



***Maharashtra State Electricity Transmission
Company Ltd.***

State Load Dispatch Center, Airoli

Daily system Report

for

08/Apr/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 08/Apr/2010 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.648	982.247	1) Madhya Pradesh	49.928	383.777
2) Hydro	32.852	204.091	2) Gujrat	26.422	222.827
3) Gas	14.966	115.152	3) Goa	-6.908	-53.197
Total MSGENCO	164.466	1301.490	4) TAPS 1&2 (Inj.)	3.498	42.223
B) OTHERS			5) Pench (Excess)	-0.608	-2.926
1) RGPPL Gas	43.800	297.951	# Total Cent. Sector	72.332	592.704
2) Wind Generation	2.496	48.024	F) Other Exchanges		
3) CPP	4.932	34.963	1) With TPCL (Excess)	-7.937	-52.425
4) PENCH (MS)	0.608	2.926	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	4.892	38.213
1) TPCL Thermal	31.624	239.893	Include PX	2.268	17.257
2) TPCL Hydro	6.280	34.939	2) MUMBAI Bilateral	7.844	57.899
TOTAL TPCL	37.904	274.832	Include PX	0.755	6.106
3) REL Thermal	12.533	100.556	3) MUMBAI Schedule	7.844	57.899
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	160.805	1322.696	1) MSEDCL	280.697	2225.633
2) Hydro (A2+B3+C2)	39.740	241.956	2) TPCL	38.119	278.535
3) Gas (A3+B1)	58.766	413.103	3) REL	20.252	149.263
4) Wind (B2)	2.496	48.024	TOTAL STATE	339.068	2653.431
5) CPP (B3)	4.932	34.963			
TOTAL STATE	266.739	2060.742			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5108	4914	4730
MSGENCO Hydro	1104	2045	1651
MSGENCO Gas	600	612	646
MSGENCO Total Generation	6812	7571	7027
Central Sector Receipt	3247	2999	2664
RGPPL	1806	1835	1849
WIND	130	104	95
CPP	212	213	189
Exchange with TPCL	-537	-410	-140
MSEDCL DEMAND MET	11695	12337	11735
Load Shedding	3628	3784	1594
MSEDCL DEMAND (INCL. LS)	15323	16121	13329
TPCL GENERATION	1825	1827	1233
REL GENERATION	520	520	523
TPCL+REL DEMAND	2882	2757	1896
STATE DEMAND MET	14577	15094	13631
STATE DEMAND (INCL. LS)	18205	18878	15225
Frequency (Hz)	49.10	49.18	49.13
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4520 MW at 15.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			93.17 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.78 Hz at 05.04 Hrs	48.69 Hz at 19.13 Hrs	49.17	27.04 % of Time

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 08/Apr/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.72	13.76	74	67	75
Unit 2	1.56	11.78	71	46	65
Unit 3	1.78	13.04	84	54	75
Unit 4	1.59	12.11	82	44	70
Unit 5	2.20	17.83	166	0	0
Unit 6	3.97	31.26	182	150	150
Unit 7	4.89	37.20	211	197	200
	17.71	136.97			635
Bhusawal					
Unit 1	1.08	7.83	50	40	50
Unit 2	3.91	33.84	184	147	195
Unit 3	4.32	34.98	185	175	195
	9.31	76.65			440
Parli					
Unit 1	0.52	4.24	24	19	22
Unit 2	0.24	4.08	23	0	22
Unit 3	0.00	0.00	0	0	0
Unit 4	3.86	30.11	186	120	185
Unit 5	4.26	33.99	189	169	185
Unit 6	5.27	46.97	255	0	250
Unit 7	0.00	14.53	0	0	
	14.15	133.91			664
Chandrapur					
Unit 1	1.05	23.81	138	0	150
Unit 2	2.19	15.93	145	0	0
Unit 3	4.31	32.08	189	157	180
Unit 4	4.65	35.46	200	186	190
Unit 5	9.66	79.60	455	290	450
Unit 6	0.00	0.32	0	0	0
Unit 7	10.41	81.69	447	392	450
	32.28	268.90			1420
Paras					
Unit 2	0.99	7.89	45	38	46
Unit 3	5.66	46.25	247	220	230
Unit 4	2.41	16.90	116	60	
	9.05	71.03			276
Khaparkheda					
Unit 1	4.90	39.32	209	196	210
Unit 2	4.38	36.08	196	173	190
Unit 3	1.56	32.52	178	0	0
Unit 4	4.93	38.98	214	187	210
	15.77	146.90			610
Nasik					
Unit 1	2.22	18.18	98	85	100
Unit 2	2.13	17.19	96	70	90
Unit 3	4.78	38.88	206	185	210
Unit 4	4.45	36.38	198	174	190
Unit 5	4.82	37.24	206	196	210
	18.38	147.88			800
Koyna					
Stage 1-2	6.24	38.79	560	30	600
Stage 4	16.34	99.47	1110	0	250
Stage 3	5.07	29.02	320	0	320
	27.65	167.28			1170
Kovna 12&4 Total	22.58	138.26			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		14.97	115.15	656	595	630
		14.97	115.15			630
Hydro						
KDPH		0.89	3.31	38	37	38
VTRNA		1.26	8.81	61	0	61
TILLARI		0.36	2.92	60	0	60
BHTGR/VEER		0.13	1.64	6	5	13
BHIRA T.R.		0.36	1.76	82	0	80
RNGR+BHTSA		0.32	2.38	14	13	10
BHANDARDRA		0.77	5.77	32	32	30
ELDARY		0.00	1.07	0	0	0
SMLHY PTN		0.78	5.47	41	30	20
GHATGHAR		0.32	3.69	123	0	0
		5.20	36.81			312
PENCH (MS)						
Pench (MS)		0.61	2.93	51	0	
		0.61	2.93			
Wind						
MalharPeth		0.10	1.55			
Vankuswadi		0.29	3.48			
ATIT		0.27	1.46			
Kale		0.10	1.46			
Satara		0.09	2.57			
Shirala		0.10	1.50			
K Mahankal		0.01	1.21			
Supa		0.14	1.48			
Vita		0.59	7.55			
Dondaicha		0.18	16.20			
Sakri		0.04	2.89			
Nandurbar		0.04	2.38			
Khadakale		0.36	3.11			
Khaparale		0.20	1.19			
		2.50	48.02			
CPP						
TOTAL CPP		4.93	34.96			
		4.93	34.96			
Dabhol						
RGPPL		43.80	297.95	1855	1706	1850
		43.80	297.95			1850
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	79.68	415	415	400
Trombay 6		11.28	78.90	510	300	500
Trombay 7A		2.78	22.70	119	112	120
Trombay 7B		1.59	12.75	67	65	60
Trombay 8		6.02	45.88	255	247	250
TATA Hydro		6.28	34.94	471	0	447
		37.90	274.83			1777
REL						
1&2		12.53	100.56	525	520	500
		12.53	100.56			500
Cent Sect						
Share						3017
						3017
MS PG CL	Thermal	116.65	982.25			4845
	Thml+Gas	131.61	1097.40			5475
	Hydro	32.85	204.09			1482
	Total	164.47	1301.49			6957
State Total		266.74	2060.74			14101

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 08/Apr/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	4714	2093	647	7454	1850	83	190	2675	2845	-157	-133	12340	1659	13999	2127	16126	49.25
2	4669	1931	646	7246	1851	90	188	2669	2699	-157	-132	11993	1686	13679	2007	15686	49.21
3	4730	1651	646	7027	1849	95	189	2671	2664	-157	-140	11735	1594	13329	1896	15225	49.13
4	4742	1482	650	6874	1847	90	188	2548	2382	-69	-47	11385	2107	13492	1774	15266	49.17
5	4765	1435	654	6854	1848	111	188	2534	2572	-69	-48	11525	2247	13772	1722	15494	49.25
6	4786	1701	652	7139	1847	88	189	2535	2577	-69	-52	11788	2551	14339	1734	16073	49.14
7	4816	858	656	6330	1854	85	189	2957	2852	-112	-103	11207	3693	14900	1825	16725	49.24
8	4905	241	654	5800	1855	90	190	3018	2709	-111	-105	10539	3938	14477	1933	16410	49.24
9	4917	224	646	5787	1845	63	220	2966	2807	-86	-70	10652	4084	14736	2114	16850	49.26
10	4973	333	630	5936	1835	113	218	3345	3470	-465	-496	11099	3949	15048	2577	17625	49.42
11	5091	658	614	6363	1827	129	215	3353	3569	-465	-523	11605	3639	15244	2810	18054	49.34
12	5108	1104	600	6812	1806	130	212	3350	3247	-465	-537	11695	3628	15323	2882	18205	49.10
13	5032	1000	604	6636	1809	106	227	3440	3392	-560	-566	11653	3526	15179	2903	18082	49.19
14	4957	998	598	6553	1811	79	208	3437	3517	-560	-575	11642	3468	15110	2855	17965	49.16
15	4925	1136	595	6656	1798	65	206	3380	3346	-561	-603	11481	3657	15138	2936	18074	48.98
16	4919	1290	599	6808	1810	65	217	3331	3482	-561	-609	11790	3662	15452	2956	18408	49.09
17	4918	1261	605	6784	1815	126	219	3328	3302	-561	-573	11673	3696	15369	2920	18289	49.17
18	4867	1405	600	6872	1823	122	200	3332	3421	-561	-561	11877	3339	15216	2807	18023	49.08
19	4883	1501	613	6997	1837	83	214	2841	2826	-366	-370	11587	3662	15249	2718	17967	49.23
20	4914	2045	612	7571	1835	104	213	2964	2999	-366	-410	12337	3784	16121	2757	18878	49.18
21	4910	2283	607	7800	1834	113	215	2681	2834	-272	-252	12569	3377	15946	2607	18553	49.07
22	4759	2014	603	7376	1832	128	212	2912	2883	-272	-252	12230	3392	15622	2549	18171	49.03
23	4683	2092	611	7386	1776	157	216	3009	2842	-366	-345	12083	2895	14978	2534	17512	49.03
24	4665	2116	624	7405	1706	179	209	2978	3095	-453	-435	12210	1974	14184	2431	16615	49.03
MUs	116.65	32.85	14.97	164.47	43.80	2.49	4.93	72.25	72.33	-7.84	-7.94	280.70	75.21	355.90	58.37	414.28	49.17

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)

Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 08/Apr/2010

Position as on 6.30 Hrs of 09/Apr/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect KARPR1	220	01/07/2008	00:10		Continued.	COH(En-Mass Coolant Clanel Replacement)	30/04/2010
Parli Unit 3	210	11/03/2010	03.45		Continued.	Annual overhaul	17/04/2010
Chandrapur Unit 6	500	01/04/2010	01.15		Continued.	Annual Overhaul	30/04/2010
Cent_Sect NTPC(V-2)	210	01/04/2010	23.20		Continued.	Annual Overhaul	01/05/2010
Cent_Sect NTPC(K-1)	210	01/04/2010	23.52		Continued.	Annual Overhaul	01/05/2010
Cent_Sect Kawas GT2A	106	05/04/2010	00.11		Continued.	Combustion inspection.	09/04/2010
Chandrapur Unit 1	210	08/04/2010	08.36		Continued.	Annual Overhaul	03/05/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	W/Dn.	
Uran Unit 3	60	05/03/2010	09.49		Continued.	Gas Restriction.	
Parli Unit 7	250	04/04/2010	17.16		Continued.	Flame/Failure.	12/04/2010
Cent_Sect Tarapur 1	80	04/04/2010	21.25		Continued.	Condensor Tube Leakage.	09/04/2010
Koradi Unit 5	200	05/04/2010	13.30	08/04/2010	06.11	I.D.Fan Problem.	
Khaparkheda Unit 3	210	07/04/2010	04.33	08/04/2010	08.09	Boiler Tube Leakage.	
Koyna Unit 8	80	07/04/2010	22.05	08/04/2010	02.40	Excitation Problem	
Chandrapur Unit 2	210	07/04/2010	23.53	08/04/2010	04.58	Furnance pressure high	
Koyna ST-IV 2	250	08/04/2010	01.35	08/04/2010	05.43	Governor Oil Temp.high	
Chandrapur Unit 2	210	08/04/2010	05.11	08/04/2010	07.01	Drum Level High	
Parli Unit 2	30	08/04/2010	11.20	09/04/2010	06.55	Header line valve leakage	
Khaparkheda Unit 3	210	08/04/2010	18.41	09/04/2010	23.11	Boiler Tube Leakage	
Parli Unit 6	250	08/04/2010	21.18	09/04/2010	03.01	Furnance pressure high	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/Apr/2010

Position as on 6.30 Hrs of 09/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Taps-Boiser	08/04/2010	09.22	08/04/2010	19.45	Annual Maint.work
Kalmeshwar - Pandurna	09/04/2010	08.40	09/04/2010	17.39	Maint.work
Boiser-Taps	09/04/2010	08.42	09/04/2010	18.31	Maint.work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	26/03/2010	17.33		Continued.	H/T.
Akola - Aurangabad - II	31/03/2010	15.43	09/04/2010	12.39	Over Voltage.
Akola - Aurangabad - I	09/04/2010	13.00		Continued.	To control Aurangabad ICT loading.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
220KV TBC @LONIKAND	05/04/2010	11:20	08/04/2010	12:30	Service & Overhauling of breaker of 220KV TBC.
Padgha - Nagothane - I	09/04/2010	07.25	09/04/2010	11.45	Testing work
Padgha - BBLSWR - II	09/04/2010	11.59	09/04/2010	19.42	Insulator replacement
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	ICT replacement work.
220/132 KV 100 MVA ICT-II @ Chikali	07/04/2010	17.50		Continued.	Outage for replacement by 200 MVA ICT
Warora-Wardha	08/04/2010	08.15	08/04/2010	13.09	Replacement of broken E/W
Pusad -Parbhani	08/04/2010	08.21	08/04/2010	19.05	CT replacement
220/132 KV,100 MVA T/F-II @ Malegaon	08/04/2010	08.55		Continued.	ICT to be replaced with new 200MVA ICT
Bablsr-Ranjangaon	08/04/2010	09.00	08/04/2010	18.38	Q.M.Work
220/22KV 50MVA ICT-II at Mahad	08/04/2010	09.10	08/04/2010	19.15	Testing work
Pedambe-Mahad	08/04/2010	09.14	08/04/2010	19.10	Tandelta Testing
220/132 KV,100MVA ICT-I at Beed	08/04/2010	09.15		Continued.	Agumentation of 100 MVA ICT by 200 MVA ICT
Bus section-II at Mahad	08/04/2010	09.20	08/04/2010	19.15	Testing work
Sahara-B'dying	08/04/2010	09.55	08/04/2010	18.51	Maintenance work
Aurangabad-Chitegaon-I	08/04/2010	10.04	08/04/2010	14.47	Q.M.Work
Baramati-Jejuri	08/04/2010	10.05	08/04/2010	14.45	Q.M.Work
220/132 KV,200MVA ICT at Chinchwad	08/04/2010	10.29	08/04/2010	12.58	Maint.work
Theur - Magarpatta	08/04/2010	10.33	08/04/2010	15.33	Q.M.Work
Warora-Hinganghat	09/04/2010	08.07	09/04/2010	17.39	Replacement of broken earth wire.
Jindal - Ghatghar	09/04/2010	08.50		Continued.	Conductor replacement work
220/100KV 100MVA T/F at K'gaon	09/04/2010	09.05	09/04/2010	12.15	R.M.Work
220 KV MainBus-II at 400KV Kalwa	09/04/2010	10.49	09/04/2010	Continued.	Replacement of 29B Isolator
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
132 KV Interconnector I at Bhusawal	07/04/2010	10.47		Continued.	Q.M.Work
Boiser - Palghar - II	08/04/2010	10.35	08/04/2010	17.38	CT Replacement
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 315MVA ICT-I	06/04/2010	14.10		Continued.	L.V.side breaker on TBC(Own breaker

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/Apr/2010

Position as on 6.30 Hrs of 09/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
at Kharghar					overhauling work.
400/220 KV, 500 MVA ICT - II at Jejuri	08/04/2010	09.40	08/04/2010	13.22	Hot spot
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/100 KV, 200 MVA ICT-IV At Apta	08/04/2010	14.55	08/04/2010	15.15	LV Breaker Gas filling
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Koradi - Kaparkheda	25/03/2010	19:50		Continued.	H/T.
Bhusawal- Aurangabad	27/03/2010	18:22	09/04/2010	15.46	H/T for O/V.
Khadka - Deepnagar - II	31/03/2010	16.13		Continued.	Handtripped
Kolhapur-Jaigad-I	06/04/2010	17.35		Continued.	H/T
Bhusawal- Aurangabad	09/04/2010	20.45		Continued.	To control A'Bad ICT Loading
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/22 KV 50 MVA T/F - I @ Airoli	02/04/2010	23.02		Continued.	Hand Tripped.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Buldhana-Motala	07/04/2010	10.00		Continued.	To control load ICT-I at 220KV Chikhali
Mehkar - Malegaon	07/04/2010	17.26		Continued.	Outage of ICT-II at Chikhali
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV, 315 MVA ICT-IAT NAGOTHANE	08/04/2010	18.53	08/04/2010	20.30	OLTC Buchholz Trip
Voltage Level : 220KV			Outage Type TRIPPED		
K'gaon-Pirangut	08/04/2010	18.10	08/04/2010	18.48	Distance protection
Nagothane-Mahad	08/04/2010	19.21	08/04/2010	19.30	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
132/3.3 KV 6 MVA Stn T/F @ Paras	15/03/2010	16.16		Continued.	B Ph C T Burst.
132 KV Interconnector - I @ Bhusawal	07/04/2010	10.55		Continued.	Y phase CT Burst
Giravali-Gangakhed	09/04/2010	00.31	09/04/2010	13.15	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 09/Apr/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	60
Unit 3	105	70
Unit 4	105	70
Unit 5	200	170
Unit 6	210	180
Unit 7	210	200
	1040	825
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	195
	478	440
Parli		
Unit 1	30	22
Unit 2	30	0
Unit 3	210	0
Unit 4	210	110
Unit 5	210	185
Unit 6	250	250
Unit 7	250	
	1190	567
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	180
Unit 4	210	190
Unit 5	500	450
Unit 6	500	0
Unit 7	500	450
	2340	1420
Paras		
Unit 2	55	46
Unit 3	250	221
Unit 4	250	
	555	267
Khaparkheda		
Unit 1	210	192
Unit 2	210	172
Unit 3	210	0
Unit 4	210	195
	840	559
Nasik		
Unit 1	120	100
Unit 2	120	90
Unit 3	210	210
Unit 4	210	190
Unit 5	210	210
	870	800
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	640

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	640
Hydro		
KDPH	40	38
VTRNA	60	61
TILLARI	60	60
BHTGR/VEER	21	17
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	15
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	299
PENCH (MS)		
Pench (MS)	53	
	53	
Wind		
MalharPeth	0	
Vankuswadi	0	
ATIT	0	
Kale	0	
Satara	0	
Shirala	0	
K Mahankal	0	
Supa	0	
Vita	0	
Dondaicha	0	
Sakri	0	
Nandurbar	0	
Khadakale	0	
Khaparale	0	
	0	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1700
	960	1700
Tata		
Trombay 4	150	0
Trombay 5	500	420
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1797
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3236
	3143	3236

	17376	7 of 7 14220
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