



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Jul/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Jul/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	80.721	2266.043	1) Madhya Pradesh	54.249	1535.469
2) Hydro	7.798	241.881	2) Gujrat	27.645	596.793
3) Gas	15.453	414.864	3) Goa	-5.345	-150.463
Total MSGENCO	103.972	2922.788	4) TAPS 1&2 (Inj.)	6.943	192.161
B) OTHERS			5) Pench (Excess)	-0.059	-1.698
1) RGPPL Gas	15.703	566.375	# Total Cent. Sector	83.433	2172.262
2) Wind Generation	19.420	394.632	F) Other Exchanges		
3) CPP	5.088	145.304	1) With TPCL (Excess)	-12.459	-246.101
4) PENCH (MS)	0.059	1.698	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	1.275	19.596
1) TPCL Thermal	22.398	715.802	Include PX	2.040	64.961
2) TPCL Hydro	4.450	65.714	2) MUMBAI Bilateral	13.541	288.462
TOTAL TPCL	26.848	781.516	Include PX	4.624	88.147
3) REL Thermal	12.648	326.844	3) MUMBAI Schedule	13.541	288.462
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	115.767	3308.689	1) MSEDCL	215.216	5956.958
2) Hydro (A2+B3+C2)	12.307	309.293	2) TPCL	34.406	886.703
3) Gas (A3+B1)	31.156	981.239	3) REL	17.549	467.704
4) Wind (B2)	19.420	394.632	TOTAL STATE	267.171	7311.365
5) CPP (B3)	5.088	145.304			
TOTAL STATE	183.738	5139.157			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3380	2992	3668
MSGENCO Hydro	217	1073	98
MSGENCO Gas	646	640	660
MSGENCO Total Generation	4243	4705	4426
Central Sector Receipt	3750	4066	2821
RGPPL	651	651	658
WIND	887	650	830
CPP	199	201	238
Exchange with TPCL	-886	-691	-140
MSEDCL DEMAND MET	8844	9582	8833
Load Shedding	1221	2324	302
MSEDCL DEMAND (INCL. LS)	10065	11906	9135
TPCL GENERATION	1314	1274	753
REL GENERATION	527	521	525
TPCL+REL DEMAND	2727	2486	1418
STATE DEMAND MET	11571	12068	10251
STATE DEMAND (INCL. LS)	12792	14392	10553
Frequency (Hz)	49.98	49.38	50.27
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2931 MW AT 20.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			28.12 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.48 Hz at 12.03 Hrs	49.04 Hz at 19.12 Hrs	49.92	0 % 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 27/Jul/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.58	18.92	76	51	70
Unit 2	1.57	19.56	75	54	70
Unit 3	1.66	31.34	75	61	70
Unit 4	0.00	4.30	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	3.21	88.00	152	114	150
Unit 7	3.98	86.25	195	125	170
	11.98	248.37			530
Bhusawal					
Unit 1	0.00	2.66	0	0	0
Unit 2	1.37	70.37	135	0	120
Unit 3	3.29	87.98	155	110	140
	4.66	161.02			260
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	2.82	59.40	129	97	150
Unit 4	0.00	0.00	0	0	0
Unit 5	2.28	65.68	106	66	110
Unit 6	3.12	119.91	185	0	160
Unit 7	3.65	38.49	207	0	0
	11.86	283.48			420
Chandrapur					
Unit 1	3.62	82.81	158	125	160
Unit 2	0.00	72.92	0	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	3.37	106.31	170	105	150
Unit 5	4.52	67.07	230	130	180
Unit 6	4.68	149.47	255	128	200
Unit 7	6.33	134.32	308	230	250
	22.52	612.90			940
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	2.11	88.86	133	52	70
Unit 4	2.21	74.84	137	45	0
	4.32	163.70			70
Khaparkheda					
Unit 1	4.57	111.02	210	160	170
Unit 2	3.27	98.35	170	81	170
Unit 3	4.20	110.75	194	161	170
Unit 4	4.01	95.54	177	131	170
	16.06	415.67			680
Nasik					
Unit 1	0.00	39.70	0	0	0
Unit 2	1.55	40.54	72	58	80
Unit 3	2.98	97.14	165	80	160
Unit 4	3.25	103.05	164	60	160
Unit 5	1.54	100.48	160	0	160
	9.32	380.91			560
Koyna					
Stage 1-2	2.54	89.14	500	40	600
Stage 4	0.00	54.74	0	0	0
Stage 3	1.73	49.77	318	0	320
	4.28	193.65			920
Kovna 12&4 Total	2.54	143.88			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	15.45	414.86	661	623	630	
	15.45	414.86			630	
Hydro						
KDPH	0.00	1.44	0	0	0	
VTRNA	0.00	1.35	0	0	60	
TILLARI	0.62	6.63	60	0	60	
BHTGR/VEER	0.08	0.84	4	3	0	
BHIRA T.R.	0.40	7.78	41	0	80	
RNGR+BHTSA	0.08	0.69	4	3	4	
BHANDARDRA	0.76	2.12	32	31	29	
ELDARY	0.00	0.00	0	0	0	
SMLHY PTN	0.56	3.43	31	21	8	
GHATGHAR	1.02	23.94	250	0	0	
	3.52	48.23			241	
PENCH (MS)						
Pench (MS)	0.06	1.70	25	0	0	
	0.06	1.70			0	
Wind						
MalharPeth	0.84	15.62				
Vankuswadi	1.72	35.80				
ATIT	0.16	8.53				
Kale	0.98	14.43				
Satara	0.55	33.52				
Shirala	0.70	12.77				
K Mahankal	2.16	20.08				
Supa	0.33	5.82				
Vita	4.51	73.00				
Dondaicha	3.41	98.52				
Sakri	0.79	18.77				
Nandurbar	0.22	11.59				
Khadakale	1.95	27.07				
Khaparale	1.10	19.11				
	19.42	394.63				
CPP						
TOTAL CPP	5.09	145.30				
	5.09	145.30				
Dabhol						
RGPPL	15.70	566.38	658	650	630	
	15.70	566.38			630	
Tata						
Trombay 4	0.54	1.10	27	20	20	
Trombay 5	8.44	274.96	470	270	500	
Trombay 6	8.64	201.40	500	170	500	
Trombay 7A	0.00	63.88	0	0	0	
Trombay 7B	0.00	31.89	0	0	0	
Trombay 8	4.77	142.58	210	185	250	
TATA Hydro	4.45	65.71	390	75	447	
	26.85	781.52			1717	
REL						
1&2	12.65	326.84	530	521	500	
	12.65	326.84			500	
Cent Sect						
Share					3259	
					3259	
MS PG CL	Thermal	80.72	2266.04		3460	
	Thml+Gas	96.17	2680.91		4090	
	Hydro	7.80	241.88		1161	
	Total	103.97	2922.79		5251	
State Total		183.74	5139.16		11357	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/Jul/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	3700	162	657	4519	655	887	251	2670	2633	-347	-294	8651	671	9322	1709	11031	49.91
2	3755	98	658	4511	654	890	244	2674	2626	-277	-258	8667	645	9312	1575	10887	49.95
3	3758	103	658	4519	656	895	229	2694	2783	-232	-202	8880	499	9379	1480	10859	50.11
4	3668	98	660	4426	658	830	238	2648	2821	-160	-140	8833	302	9135	1418	10553	50.27
5	3668	98	656	4422	657	772	222	2669	3062	-160	-141	8994	302	9296	1389	10685	50.22
6	3598	114	655	4367	657	793	237	2670	3301	-160	-163	9192	457	9649	1444	11093	50.00
7	3606	104	652	4362	656	768	188	2832	3307	-319	-307	8974	548	9522	1678	11200	49.91
8	3638	139	661	4438	656	794	197	2951	3816	-438	-427	9474	974	10448	1834	12282	50.06
9	3578	154	637	4369	655	809	213	3068	3205	-533	-532	8719	1059	9778	2101	11879	50.00
10	3556	212	643	4411	654	832	188	3199	3631	-645	-659	9057	1283	10340	2414	12754	49.97
11	3417	212	638	4267	654	878	201	3396	3466	-841	-840	8626	1171	9797	2697	12494	50.06
12	3380	217	646	4243	651	887	199	3451	3750	-889	-886	8844	1221	10065	2727	12792	49.98
13	3383	191	649	4223	650	876	196	3420	3449	-865	-828	8566	1281	9847	2687	12534	49.99
14	3267	159	630	4056	654	905	200	3372	3395	-817	-782	8428	1153	9581	2625	12206	49.98
15	3127	225	636	3988	652	903	202	3359	3613	-793	-752	8606	1231	9837	2648	12485	49.87
16	3078	222	631	3931	654	953	199	3236	3255	-696	-658	8334	1455	9789	2639	12428	50.04
17	3064	231	637	3932	654	919	195	3305	3701	-769	-732	8669	1460	10129	2630	12759	49.86
18	3057	257	638	3952	654	788	197	3305	3739	-769	-724	8606	1418	10024	2591	12615	49.96
19	2915	574	629	4118	653	714	221	3344	3716	-769	-726	8696	2085	10781	2484	13265	49.69
20	2992	1073	640	4705	651	650	201	3548	4066	-736	-691	9582	2324	11906	2486	14392	49.38
21	3108	1217	623	4948	652	701	200	3480	3996	-641	-592	9930	1891	11821	2405	14226	49.40
22	3183	1030	641	4854	654	719	223	3450	4093	-617	-367	10200	1658	11858	2236	14094	49.67
23	3147	560	641	4348	655	661	223	3304	4265	-581	-333	9829	1431	11260	2092	13352	49.84
24	3077	348	637	4062	657	594	224	3115	3748	-485	-425	8860	1414	10274	1966	12240	49.89
MUs	80.72	7.80	15.45	103.97	15.70	19.42	5.09	75.16	83.44	-13.54	-12.46	215.22	27.93	243.15	51.96	295.10	49.92

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 27/Jul/2010

Position as on 6.30 Hrs of 28/Jul/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)	30/12/2010
Chandrapur Unit 3	210	26/05/2010	23.59		Continued.	Water Balancing Problem.	08/08/2010
Koradi Unit 5	200	26/06/2010	02:33		Continued.	Annual Overhaul.	30/07/2010
Cent_Sect NTPC (K-2)	210	30/06/2010	23.46	27/07/2010	02:19	Annual Overhaul.	27/07/2010
Cent_Sect Kawas ST2C	116	01/07/2010	00.08		Continued.	Annual Overhaul.	04/08/2010
Parli Unit 4	210	05/07/2010	09.27		Continued.	Capital Overhaul	07/08/2010
Koyna ST-IV 1	250	16/07/2010	00.00		Continued.	Preparing work for 2nd lake tapping.	15/11/2010
Koyna ST-IV 2	250	16/07/2010	00.00		Continued.	preparing work for 2nd lake tapping.	15/11/2010
Koyna ST - IV 3	250	16/07/2010	00.00		Continued.	Preparing work for 2nd lake tapping.	15/11/2010
Koyna ST - IV 4	250	16/07/2010	00.00		Continued.	preparing work for 2nd lake tapping.	15/11/2010
Tata Trombay 7B	60	25/07/2010	15.45		Continued.	Inspection and Maint.work	31/07/2010
Tata Trombay 7A	120	25/07/2010	17.39		Continued.	Main T/F replacement	31/07/2010
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	
Paras Unit 2	55	13/06/2010	17.35		Continued.	For Scrapping.	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Parli Unit 2	30	18/06/2010	06:26		Continued.	For Scrapping.	
Parli Unit 1	30	18/06/2010	12:11		Continued.	For Scrapping.	
Dabhol 1B	230	18/06/2010	13.09		Continued.	Unit Differential.	30/07/2010
Dabhol 1A	230	18/06/2010	13.09		Continued.	Unit Differential.	30/07/2010
Dabhol 1X	290	18/06/2010	13.09		Continued.	Unit Differential.	30/07/2010
Koradi Unit 4	115	06/07/2010	10.03		Continued.	Boiler Tube Leakage.	30/07/2010
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/07/2010
Dabhol 2B	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/07/2010
Dabhol 2X	290	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/07/2010
Chandrapur Unit 2	210	24/07/2010	22.43		Continued.	Reheater tube leakage.	
Bhusawal Unit 1	58	26/07/2010	01.25	28/07/2010	01.40	Abnormal Turbine Parameter due to Wet Coal.	
Nasik Unit 1	125	26/07/2010	10.30		Continued.	Boiler Tube Leakage.	29/07/2010
Cent_Sect NTPC(K-3)	210	26/07/2010	20.48	28/07/2010	02.36	Boiler Tube Leakage.	
Cent_Sect NTPC(V-10)	500	26/07/2010	21.57	27/07/2010	00:15	Flame Failure.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 27/Jul/2010

Position as on 6.30 Hrs of 28/Jul/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Nasik Unit 5	210	27/07/2010	11.20	28/07/2010	05.00	Due to Wet Coal and Bunkers.	
Bhusawal Unit 2	210	27/07/2010	12.56		Continued.	Boiler Tube Leakage.	30/07/2010
Parli Unit 7	250	27/07/2010	17.20	27/07/2010	19.26	Flame Failure.	
Parli Unit 6	250	27/07/2010	18.00	27/07/2010	22.56	Furnace Pressure Low.	
Parli Unit 6	250	27/07/2010	23.30	28/07/2010	03.17	Drum Level High.	
Bhusawal Unit 1	58	28/07/2010	03.45		Continued.	Trip.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jul/2010

Position as on 6.30 Hrs of 28/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - II	11/07/2010	13.07		Continued.	Over Voltage
Kolhapur-Mapusa Ckt I	16/07/2010	18.43		Continued.	Over Voltage
Akola - Aurangabad - I	21/07/2010	13.10		Continued.	Changeover.
Dhule-Sar'Sarovar - II	23/07/2010	15.17		Continued.	Over Voltage
Dhule-S'Sarovar I	27/07/2010	00.54	27/07/2010	18.33	Over Voltage.
Dhule-S'Sarovar I	28/07/2010	00.19		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrapur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
Lonikand- Koyna Stage IV	16/07/2010	10.52		Continued.	E/W replacement work (Ready)
Padgha - Kharghar	27/07/2010	08.37	27/07/2010	19.03	R.M.Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
Nagothane-Mahad	27/07/2010	09.22	27/07/2010	17.34	R.M.Work, Testing Work.
Vita - Miraj	27/07/2010	10.22	27/07/2010	17.38	Attending Red Hot & Q.M.Work.
Talangade - Mudshingi - I	27/07/2010	10.35	27/07/2010	14.06	Really Retrofitting & Commissioning Work.
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
HVDC Pole-I	27/07/2010	06.50	27/07/2010	07.28	Cheaking & Rectification of Capaction Sparking & Chaltering Noise @ Padgha.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Kalwa - Salshet - IV	27/07/2010	00.21	27/07/2010	05.20	To Attend Hot Spot on A Ph on Loc-2.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
80 MVAR Line Reactor of Lonikand - Karad @ Karad	04/03/2010	11.58		Continued.	Red Hot Spot Observed on Earthing.
Bhusawal- Aurangabad	19/06/2010	22.51		Continued.	Over Voltage
New Koyna - StageIV - I	23/07/2010	12.36	27/07/2010	08.09	Over Voltage
Karad-Lamboti	23/07/2010	19.33	27/07/2010	09.23	Over Voltage
New Koyna - Karad - I	23/07/2010	23.47		Continued.	Over Voltage
C'pur-Parli II	27/07/2010	00.08	27/07/2010	05.36	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Khaparkheda	24/07/2010	19.54		Continued.	Over Voltage.
Koyna IV - Jejuri	25/07/2010	23.26	27/07/2010	09.35	Over Voltage
Karad - Kolhapur - I	26/07/2010	10.02	27/07/2010	08.37	Over Voltage.
Jejuri-Koyna STG-IV	26/07/2010	23.11	27/07/2010	09.27	Over Voltage.
Karad-Kolhapur-II	26/07/2010	23.50		Continued.	Over Voltage.
New Koyna - Koyna Stage IV - II	27/07/2010	03.10		Continued.	Over Voltage.
400 KV A.C. - 2 @ Chandrapur	27/07/2010	12.18	27/07/2010	12.37	Trip.
Karad - Kolhapur - I	27/07/2010	12.56	27/07/2010	13.09	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jul/2010

Position as on 6.30 Hrs of 28/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
New Koyna - Dabhol - II	27/07/2010	16.39		Continued.	Decapping @ Loc.-10 Y Ph.46.97KM from Newkoyna end.
Karad - Kolhapur - I	27/07/2010	18.42		Continued.	Over Voltage.
Jejuri-Koyna STG-IV	27/07/2010	23.49		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	01/06/2010	03.57		Continued.	Oil Tank Burst.
Trombay-Kalwa	27/07/2010	21.01	27/07/2010	21.36	One end Triping.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Jul/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	45
Unit 3	105	60
Unit 4	105	0
Unit 5	200	0
Unit 6	210	140
Unit 7	210	160
	1040	465
Bhusawal		
Unit 1	58	0
Unit 2	210	0
Unit 3	210	150
	478	150
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	130
Unit 4	210	0
Unit 5	210	110
Unit 6	250	160
Unit 7	250	
	1190	400
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	0
Unit 4	210	190
Unit 5	500	200
Unit 6	500	200
Unit 7	500	250
	2340	1000
Paras		
Unit 2	55	0
Unit 3	250	150
Unit 4	250	0
	555	150
Khaparkheda		
Unit 1	210	160
Unit 2	210	120
Unit 3	210	160
Unit 4	210	160
	840	600
Nasik		
Unit 1	120	0
Unit 2	120	65
Unit 3	210	140
Unit 4	210	150
Unit 5	210	142
	870	497
Koyna		
Stage 1-2	600	600
Stage 4	1000	0
Stage 3	320	320
	1920	920
Uran		
All Units	852	640

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	640
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	2
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	147
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	630
	960	630
Tata		
Trombay 4	150	100
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1797
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3286
	3143	3286

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