55			T	Tripped due to Y ph CT burst
220 KV LINE Outages/Trippings							
KHARGHAR - ULWE GIS CKT-1	IntraState	19/04/2024	15:22			T	Wavetrap uncoiled at Kharghar end

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Apr/2024

Statement-VII

Position as on 6.30 Hrs of 30/Apr/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
BABLESHWAR- ALEPHATA CKT - 1	IntraState	28/04/2024	19:45	29/04/2024	02:14	PO	Damaged conductor will be replacement at location No 82-83 B ph (Alephata side) & armouring of conductor will be carried at 83-84 R ph (Babhaleshwar side) & 131-132 Y Ph. Also repair sleeve fixed at damage conductor at 17 (Y Ph BBLR side), 69 (R Ph both side ,Y Ph BBLR side, B Ph both side), 83 (R Ph BBLR side). The above said work is not feasible by hot line method. Also, Hot spot observed at location No-6 Y PH (Bblr side -98 C)131 Y PH (Bblr side -64.7 C & Alephata side 107 C) ,hence the jumper nut bolt replacement & tightening work is required to be carried out at above mentioned location and location 5,143, where by pass jump provided by hot line .
BOISAR II - BOISAR (PG) CKT - 1	IntraState	29/04/2024	04:45	29/04/2024	09:25	PO	Work of replacement of existing 0.4 ACSR Zebra Conductor and all its Hardware by equivalent CCC HTLS Conductor and suitable Hardware for 220kV Boisar - PGCIL (Dead Line). Outage required of 220kV PGCIL - Boisar Line No. 1 for safety purpose only.
KARAD -MUDSHINGI CKT- 4	IntraState	29/04/2024	07:01	29/04/2024	19:12	PO	For SSN to DSN & STN to DTN string work at loc no. 214 & 215 main road crosssing for safety purpose.
DONDAICHA(220)-AMALNER(220)	IntraState	29/04/2024	07:37	29/04/2024	10:32	PO	At loc no. 90 B-phase flashover string replacement work.
WARDHA (PG) - BADNERA	IntraState	29/04/2024	09:22	29/04/2024	17:29	PO	For flashover string replacement work.
WARDHA (PG) - BADNERA	IntraState	29/04/2024	09:22	29/04/2024	17:29	PO	1.For Replacement of Flashover Disc. 2.Diagnostic testing of Line Bay at Badnera S/s.
132KV AKOLA (220KV)-MURTIZAPUR CKT 2	IntraState	29/04/2024	10:16	29/04/2024	11:49	PO	For flashover string replacement work.
TALANDGE - SAWANTWADI	IntraState	29/04/2024	10:42	29/04/2024	19:34	PO	Replacement of faulty string
VIRUR - VIRUR RLY TSS 1	IntraState	29/04/2024	10:56	29/04/2024	21:28	PO	For relay retrofitting work by testing team.
APTA - TALOJA	IntraState	29/04/2024	12:32	29/04/2024	14:12	T	Tripped on distance protection
VITA - MIRAJ	IntraState	29/04/2024	17:32	29/04/2024	23:04	PO	Replacement of Distance protection relay at vita end & B/U protection relay at 220kV Miraj end
220 KV ICT Outages/Trippings							
220/33KV 25MVA PTR 2 @ NEW KOYNA	IntraState	25/04/2024	08:44			PO	Replacement of Diaphragm (oil leakage found) of OLTC ,Radiator valve repairing work,33 KV Neutral bushing gasket replacement ,Oil filtration etc
220/132 KV 200 MVA ICT 1	IntraState	29/04/2024	07:08	29/04/2024	22:29	PO	Pre-monsoon activities work.
220/110 kV 200 MVA ICT 2 @ MUDSHINGI	IntraState	29/04/2024	09:25	29/04/2024	18:38	PO	1) Annual Diagnostic testing of TF (C & tan delta,DFRA etc) 2) Quarterly maint. Work

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Apr/2024

Statement-VII

Position as on 6.30 Hrs of 30/Apr/2024

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/33KV 50 MVA PTR 2 @ HALKARNI	IntraState	29/04/2024	09:37	29/04/2024	16:04	PO	Quaterly Maintenance Work & 50MVA BHEL T/F-II painting work
220/132 KV 100 MVA ICT 1 @ PUSAD	IntraState	29/04/2024	10:18	29/04/2024	17:18	PO	Diagnostic testing work.
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