



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Sep/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Sep/2012 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	83.478	1054.071	1) Gujrat	16.884	206.777
2) Hydro	12.579	138.845	2) Madhya Pradesh	19.685	295.851
3) Gas	7.488	131.131	3) Chattisgarh	10.810	156.000
Total MSGENCO	103.545	1324.047	4) Maharashtra	59.296	866.417
B) OTHERS			5) Goa	-5.797	-76.790
1) JSW JAIGAD	28.202	383.339	6) TAPS 1&2 Injection	4.055	53.815
2) WPCL	7.837	83.630	7) RGPPL Injection	12.424	192.308
3) Other CPP / IPP	5.856	82.716	8) Pench (Excess)	-1.089	-9.461
4) Wind Generation	15.903	213.393	# Total Cent. Sector	116.268	1684.917
5) PENCH (MS)	1.089	9.461	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-17.337	-224.139
1) TPCL Thermal	27.183	374.650	G) Bilateral Power *		
2) TPCL Hydro	4.120	59.891	1) MSEDCL Bilateral	34.465	489.380
TOTAL TPCL	31.303	434.541	Include PX	0.087	9.807
3) REL Thermal	6.329	88.361	2) MUMBAI Bilateral	18.670	226.154
D) STATE			Include PX	5.444	72.673
1) Thermal (A1+C1+C3)	116.990	1517.082	3) MUMBAI Schedule	18.670	228.883
2) Hydro (A2+B5+C2)	17.788	208.197	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.488	131.131	1) MSEDCL	261.363	3557.364
4) Wind (B4)	15.903	213.393	2) TPCL	37.654	509.013
5) CPP (B1+B2+B3)	41.895	549.685	3) REL	17.312	238.014
TOTAL STATE	200.064	2619.488	TOTAL STATE	316.329	4304.391

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3691	3247	3751
MSGENCO Hydro	316	1801	169
MSGENCO Gas	316	310	317
MSGENCO Total Generation	4323	5358	4237
Central Sector Receipt	5282	4649	4495
WIND	993	513	507
CPP / IPP	1784	1810	1750
Exchange with Mumbai	-956	-782	-550
MSEDCL DEMAND MET	11466	11600	10489
Load Shedding	293	577	68
MSEDCL DEMAND	11759	12177	10557
TPCL GENERATION	1633	1609	772
R-INFRA GENERATION	264	263	265
TPCL+R-INFRA DEMAND	2853	2654	1587
STATE DEMAND MET	14319	14254	12076
STATE DEMAND	14612	14831	12144
Frequency (Hz)	50.24	49.79	50.15

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.63 Hz at 08.04 Hrs	49.09 Hz at 19.01 Hrs	50.12	.71 % of Time(min)

* 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 14/Sep/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.16	26.25	110	70	95
Unit 6	2.90	29.34	135	92	132
Unit 7	2.52	33.38	145	70	70
Total	7.57	88.97			297
Bhusawal					
Unit 2	0.12	40.33	119	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	0.16	0.16	42	0	0
Unit 5	2.06	11.84	140	0	0
Total	2.34	52.34			0
Parli					
Unit 3	2.90	27.52	137	95	132
Unit 4	0.00	28.49	0	0	0
Unit 5	0.00	12.66	0	0	0
Unit 6	3.46	31.84	173	102	140
Unit 7	3.48	43.53	186	114	160
Total	9.84	144.04			432
Chandrapur					
Unit 1	3.58	34.52	157	142	140
Unit 2	3.62	32.07	163	132	160
Unit 3	0.37	0.37	74	0	0
Unit 4	3.42	18.80	160	120	150
Unit 5	7.45	81.10	390	230	350
Unit 6	6.84	78.71	331	255	300
Unit 7	6.70	95.99	350	200	250
Total	31.98	341.56			1350
Paras					
Unit 3	3.30	39.75	181	86	130
Unit 4	3.28	37.03	169	98	130
Total	6.58	76.79			260
Khaparkheda					
Unit 1	2.98	45.94	160	80	150
Unit 2	3.58	47.32	170	120	150
Unit 3	2.49	49.76	158	0	160
Unit 4	3.67	50.78	167	132	160
Unit 5	5.69	13.53	330	0	300
Total	18.43	207.33			920
Nasik					
Unit 3	4.70	54.48	210	175	190
Unit 4	1.11	55.50	190	0	0
Unit 5	0.92	33.07	150	0	0
Total	6.73	143.05			190
Uran					
All Units	7.49	131.13	318	284	300
Total	7.49	131.13			300
PENCH (MS)					
Pench (MS)	1.09	9.46	53	20	
Total	1.09	9.46			
Koyna					
Stage 1-2	3.10	35.82	530	40	600
Stage 4	2.57	14.61	567	0	250
Stage 3	1.47	19.61	320	0	320
Kovna 12&4 Total	5.66	50.43			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.14	70.03			1170
Hydro					
KDPH	0.94	10.30	40	39	36
VTRNA	0.00	0.66	0	0	0
TILLARI	0.67	8.83	60	0	60
BHTGR/VEER	0.42	2.99	18	17	9
BHIRA T.R.	0.32	5.94	81	0	80
RNGR+BHTSA	0.00	1.00	0	0	7
BHANDARDRA	0.56	10.96	24	23	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.20	17.09	58	47	0
GHATGHAR	1.33	11.04	240	0	0
Total	5.44	68.81			222
Wind					
MalharPeth	0.68	12.13			
Vankuswadi	1.02	20.72			
ATIT	0.20	4.59			
Kale	0.44	7.01			
Satara	4.18	37.77			
Shirala	0.38	8.59			
K Mahankal	0.10	17.34			
Supa	0.30	3.24			
Vita	3.03	41.12			
Dondaicha	2.92	31.53			
Sakri	0.67	6.62			
Nandurbar	0.17	2.36			
Khandke	1.35	14.02			
Khaparale	0.47	6.34			
Total	15.90	213.39			
CPP					
JSW JAIGAD	28.20	383.34	1205	1099	1095
WARDHA	7.84	83.63	371	233	300
Other CPPs	5.86	82.72			
Total	41.90	549.68			1395
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.75	148.92	504	287	500
Trombay 6	7.42	97.72	497	155	500
Trombay 7A	1.91	36.99	114	65	120
Trombay 7B	1.35	21.51	65	50	60
Trombay 8	5.76	69.51	250	197	250
TATA Hydro	4.12	59.89	306	0	297
Total	31.30	434.54			1727
REL					
1&2	6.33	88.36	265	263	250
Total	6.33	88.36			250
Cent Sect					
Share					5070
Total					5070

MS PG CL	Thermal	83.48	1054.07			3449
	Thml+Gas	90.97	1185.20			3749
	Hydro	12.58	138.84			1392
	Total	103.54	1324.05			5141
State Total		200.06	2619.49			13583

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/Sep/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3802	169	313	4284	460	1745	5101	5007	-702	-694	10855	34	10889	1865	12754	50.07
2	3708	169	314	4191	518	1747	4701	4565	-570	-608	10464	71	10535	1699	12234	50.11
3	3751	169	317	4237	507	1750	4504	4495	-467	-550	10489	68	10557	1587	12144	50.15
4	3681	184	316	4181	608	1736	4495	4565	-467	-502	10638	70	10708	1535	12243	50.32
5	3648	174	316	4138	530	1683	4465	4673	-467	-469	10605	121	10726	1537	12263	50.23
6	3564	234	315	4113	590	1706	4786	5049	-479	-450	11058	352	11410	1619	13029	49.97
7	3560	168	318	4046	582	1721	4962	5119	-533	-541	10979	812	11791	1793	13584	50.13
8	3412	238	314	3964	575	1757	5045	5307	-643	-622	11028	865	11893	1970	13863	50.23
9	3492	190	315	3997	720	1776	5102	5015	-726	-720	10835	826	11661	2273	13934	50.23
10	3551	270	316	4137	832	1778	5251	5371	-818	-793	11345	449	11794	2609	14403	50.18
11	3691	316	316	4323	993	1784	5456	5282	-1002	-956	11466	293	11759	2853	14612	50.24
12	3678	317	314	4309	997	1761	5488	5184	-1070	-986	11305	156	11461	2880	14341	50.13
13	3566	240	315	4121	933	1710	5404	5216	-1014	-929	11091	149	11240	2798	14038	50.11
14	3446	217	314	3977	882	1721	5245	5014	-951	-773	10864	87	10951	2650	13601	50.17
15	3501	222	311	4034	1020	1710	5047	4950	-938	-829	10905	74	10979	2711	13690	50.07
16	3454	217	300	3971	859	1636	5087	4974	-989	-891	10602	75	10677	2743	13420	50.20
17	3293	217	304	3814	780	1661	4968	5095	-947	-861	10542	61	10603	2747	13350	50.20
18	3328	232	310	3870	622	1677	4785	4589	-789	-739	10071	81	10152	2686	12838	50.18
19	3349	852	284	4485	496	1799	4788	4555	-765	-721	10666	220	10886	2649	13535	50.01
20	3247	1801	310	5358	513	1810	4851	4649	-857	-782	11600	577	12177	2654	14831	49.79
21	3174	1771	312	5257	487	1815	4449	4318	-884	-797	11132	535	11667	2555	14222	50.03
22	3145	1325	318	4788	440	1814	4487	4606	-890	-735	10965	522	11487	2336	13823	50.10
23	3185	1527	312	5024	515	1808	4437	4320	-873	-712	11005	195	11200	2187	13387	49.90
24	3251	1358	314	4923	446	1790	4394	4343	-828	-677	10845	146	10991	2033	13024	50.04
MUs	83.48	12.58	7.49	103.54	15.90	41.90	117.30	116.26	-18.67	-17.34	261.36	6.84	268.19	54.97	323.16	50.12

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 14/Sep/2012

Position as on 6.30 Hrs of 15/Sep/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	30/09/2012
Bhusawal Unit 3	210	01/08/2012	07.15		Continued.	Capital Overhaul	14/09/2012
Chandrapur Unit 3	210	10/08/2012	19.33	14/09/2012	14.24	I D Fan Problem.(Converted to AOH)	
Cent_Sect NTPC(V-6)	210	29/08/2012	01.16		Continued.	AOH.	
REL 2	250	01/09/2012	04.18		Continued.	Annual Overhauling.	21/09/2012
Cent_Sect NTPC(K-3)	210	06/09/2012	00.13		Continued.	AOH.	
FORCED OUTAGE							
Dabhol 1B	230	23/07/2012	15.57		Continued.	Combustion Inspection	
Dabhol 1X	290	10/08/2012	17.31		Continued.	Gas Shortage.	
Dabhol 1A	230	10/08/2012	17.33		Continued.	Gas Shortage.	
Dabhol 2B	230	19/08/2012	17.29		Continued.	Gas Shortage.	
Koyna ST-IV 2	250	20/08/2012	12.22		Continued.	Buchholz relay alarm.	
Bhusawal Unit 4	500	27/08/2012	17.50	14/09/2012	13.48	BLR T/L.	
Dabhol 3A	230	30/08/2012	23:49		Continued.	Gas Shortage.	
Uran Unit 7	108	01/09/2012	16.33		Continued.	Gas Shortage.	
CPP WPCL U-3	135	05/09/2012	07.08	14/09/2012	06.01	Wet Coal.	
Parli Unit 5	210	06/09/2012	04.20		Continued.	Flame failure.	
Uran Unit 8	108	10/09/2012	21.07		Continued.	Gas shortage.	
Uran Unit B0	120	10/09/2012	21.07		Continued.	Gas shortage.	
Parli Unit 4	210	11/09/2012	13.15		Continued.	Coal shortage.	
Nasik Unit 4	210	13/09/2012	21.40	14/09/2012	17.00	Main Steam Line Leakage	
Bhusawal Unit 2	210	14/09/2012	01.01		Continued.	Air Heater Problem	
Nasik Unit 5	210	14/09/2012	06.30		Continued.	Economiser Tube Leakage	
Bhusawal Unit 5	500	14/09/2012	14.25	14/09/2012	17.49	Drum Level High.	
Khaparkheda Unit 3	210	14/09/2012	16.41		Continued.	Boiler Tube Leakage.	
Bhusawal Unit 4	500	14/09/2012	18.04		Continued.	P A Fan Problem.	
Khaparkheda Unit 5	500	14/09/2012	18.29	15/09/2012	01.05	Flame Failure.	
Cent_Sect Sipat U-1	660	14/09/2012	19.02	15/09/2012	00.05	Due to 400KV Sipat-Rachi Line Tripped Due to C T Blast.	
Cent_Sect Sipat U-2	660	14/09/2012	19.02	15/09/2012	03.22	Due to 400KV Sipat-Rachi Line Tripped Due to C T Blast.	
Cent_Sect Sipat-4	500	14/09/2012	19.02		Continued.	Due to 400KV Sipat-Rachi Line Tripped Due to C T Blast.	
Cent_Sect sipat-5	500	14/09/2012	19.02	15/09/2012	00.36	Due to 400KV Sipat-Rachi	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 14/Sep/2012

Position as on 6.30 Hrs of 15/Sep/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
						Line Tripped Due to C T Blast.	
Cent_Sect Sipat U-1	660	15/09/2012	07.01		Continued.	Boiler Tube Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Sep/2012

Position as on 6.30 Hrs of 15/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Boiser - Tarapur	14/09/2012	14.09	14/09/2012	16.43	Connecting Protection C T.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Vasai-Boiser(PG)	14/09/2012	14.15	14/09/2012	17.02	To Attend Hot Spot of B Ph Jumper Connect Isolator A of 220KV PGCIL Line Bay With Main.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	24/08/2012	17.10		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	07/09/2012	16.14		Continued.	Over Voltage.
Kolhapur - Mapusa - I	12/09/2012	16.58		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	13/09/2012	16.45		Continued.	Over Voltage
Akola - Wardha - I	14/09/2012	20.20		Continued.	Over Voltage.
Akola - Aurangabad - I	14/09/2012	20.57		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220KV,200MVA Spare ICT at Kalwa.	22/08/2012	09.57		Continued.	Replacement of Isolator
New Koyana - Karad - I	03/09/2012	11.52		Continued.	Relay testing work.
Aurangabad-Deepnagar-II	07/09/2012	09.42		Continued.	Maint.Work,Daily Basis Line is Ready for Charging from 18.30 Hrs.
400/220 KV 315 MVA ICT-III @ Padgha	14/09/2012	15.30	14/09/2012	18.56	To Attend Fire Detector (FD) Trip Signal of CTR N2 Injection System.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
220/132 KV 150 MVA ICT-I @ Akola.	21/08/2012	09.18		Continued.	Augmentation by 200MVA ICT(work up to 14/9/2012)
Main Bus-II At 220 KV BBLSR	01/09/2012	20.37		Continued.	Replacement & Conversion of Twin Conductor to Quadrapale Conductor.
Kalwa I-Taloja	14/09/2012	07.02	14/09/2012	21.03	Repl.of Lineside & Aux.Bus Isolator.
Pedambe-Mahad	14/09/2012	10.05	14/09/2012	17.11	Maintenance Work.
220/132 KV 200 MVA ICT - I @ Kalmeshwar	14/09/2012	11.10	14/09/2012	16.24	Measurment of Tan Delta of H V & L V C T & Bushing.
Deepnagar - Bambhori	14/09/2012	11.30	14/09/2012	18.23	Attending Problem Observed During Monkey Petrolling on LOC.
Main Bus-II at parli 1	14/09/2012	16.47	14/09/2012	19.07	Emergency Outage for Replacement of Jumper of MB-II & Repl. of PT's of MB-II Under LES.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Boiser-Viraj-II	14/09/2012	08.05	14/09/2012	18.56	Replacement of Conductor.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Padgha - Bhivandi	14/09/2012	10.56	14/09/2012	15.46	Insulator Replacement Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/33KV 125MVA T/F- V at Versova	14/09/2012	08.55	14/09/2012	15.30	SF6 Gas Leakage.
220/33 KV 50 MVA T/F I @ Boisar II	14/09/2012	10.25	14/09/2012	12.40	Taken on TBC from H V Side Leakage Work.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Sep/2012

Position as on 6.30 Hrs of 15/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/100 KV 100 MVA ICT - I @ Vasai	14/09/2012	14.05	14/09/2012	17.17	To Attend Hot Spot of B Ph Jumper Connect Isolator A of 220KV PGCIL Line Bay With Main.
Main Bus - II @ Versova	14/09/2012	16.28	14/09/2012	20.57	SF6 Gas Leakage @ 220 KV GIS Bus Cable Chamber.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.
Bhusawal- Aurangabad	31/08/2012	12.33		Continued.	Over Voltage.
Karad - Kolhapur - II	08/09/2012	17.07	14/09/2012	10.20	Over Voltage.
Karad - Kolhapur - II	14/09/2012	16.46		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 MVA ICT-II @ Dhule	04/08/2012	17.21		Continued.	B Ph. H V Side ICT-II Bushing Burst.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Main Bus @ Pusad	14/09/2012	15.10	14/09/2012	15.32	Bus Bar Protection Operated .
Voltage Level : 132KV			Outage Type TRIPPED		
Bhusawal -Yawal	14/09/2012	09.22	14/09/2012	11.50	Distance Protection Operated Z-I B Ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Sep/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	60
Unit 6	210	110
Unit 7	210	90
	620	260
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	
Unit 5	500	
	1420	0
Parli		
Unit 3	210	130
Unit 4	210	0
Unit 5	210	0
Unit 6	250	150
Unit 7	250	160
	1130	440
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	100
Unit 4	210	150
Unit 5	500	300
Unit 6	500	300
Unit 7	500	300
	2340	1450
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	100
Unit 2	210	150
Unit 3	210	0
Unit 4	210	150
Unit 5	500	240
	1340	640
Nasik		
Unit 3	210	210
Unit 4	210	190
Unit 5	210	0
	630	400
Uran		
All Units	852	430
	852	430
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	36
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	17
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	23
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	
	611	231
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	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	600	1011
WARDHA	405	376
Other CPPs	0	
	1005	1387
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	297
	2024	1727
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	4488
	3455	4488

	18400	13173
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