



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Jul/2009

State Load Dispatch Center,Airoli (MSETCL)
Daily system Report for 22/Jul/2009 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	67.974	2124.490	1) Madhya Pradesh	47.990	1012.608
2) Hydro	7.568	142.485	2) Gujrat	21.278	388.335
3) Gas	12.392	273.181	3) Goa	-5.806	-120.291
Total MSGENCO	87.934	2540.156	4)TAPS 1&2 (Inj.)	5.347	81.921
B) OTHERS			5)Pench (Excess)	0.058	-2.781
1) RGPPL Gas	22.438	487.044	# Total Cent. Sector	68.867	1359.792
2) Wind Generation	18.715	334.581	F) Other Exchanges		
3) PENCH (MS)	0.471	4.439	1) With TPCL	-3.988	-95.083
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	27.527	610.727	1) MSEDCL Bilateral	5.872	56.160
2) TPCL Hydro	5.064	72.679	Include PX	0.934	2.020
TOTAL TPCL	32.591	683.406	2) MUMBAI Bilateral	4.189	90.561
3) REL Thermal	12.697	263.668	Include PX	1.866	35.974
D) STATE			3) MUMBAI Schedule	4.189	99.991
1) Thermal (A1+C1+C3)	108.198	2998.885	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	13.103	219.603	1) MSEDCL	194.437	4635.368
3) Gas (A3+B1)	34.830	760.225	2) TPCL	32.458	688.992
4) Wind (B2)	18.715	334.581	3) REL	16.816	353.159
TOTAL STATE	174.846	4313.294	TOTAL STATE	243.711	5677.519

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	3007	3346	2017
MSGENCO Hydro	249	881	180
MSGENCO Gas	649	540	334
MSGENCO Total Generation	3905	4767	2531
Central Sector Receipt	3056	2922	3226
RGPPL	936	935	934
WIND	504	984	826
Exchange with TPCL	-427	-236	39
MSEDCL DEMAND MET	7974	9397	7591
Load Shedding	1716	1609	394
MSEDCL DEMAND (INCL. LS)	9690	11006	7985
TPCL GENERATION	1553	1617	886
REL GENERATION	530	527	530
TPCL+REL DEMAND	2510	2380	1377
STATE DEMAND MET	10484	11777	8968
STATE DEMAND (INCL. LS)	12200	13386	9362
Frequency (Hz)	49.55	49.66	49.46
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2021 MW AT 11.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			35.62 MUs

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.21 Hz at 17.03 Hrs	49.13 Hz at 08.43 Hrs	49.61	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 22/Jul/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.04	23.38	66	0	50
Unit 2	0.00	11.27	0	0	0
Unit 3	0.88	21.43	67	0	30
Unit 4	0.00	0.00	0	0	0
Unit 5	2.20	53.03	160	0	100
Unit 6	2.40	68.04	171	0	100
Unit 7	0.00	47.54	0	0	0
	6.52	224.69			280
Bhusawal					
Unit 1	0.37	18.95	37	0	0
Unit 2	0.00	66.69	0	0	0
Unit 3	3.30	78.41	156	118	130
	3.67	164.06			130
Parli					
Unit 1	0.24	10.00	22	0	0
Unit 2	0.53	11.95	25	0	20
Unit 3	2.37	35.74	146	0	150
Unit 4	1.72	72.81	152	0	0
Unit 5	2.34	80.46	169	0	0
Unit 6	0.00	0.00	0	0	0
	7.20	210.95			170
Chandrapur					
Unit 1	2.85	79.43	145	82	150
Unit 2	2.79	77.23	148	103	145
Unit 3	2.65	85.06	148	38	95
Unit 4	2.68	83.91	149	65	140
Unit 5	6.07	200.07	265	104	150
Unit 6	6.45	174.55	302	230	400
Unit 7	0.00	141.54	0	0	0
	23.49	841.80			1080
Paras					
Unit 2	0.37	18.17	39	0	20
Unit 3	1.91	90.73	118	57	80
	2.28	108.90			100
Khaparkheda					
Unit 1	3.81	86.53	174	101	160
Unit 2	3.77	82.30	170	132	150
Unit 3	3.30	87.01	166	0	105
Unit 4	2.49	86.44	170	0	415
	13.36	342.29			830
Nasik					
Unit 1	0.00	8.17	0	0	0
Unit 2	1.45	24.04	77	42	70
Unit 3	2.21	21.28	172	0	0
Unit 4	3.95	93.29	176	144	170
Unit 5	3.84	85.04	175	138	160
	11.45	231.81			400
Uran					
All Units	12.39	273.18	649	334	600
	12.39	273.18			600
Koyna					
Stage 1-2	1.87	34.00	330	30	600
Stage 4	1.51	39.38	492	0	250
Koyna 12&4 Total	3.38	73.38			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	1.52	29.46	282	0	320
	4.90	102.84			1170
Hydro					
KDPH	0.00	1.21	0	0	0
VTRNA	0.43	5.00	61	0	60
TILLARI	0.87	13.81	60	0	60
BHTGR/VEER	0.00	0.43	0	0	0
BHIRA T.R.	0.52	6.62	83	0	80
RNGR+BHTSA	0.03	3.62	2	0	6
BHANDARDRA	0.82	3.60	34	34	34
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.00	0.00	0	0	0
GHATGHAR	0.00	5.35	0	0	0
	2.66	39.65			240
PENCH (MS)					
Pench (MS)	0.47	4.44	51	0	
	0.47	4.44			
Wind					
MalharPeth	0.99	17.49			
Vankuswadi	2.21	38.38			
ATIT	0.37	8.14			
Kale	0.25	6.27			
Satara	2.00	26.20			
Shirala	0.95	14.61			
K Mahankal	0.16	7.66			
Supa	0.50	6.60			
Vita	2.97	76.14			
Dondaicha	5.24	80.10			
Sakri	0.50	12.30			
Nandurbar	0.49	9.16			
Khadakale	1.07	18.48			
Khaparale	1.02	13.04			
	18.72	334.58			
Dabhol					
RGPP L II	22.44	487.04	938	931	890
RGPP L III	0.00	0.00	0	0	
	22.44	487.04			890
Tata					
Trombay 4	0.00	0.04	0	0	0
Trombay 5	11.17	238.01	470	440	500
Trombay 6	9.90	221.56	510	150	500
Trombay 7A	2.27	60.20	100	85	100
Trombay 7B	0.00	6.13	0	0	0
Trombay 8	4.18	84.77	197	140	175
TATA Hydro	5.06	72.68	404	56	447
	32.59	683.41			1722
REL					
1&2	12.70	263.67	532	523	500
	12.70	263.67			500
Cent Sect					
Share					2716
					2716

MS PG CL	Thermal	67.97	2124.49		2990
	Thml+Gas	80.37	2397.67		3590
	Hydro	7.57	142.48		1410
	Total	87.93	2540.16		5000
State Total		174.85	4313.29		10828

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/Jul/2009

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	MUMBAI		MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	MUMBAI DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS						SCH.	EXCH.						
1	1902	610	396	2908	935	1032	2642	2696	4	28	7650	557	8207	1665	9872	49.35
2	1979	310	380	2669	936	939	2643	3011	4	33	7638	557	8195	1471	9666	49.52
3	2002	152	365	2519	937	896	2625	3170	4	34	7607	572	8179	1415	9594	49.70
4	2011	79	398	2488	936	924	2472	3260	4	36	7679	393	8072	1395	9467	49.81
5	2017	180	334	2531	934	826	2470	3226	4	39	7591	394	7985	1377	9362	49.46
6	2153	668	442	3263	936	768	2480	2953	4	32	7987	579	8566	1448	10014	49.41
7	2384	165	500	3049	937	740	2534	2791	4	29	7581	1462	9043	1600	10643	49.66
8	2541	165	573	3279	937	527	2724	2748	9	31	7532	1537	9069	1784	10853	49.83
9	2804	208	634	3646	938	551	2790	2710	9	28	7883	1629	9512	2047	11559	49.64
10	2927	338	646	3911	936	512	2990	3043	-250	-283	8129	1602	9731	2355	12086	49.60
11	3007	249	649	3905	936	504	2967	3056	-392	-427	7974	1716	9690	2510	12200	49.55
12	3118	214	586	3918	936	432	2987	3142	-458	-494	7934	1576	9510	2577	12087	49.52
13	3168	153	549	3870	931	445	2988	3081	-439	-481	7846	1554	9400	2543	11943	49.57
14	3160	138	548	3846	935	477	2890	2880	-317	-356	7782	1581	9363	2448	11811	49.62
15	3127	138	540	3805	934	567	2841	2667	-300	-338	7635	1569	9204	2442	11646	49.58
16	3134	133	542	3809	933	681	2832	2799	-300	-337	7885	1092	8977	2442	11419	49.73
17	3247	144	541	3932	931	921	2860	2892	-337	-376	8300	953	9253	2456	11709	49.63
18	3333	162	545	4040	935	1150	2914	2731	-331	-313	8543	955	9498	2410	11908	49.87
19	3364	291	543	4198	933	1043	2708	2801	-257	-234	8764	1264	10028	2387	12415	49.69
20	3346	881	540	4767	935	984	2619	2922	-257	-236	9397	1609	11006	2380	13386	49.66
21	3377	1022	522	4921	935	1001	2588	2642	-229	-181	9343	1443	10786	2265	13051	49.52
22	3381	787	536	4704	935	884	2535	2547	-168	-119	8977	1383	10360	2129	12489	49.45
23	3355	257	544	4156	935	916	2538	2703	-96	-49	8686	1116	9802	1937	11739	49.74
24	3137	124	539	3800	932	995	2671	2396	-105	-54	8094	886	8980	1793	10773	49.43
MUs	67.97	7.57	12.39	87.93	22.44	18.72	65.31	68.87	-4.19	-3.99	194.44	27.98	222.42	49.28	271.69	49.61

NOTE : ALL VALUES IN MW

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

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 22/Jul/2009

Position as on 6.30 Hrs of 23/Jul/2009

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)	31/03/2010
Parli Unit 6	250	03/06/2009	06.35		Continued.	Annual Overhaul	20/07/2009
Cent_Sect Tarapur 2	80	16/06/2009	22:10	22/07/2009	01:17	Refueling Outage.	
Nasik Unit 1	125	05/07/2009	6:15		Continued.	Annual Overhaul.	09/08/2009
Chandrapur Unit 7	500	16/07/2009	04:53		Continued.	A/OH.	16/08/2009
Cent_Sect NTPC(V-7)	500	18/07/2009	23.27		Continued.	Annual Overhaul.	20/08/2009
Koradi Unit 7	210	20/07/2009	09.57		Continued.	Annual Overhaul	
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	20/12/2009
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	15/02/2010
Dabhol 1B	230	22/01/2009	12.05		Continued.	BHMS Installation work	25/10/2009
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Cent_Sect Kawas ST1C	116	03/06/2009	16:33		Continued.	Bearing Temp. High	27/07/2009
Koradi Unit 4	115	28/06/2009	14.18		Continued.	Coal Bunkering problem.	22/07/2009
Tata Trombay 4	150	01/07/2009	00:46		Continued.	W/dn	
Tata Trombay 7B	60	04/07/2009	21.12		Continued.	GT.Bucholz Operated.	10/08/2009
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Uran Unit 8	108	20/07/2009	22:52	22/07/2009	22:07	Gas Restriction.	
Uran Unit B0	120	20/07/2009	23.12	22/07/2009	04.36	Withdrawn	
Bhusawal Unit 1	58	21/07/2009	00.27	22/07/2009	07:56	Withdrawn	
Parli Unit 5	210	21/07/2009	00.29	22/07/2009	06:35	Withdrawn	
Paras Unit 2	55	21/07/2009	00.32	22/07/2009	11:23	Withdrawn	
Uran Unit A0	120	21/07/2009	00.56	22/07/2009	02.16	Withdrawn	
Parli Unit 1	30	21/07/2009	01.04	22/07/2009	12:43	Withdrawn	
Parli Unit 3	210	21/07/2009	01.04	22/07/2009	04:09	Withdrawn	
Parli Unit 4	210	21/07/2009	01.06	22/07/2009	11:13	Withdrawn	
Nasik Unit 3	210	21/07/2009	01.10	22/07/2009	08:10	Withdrawn	
Parli Unit 2	30	21/07/2009	01.32	22/07/2009	01.13	Withdrawn	
Koradi Unit 3	105	21/07/2009	01.47	22/07/2009	05.17	Withdrawn	
Koradi Unit 1	105	21/07/2009	01.57	22/07/2009	02.55	Withdrawn	
Koradi Unit 2	105	21/07/2009	02.13		Continued.	Withdrawn	
Koradi Unit 5	200	21/07/2009	02.40	22/07/2009	05.47	Withdrawn	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 22/Jul/2009

Position as on 6.30 Hrs of 23/Jul/2009

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Khaparkheda Unit 4	210	21/07/2009	06.47	22/07/2009	07:15	Withdrawn	
Khaparkheda Unit 3	210	21/07/2009	06.55	22/07/2009	01.56	Withdrawn	
Koradi Unit 6	210	21/07/2009	07.56	22/07/2009	06.15	Withdrawn	
Bhusawal Unit 2	210	21/07/2009	10.10		Continued.	Withdrawn	
Cent_Sect sipat-5	500	22/07/2009	02.12	22/07/2009	05:43	Flame Failure	
Chandrapur Unit 5	500	22/07/2009	23:32		Continued.	Sec. Air Heater Prob.	23/07/2009
Paras Unit 2	55	23/07/2009	03:41		Continued.	Coal Bunkering Prob.	25/07/2009

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jul/2009

Position as on 6.30 Hrs of 23/Jul/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
KALMESHVAR-PANDURNA	21/07/2009	15:15	22/07/2009	17:35	On TBC, Main BKR Trip CKT Faulty.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	01/07/2009	09:12		Continued.	H/T FOR O/V
AKOLA-WARDHA--I	09/07/2009	06:32		Continued.	H/T FOR O/V
Kolhapur-Mapusa-II	19/07/2009	23.35	22/07/2009	08:50	H/T for Over Voltage
DHULE-SAR'SAROVAR-I	21/07/2009	07:30		Continued.	H/T for O/V.
Kolhapur-Mapusa Ckt I	22/07/2009	13:13		Continued.	H/T for O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-II	19/06/2009	16:13		Continued.	3 Tower Collopped.
Dhule-Sar'Sarovar II	23/07/2009	00:18		Continued.	H/T For O/V.
Voltage Level : 220KV			Outage Type TRIPPED		
Boiser-Taps	22/07/2009	02:45	22/07/2009	03:23	Sparking @ Boiser end.
IntraState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Nasik-Bablsr Ckt I	09/07/2009	09:45		Continued.	CKT on TBC,for Main Breaker Replacement.
220/132 KV,63 MVA,ICT-2 at Lonand.	10/07/2009	12.10		Continued.	HV C.B.Repl.(ICT is on TBC)
Bus Coupler at Khaparkheda	16/07/2009	11.57		Continued.	C.B.O/H Work.
Padgha-Jambhul II	22/07/2009	10:44		Continued.	Numerical Relay Retrofitting.
220/132 Kv200 MVA ICT at Kalmeshwar	22/07/2009	12:40	22/07/2009	17:14	CTR Fire Prot.Work by Co.Representative Work.
Lonand - Baramati	22/07/2009	15:00	22/07/2009	18:40	Retrofitting Scheme.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,315MVA ICT-II at BBLSR	18/07/2009	01.33		Continued.	H/T H V Side & L V Side Breakers due to fire in cable.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
BBLSR-RANJANGAON	18/07/2009	06.02	22/07/2009	00:41	To Control ICT Loading.
Parli-Osmanabad	21/07/2009	05.55	22/07/2009	11:34	H/T to control Girwali ICT Load
Koradi-Butibori	21/07/2009	06.40	22/07/2009	07:49	To control Koradi ICT Loading
Wardha--Dhamangaon	21/07/2009	18.57		Continued.	To control Koradi ICT Loading
Wardha-Badnera	21/07/2009	18.58		Continued.	to control Koradi ICT Loading
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC POLE - II	22/07/2009	21:49	23/07/2009	01:00	AC Conductor ground fault. Protection Alarm.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Chandrapur	23/07/2009	01:25		Continued.	O/V @ C'PUR end.
Voltage Level : 220KV			Outage Type TRIPPED		
Pusad-Nanded	22/07/2009	02:25	22/07/2009	02:45	D/P,R-E,Z-1.
Bableshtar - Ahemednagar ckt. I	22/07/2009	04.49	22/07/2009	05.26	Tripped on Distance Prot.
BBLSWR-ANAGAR CKT I	22/07/2009	04:49	22/07/2009	05:26	D/P.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jul/2009

Position as on 6.30 Hrs of 23/Jul/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Vita - Ghatnandre	22/07/2009	07:14	22/07/2009	16:30	Y-Ph Jumper Opened.
220/132kv,100MVA ICT-I at khadka	22/07/2009	10:39	22/07/2009	13:25	Buchholz Alarm.
Talandge - Sawantwadi	22/07/2009	14:51	22/07/2009	20:20	D/P,R-E
Murud-Bale	22/07/2009	17:50		Continued.	Y-Ph PT Failed.
Apta-Kalwa	22/07/2009	20:05	23/07/2009	01:20	D/P, Y-E
220/132 KV 150 MVA ICT - I @ NSK.	22/07/2009	23:03		Continued.	PRV Operated.
BBLSR-RANJANGAON	23/07/2009	05:43	23/07/2009	06:10	Trip D/P.
Voltage Level : 132KV			Outage Type TRIPPED		
Boisar-MIDC	21/07/2009	12.30	22/07/2009	01.06	Jumper Broken
Pardi-Ambazari	22/07/2009	21:11	22/07/2009	21:36	D/P
Pardi- Kanhan	22/07/2009	21:11		Continued.	D/P.
Pardi- Besa	22/07/2009	21:11	22/07/2009	21:49	D/P.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Jul/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	0
Unit 3	105	50
Unit 4	105	0
Unit 5	200	150
Unit 6	210	160
Unit 7	210	0
	1040	420
Bhusawal		
Unit 1	58	30
Unit 2	210	0
Unit 3	210	150
	478	180
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	150
Unit 4	210	150
Unit 5	210	150
Unit 6	250	0
	940	490
Chandrapur		
Unit 1	210	120
Unit 2	210	120
Unit 3	210	150
Unit 4	210	150
Unit 5	500	0
Unit 6	500	350
Unit 7	500	0
	2340	890
Paras		
Unit 2	55	36
Unit 3	250	0
	305	36
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
	840	640
Nasik		
Unit 1	120	0
Unit 2	120	90
Unit 3	210	170
Unit 4	210	170
Unit 5	210	160
	870	590
Uran		
All Units	852	640
	852	640
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	6
BHANDARDRA	45	28
ELDARY	23	0
PAITHAN	12	0
GHATGHAR	250	0
	611	234
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	
Dabhol		
RGPL II	960	890
RGPL III	740	
	1700	890
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	100
Trombay 7B	60	0
Trombay 8	250	150
TATA Hydro	444	447
	2024	1697
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2650
	3143	2650

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