



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Mar/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 06/Mar/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	131.401	709.010	1) Gujrat	7.427	61.133
2) Hydro	6.123	39.109	2) Madhya Pradesh	18.342	117.406
3) Gas	11.537	62.855	3) Chattisgarh	10.800	68.880
Total MSGENCO	149.061	810.974	4) Maharashtra	52.803	322.482
B) OTHERS			5) Goa	-6.675	-34.725
1) JSW JAIGAD	27.017	162.511	6) TAPS 1&2 Injection	6.418	33.745
2) WPCL	7.518	44.890	7) RGPPL Injection	24.806	134.593
3) Other CPP / IPP	8.043	46.704	8) Pench (Excess)	-0.776	-3.667
4) Wind Generation	12.109	43.782	# Total Cent. Sector	113.145	699.847
5) PENCH (MS)	0.776	3.667	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-7.369	-33.265
1) TPCL Thermal	27.795	160.086	G) Bilateral Power *		
2) TPCL Hydro	3.197	15.973	1) MSEDCL Bilateral	44.416	234.442
TOTAL TPCL	30.992	176.059	Include PX	0.785	0.785
3) REL Thermal	12.369	74.278	2) MUMBAI Bilateral	9.748	51.782
D) STATE			Include PX	-0.753	-9.567
1) Thermal (A1+C1+C3)	171.565	943.374	3) MUMBAI Schedule	9.748	51.782
2) Hydro (A2+B5+C2)	10.096	58.749	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.537	62.855	1) MSEDCL	310.300	1779.110
4) Wind (B4)	12.109	43.782	2) TPCL	34.251	191.573
5) CPP (B1+B2+B3)	42.578	254.105	3) REL	16.477	92.018
TOTAL STATE	247.885	1362.865	TOTAL STATE	361.028	2062.701

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	5531	5509	5302
MSGENCO Hydro	570	480	156
MSGENCO Gas	470	489	483
MSGENCO Total Generation	6571	6478	5941
Central Sector Receipt	5351	4942	4435
WIND	459	443	510
CPP / IPP	1917	1673	1558
Exchange with Mumbai	-502	-313	-152
MSEDCL DEMAND MET	13847	13273	12292
Load Shedding (LS)	1235	0	158
MSEDCL DEMAND (INCL. LS)	15082	13273	12450
TPCL GENERATION	1706	1639	815
REL GENERATION	529	526	457
TPCL+REL DEMAND	2737	2478	1424
STATE DEMAND MET	16584	15751	13716
Load Management (LM)	2108	3492	1598
Total Load Relief (LS+LM)	3343	3492	1756
UNRESTRICTED STATE DEMAND	19927	19243	15472
Frequency (Hz)	49.75	49.77	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.42 Hz at 18.02 Hrs	49.1 Hz at 22.33 Hrs	49.85	.22 % 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 06/Mar/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.31	20.45	145	128	140
Unit 6	3.46	16.36	169	115	165
Unit 7	3.92	14.49	175	140	175
Total	10.69	51.30			480
Bhusawal					
Unit 2	3.89	9.66	175	125	170
Unit 3	4.08	24.70	185	150	180
Unit 4	3.38	4.83	355	0	
Total	11.35	39.19			350
Parli					
Unit 3	1.69	1.69	130	0	19
Unit 4	3.86	25.01	192	129	190
Unit 5	3.87	22.82	169	146	169
Unit 6	4.20	27.31	190	155	175
Unit 7	3.23	24.14	184	93	100
Total	16.85	100.97			653
Chandrapur					
Unit 1	3.88	23.14	165	156	165
Unit 2	4.00	23.70	171	164	165
Unit 3	3.78	5.23	195	123	175
Unit 4	4.58	27.37	205	180	200
Unit 5	10.99	64.04	475	440	450
Unit 6	11.16	65.59	480	435	470
Unit 7	9.07	58.87	422	306	350
Total	47.46	267.95			1975
Paras					
Unit 3	5.50	34.38	255	183	210
Unit 4	4.97	25.22	250	150	210
Total	10.46	59.60			420
Khaparkheda					
Unit 1	5.14	30.18	220	210	210
Unit 2	4.58	26.75	200	180	200
Unit 3	5.23	14.60	224	188	210
Unit 4	5.31	31.65	223	217	210
Unit 5	0.00	0.00	0	0	
Total	20.26	103.18			830
Nasik					
Unit 3	5.13	30.46	220	200	210
Unit 4	4.58	28.13	208	180	200
Unit 5	4.62	28.23	203	185	190
Total	14.33	86.83			600
Uran					
All Units	11.54	62.86	489	470	450
Total	11.54	62.86			450
PENCH (MS)					
Pench (MS)	0.78	3.67	51	0	
Total	0.78	3.67			
Koyna					
Stage 1-2	1.38	11.16	215	40	600
Stage 4	0.00	0.24	0	0	250
Stage 3	0.32	2.88	160	0	320
Total	1.70	14.29			1170
Kovna 12&4 Total	1.38	11.40			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.92	4.44	39	38	20
VTRNA	0.00	0.00	0	0	0
TILLARI	0.24	1.83	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.12	0.70	64	0	41
RNGR+BHTSA	0.32	1.95	14	13	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.29	1.76	14	12	0
SMLHY PTN	1.27	5.45	53	53	11
GHATGHAR	1.26	8.68	250	0	0
Total	4.43	24.82			147
Wind					
MalharPeth	0.24	1.65			
Vankuswadi	0.43	2.62			
ATIT	0.05	0.74			
Kale	0.18	0.91			
Satara	0.29	3.72			
Shirala	0.18	1.00			
K Mahankal	0.90	2.60			
Supa	0.12	0.49			
Vita	0.80	4.87			
Dondaicha	6.46	18.22			
Sakri	0.90	2.56			
Nandurbar	0.68	1.99			
Khandke	0.34	1.17			
Khaparale	0.55	1.26			
Total	12.11	43.78			
CPP					
JSW JAIGAD	27.02	162.51	1215	971	1095
WARDHA	7.52	44.89	365	219	362
Other CPPs	8.04	46.70			
Total	42.58	254.10			1457
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.41	62.07	505	285	500
Trombay 6	7.12	39.40	417	155	500
Trombay 7A	3.02	16.29	129	119	120
Trombay 7B	1.66	8.87	70	67	60
Trombay 8	5.59	33.46	252	178	250
TATA Hydro	3.20	15.97	346	0	447
Total	30.99	176.06			1877
REL					
1&2	12.37	74.28	529	457	500
Total	12.37	74.28			500
Cent Sect					
Share					5153
Total					5153

MS PG CL	Thermal	131.40	709.01			5308
	Thml+Gas	142.94	771.86			5758
	Hydro	6.12	39.11			1317
	Total	149.06	810.97			7075
State Total		247.88	1362.86			16062

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/Mar/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	5275	156	483	5914	519	1631	4876	4913	-350	-270	12707	2008	12732	1643	16358	49.98
2	5239	161	485	5885	505	1566	4812	4540	-270	-190	12306	2082	12444	1496	15884	49.91
3	5302	156	483	5941	510	1558	4793	4435	-249	-152	12292	1756	12450	1424	15472	49.94
4	5344	166	485	5995	499	1553	4772	4323	-228	-104	12266	1941	12429	1379	15586	50.00
5	5432	166	482	6080	515	1568	4747	4184	-201	-114	12233	1963	12407	1388	15584	49.84
6	5392	171	483	6046	544	1763	4634	4504	-220	-167	12690	2306	13088	1508	16504	49.73
7	5497	156	479	6132	510	1887	4641	4954	-287	-218	13268	3193	14495	1686	18147	49.84
8	5571	162	481	6214	494	1913	4613	4767	-304	-235	13204	3646	14584	1849	18699	50.00
9	5605	238	482	6325	329	1912	4601	4539	-302	-296	12860	3642	14244	2123	18625	49.88
10	5544	418	478	6440	392	1905	4766	5118	-450	-444	13462	3397	14711	2434	19293	49.79
11	5562	544	478	6584	322	1920	5009	5163	-499	-449	13591	3374	14869	2666	19631	49.81
12	5531	570	470	6571	459	1917	5061	5351	-548	-502	13847	3343	15082	2737	19927	49.75
13	5642	415	478	6535	630	1910	5088	4913	-548	-457	13582	3362	14836	2677	19621	49.85
14	5632	382	478	6492	499	1878	5088	4890	-548	-393	13417	2898	14319	2532	18847	50.00
15	5567	193	476	6236	659	1890	4893	4954	-548	-427	13363	2372	13886	2531	18266	49.77
16	5509	162	472	6143	770	1906	4880	5014	-577	-412	13472	2352	13998	2521	18345	49.77
17	5392	172	473	6037	762	1917	4814	4509	-548	-388	12867	2498	13142	2490	17855	49.91
18	5343	163	476	5982	811	1901	4801	3958	-548	-372	12283	2676	12283	2424	17383	49.95
19	5312	218	479	6009	611	1768	4823	4431	-450	-308	12555	3438	12555	2394	18387	49.90
20	5509	480	489	6478	443	1673	4930	4942	-450	-313	13273	3492	13273	2478	19243	49.77
21	5527	360	487	6374	400	1644	4939	4843	-374	-289	13022	3482	13022	2379	18883	49.85
22	5724	175	487	6386	316	1656	5019	4398	-375	-292	12514	3471	12514	2169	18154	49.81
23	5629	157	485	6271	298	1685	4922	4581	-433	-314	12571	3331	12571	2036	17938	49.64
24	5321	182	488	5991	312	1657	4841	4920	-440	-263	12654	2740	12654	1766	17160	49.74
MUs	131.40	6.12	11.54	149.06	12.11	42.58	116.36	113.14	-9.75	-7.37	310.30	68.76	322.59	50.73	429.79	49.85

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 06/Mar/2012

Position as on 6.30 Hrs of 07/Mar/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	12/11/2011	21.25	06/03/2012	04.00	Annual Overhaul.	
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	09/03/2012
FORCED OUTAGE							
Dabhol 3B	230	04/02/2012	23.43		Continued.	Gas Shortage	
Khaparkheda Unit 5	500	13/02/2012	22.18		Continued.	Low Vacuum.	
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdrawn/Cold Standby	
Uran Unit 5	108	23/02/2012	11.35		Continued.	Gas Shortage	
CPP WPCL U-2	135	03/03/2012	04.13		Continued.	Withdrawn	
Cent_Sect NTPC(K-6)	500	03/03/2012	16.50		Continued.	Bottom Ash problem	
Cent_Sect NTPC(V-7)	500	06/03/2012	04.53		Continued.	Generator Protection Operated.	
Bhusawal Unit 4	500	06/03/2012	15.04	06/03/2012	18.24	Drum level high.	
CPP WPCL U-4	135	06/03/2012	19.20	06/03/2012	21.21	Flame Failure.	
Bhusawal Unit 4	500	06/03/2012	22.36		Continued.	Class A Protection operated.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Mar/2012

Position as on 6.30 Hrs of 07/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha - Talegaon (PG)	06/03/2012	15.24	06/03/2012	19.00	Taken on TBC at Padgha end.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Vasai-Boiser(PG)	06/03/2012	21.28	06/03/2012	21.30	Newly charged first time.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parly(PG) - Wardha (PG) - I	27/02/2012	08.31	06/03/2012	16.39	Due to outage on Wardha-Seoni ckt.
Dhule-Sar'Sarovar - I	28/02/2012	23.16	06/03/2012	06.57	Over Voltage.
Kolhapur - Mapusa - II	05/03/2012	13.46	06/03/2012	11.23	Over Voltage.
Dhule-Sar'Sarovar - II	06/03/2012	17.06		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Solapur (PG)-South Solapur I	28/02/2012	21.59		Continued.	H/T.After Test Charge.
Voltage Level : 220KV			Outage Type TRIPPED		
MUDSHINGI-CHIKODI	04/03/2012	05.33		Continued.	Distance Protection Z-I B Ph.
Nasik-Navsari-I	06/03/2012	04.48	06/03/2012	15.31	Distance Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/11 KV 80 MVA Station T/F 4A @ Deepnagar	03/01/2012	10.15		Continued.	Replacement of H V Bushing.
400/ 21.75 KV 600 MVA GT IV @ Deepnagar	05/01/2012	10.40		Continued.	Replacement of Y & B Ph. Bushing.
400/220 KV,500MVA ICT-II at Deepnagar.	10/01/2012	10.30		Continued.	Connection of L V Side Jumpers of ICT -II & Ouan Span Stringing & Testing Work.
Kalwa-Kharghar	22/02/2012	10.30		Continued.	Taken on TBC,connection IPS tube.
Main Bus - I @ Talandge	05/03/2012	14.11		Continued.	Erection of A Bus.
400/132 KV 200 MVA ICT - II @ Khadka	06/03/2012	08.30	06/03/2012	17.07	Replacement of CB isolator with E/B.
Bus Coupler @ Kharghar	06/03/2012	09.21		Continued.	Testing work.
Main Bus - I @ Kolhapur	06/03/2012	09.24		Continued.	Testing work.
400/220KV 315MVA ICT-II @ New Koyna	06/03/2012	09.54	06/03/2012	21.56	For CTR commissioning work.
New Koyna-Jaigad II	06/03/2012	10.30	06/03/2012	22.07	Cold line washing of insulator.
TBC at 400KV Aurangabad	06/03/2012	11.46	06/03/2012	13.30	Attending air leakage through B-Ph pole CB control valve.
Dabhol-Nagothane - II	06/03/2012	14.21	06/03/2012	20.18	R-Ph CT leakage.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA (Up to 30-03-2012)
Uran-Kharghar-II	15/02/2012	07.42		Continued.	Mumbai system strengthening work
Kharghar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthening work
Kharghar-TSS	18/02/2012	08.52		Continued.	Temporary Reconfigured as Uran-TSS at 20.30Hrs Dt.18/2/12
Uran - Kharghar - I	19/02/2012	07.50		Continued.	Mumbai System Strengthening Work.
Kalwa - Kharghar	21/02/2012	12.24		Continued.	Mumbai system strengthening work.
TBC @ Nasik	05/03/2012	10.25	06/03/2012	16.45	Outage.
Pophali - Karad	06/03/2012	08.32	06/03/2012	19.10	Erection of M/C tower at Loc.3 of

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Mar/2012

Position as on 6.30 Hrs of 07/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
					220KV Panama tapline of 220KV Pophali and Pedambe line.
Karad-Kedgaon	06/03/2012	09.31	06/03/2012	17.32	Replacement of STN by DTN.
220/132 KV 100 MVA T/F - II @ Peth	06/03/2012	10.05	06/03/2012	12.48	R.M.Work
220/100KV 200 MVA ICT-III @ Padgha	06/03/2012	10.10	06/03/2012	17.35	Replacement of LV side foundation.
Peth-Mudsingi-I	06/03/2012	10.24	06/03/2012	20.15	Replacement of CT's.
220/100 KV,200 MVA ICT-I @ Apta	06/03/2012	10.38	06/03/2012	17.25	CTR commissioning work.
Padgha-Boiser(PGCIL)	06/03/2012	10.39	06/03/2012	21.30	Lilo arrangement for 220KV Vasai S/S.
220/132KV 100 MVA ICT @ Yavatmal	06/03/2012	10.51	06/03/2012	15.40	Measurement of tan delta of CT.
220/132 KV 100 MVA ICT @ Sawangi	06/03/2012	11.00	06/03/2012	19.15	Measurement of tan delta of CT,Q.M.Work
Malegaon - Satana - I	06/03/2012	11.01	06/03/2012	15.32	Maintenance work.
Kalwa-Mulund-I	06/03/2012	15.52	06/03/2012	18.37	Testing work.
Padgha-Vasai	06/03/2012	19.50	06/03/2012	19.56	Newly charged first time.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10	07/03/2012	06.00	Breaker Problem(Ckt is on TBC)
Kalmeshwar-Hingna-II	06/03/2012	13.15	06/03/2012	17.29	Measurement of tan delta of CT.
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Miraj-Vishrambag.	06/03/2012	12.13	06/03/2012	13.55	Q.M.Work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Bhusawal- Aurangabad	05/03/2012	16.20	06/03/2012	06.56	Over Voltage.
Karad - Kolhapur - II	05/03/2012	16.24	06/03/2012	09.06	Over Voltage.
Bhusawal- Aurangabad	06/03/2012	16.15		Continued.	Over Voltage.
Karad - Kolhapur - II	06/03/2012	21.01		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bale-Murud	22/02/2012	22.00	06/03/2012	19.00	Due to Lamboti ICT loading.
Theur-Phursungi-I	01/03/2012	14.06	06/03/2012	19.00	Control the load of 400KV Lonikand and Jejuri.
Chandrapur - Warora	01/03/2012	18.54		Continued.	To control Warora-Wardha line loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buchholz Alarm Persisting
Dhabhol - Nagothane - I	06/03/2012	16.38	06/03/2012	22.19	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip,Diff.Prot.operated,PRV tripped(Failed).
Apta-Tambati	06/03/2012	03.06	06/03/2012	11.25	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Boisar-MIDC	06/03/2012	04.34	06/03/2012	05.00	Tripped.
IOL MIDC-Boiser-I	06/03/2012	04.34	06/03/2012	05.45	Distance Protection
Boisar MIDC - Dahanu - II	06/03/2012	04.34	06/03/2012	11.50	Tripped.
Boisar(MIDC)-Dahanu - I	06/03/2012	04.34	06/03/2012	05.28	Tripped

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 07/Mar/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	150
Unit 7	210	170
	620	460
Bhusawal		
Unit 2	210	170
Unit 3	210	180
Unit 4	500	
	920	350
Parli		
Unit 3	210	135
Unit 4	210	170
Unit 5	210	165
Unit 6	250	170
Unit 7	250	110
	1130	750
Chandrapur		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	160
Unit 4	210	200
Unit 5	500	450
Unit 6	500	470
Unit 7	500	425
	2340	2035
Paras		
Unit 3	250	190
Unit 4	250	190
	500	380
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	840
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	210
	630	630
Uran		
All Units	852	470
	852	470
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	38
VTRNA	60	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	203
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	990
WARDHA	405	342
Other CPPs	0	
	1005	1332
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	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4996
	3455	4996

	17900	7 of 7 15993
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