



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Oct/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Oct/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	107.206	2254.628	1) Gujrat	10.313	330.770
2) Hydro	4.523	485.902	2) Madhya Pradesh	20.994	509.601
3) Gas	15.434	358.551	3) Chattisgarh	13.100	294.740
Total MSGENCO	127.163	3099.081	4) Maharashtra	41.956	1037.338
B) OTHERS			5) Goa	-6.125	-150.389
1) JSW JAIGAD	28.097	526.964	6) TAPS 1&2 Injection	7.817	177.527
2) WPCL	8.536	233.550	7) RGPPL Injection	33.716	267.559
3) Other CPP / IPP	5.554	120.865	8) Pench (Excess)	-0.483	-13.469
4) Wind Generation	7.086	67.445	# Total Cent. Sector	121.288	2453.677
5) PENCH (MS)	0.483	14.262	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.752	-245.685
1) TPCL Thermal	31.037	744.258	G) Bilateral Power *		
2) TPCL Hydro	2.733	88.511	1) MSEDCL Bilateral	36.310	773.044
TOTAL TPCL	33.770	832.769	Include PX	0.000	175.412
3) REL Thermal	12.601	313.011	2) MUMBAI Bilateral	12.022	301.382
D) STATE			Include PX	1.465	23.031
1) Thermal (A1+C1+C3)	150.844	3311.897	3) MUMBAI Schedule	12.022	302.407
2) Hydro (A2+B5+C2)	7.739	588.675	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.434	358.551	1) MSEDCL	289.455	6853.096
4) Wind (B4)	7.086	67.445	2) TPCL	36.851	927.066
5) CPP (B1+B2+B3)	42.187	881.379	3) REL	18.269	464.842
TOTAL STATE	223.290	5207.947	TOTAL STATE	344.575	8245.004

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	4440	4536	4525
MSGENCO Hydro	313	629	83
MSGENCO Gas	620	642	668
MSGENCO Total Generation	5373	5807	5276
Central Sector Receipt	5627	5682	4309
WIND	292	256	361
CPP / IPP	1795	1820	1824
Exchange with Mumbai	-527	-438	-142
MSEDCL DEMAND MET	12560	13174	11459
Load Shedding (LS)	835	194	269
MSEDCL DEMAND (INCL. LS)	13395	13368	11728
TPCL GENERATION	1659	1702	1006
REL GENERATION	526	523	525
TPCL+REL DEMAND	2712	2663	1673
STATE DEMAND MET	15272	15837	13132
Load Management (LM)	1676	2938	1410
Total Load Relief (LS+LM)	2511	3132	1679
UNRESTRICTED STATE DEMAND	17783	18969	14811
Frequency (Hz)	49.75	49.86	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.51 Hz at 16.04 Hrs	49 Hz at 18.12 Hrs	49.83	.24 % 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 25/Oct/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.22	82.27	156	37	150
Unit 6	3.85	73.54	173	144	160
Unit 7	0.00	22.85	0	0	0
Total	7.08	178.65			310
Bhusawal					
Unit 2	3.74	16.56	175	120	165
Unit 3	2.72	78.99	150	0	140
Unit 4	0.00	3.62	0	0	
Total	6.46	99.17			305
Parli					
Unit 3	3.21	77.59	152	100	135
Unit 4	2.88	26.06	158	103	110
Unit 5	2.67	72.75	123	89	105
Unit 6	0.00	80.31	0	0	0
Unit 7	4.30	23.62	211	149	140
Total	13.06	280.33			490
Chandrapur					
Unit 1	3.67	95.31	166	129	140
Unit 2	3.15	80.34	140	114	110
Unit 3	3.99	104.00	185	113	150
Unit 4	4.27	45.11	202	125	120
Unit 5	9.76	203.54	440	350	420
Unit 6	8.49	197.76	435	290	420
Unit 7	9.72	208.28	440	310	400
Total	43.04	934.35			1760
Paras					
Unit 3	3.96	77.96	190	142	160
Unit 4	4.02	55.74	197	147	160
Total	7.99	133.71			320
Khaparkheda					
Unit 1	4.30	96.18	205	155	210
Unit 2	3.99	70.39	196	130	200
Unit 3	4.53	101.78	214	165	210
Unit 4	5.23	106.38	221	214	210
Unit 5	0.00	31.95	0	0	
Total	18.05	406.68			830
Nasik					
Unit 3	4.21	79.54	195	130	162
Unit 4	3.80	68.52	170	135	144
Unit 5	3.53	73.68	178	128	144
Total	11.54	221.74			450
Uran					
All Units	15.43	358.55	675	613	630
Total	15.43	358.55			630
PENCH (MS)					
Pench (MS)	0.48	14.26	50	0	
Total	0.48	14.26			
Koyna					
Stage 1-2	1.55	142.64	315	35	600
Stage 4	0.00	216.86	0	0	250
Stage 3	0.32	77.68	202	0	320
Total	1.87	437.19			1170
Kovna 12&4 Total	1.55	359.51			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	1.40	0	0	0
VTRNA	0.00	1.27	0	0	0
TILLARI	0.48	9.81	60	0	60
BHTGR/VEER	0.05	2.17	2	2	1
BHIRA T.R.	0.18	6.96	41	0	40
RNGR+BHTSA	0.38	8.17	16	16	13
BHANDARDRA	0.00	2.23	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.48	10.34	20	20	14
GHATGHAR	1.08	6.36	250	0	
Total	2.66	48.72			128
Wind					
MalharPeth	0.71	4.05			
Vankuswadi	0.83	7.81			
ATIT	0.28	1.33			
Kale	0.28	2.59			
Satara	0.92	10.00			
Shirala	0.43	3.02			
K Mahankal	0.52	3.86			
Supa	0.20	2.00			
Vita	1.58	11.24			
Dondaicha	0.00	9.82			
Sakri	0.04	1.87			
Nandurbar	0.01	1.40			
Khandke	0.80	5.42			
Khaparale	0.50	3.03			
Total	7.09	67.44			
CPP					
JSW JAIGAD	28.10	526.96	1223	1037	1100
WARDHA	8.54	233.55	385	326	349
Other CPPs	5.55	120.86			
Total	42.19	881.38			1449
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.62	285.98	490	415	490
Trombay 6	9.09	209.73	500	160	500
Trombay 7A	2.85	65.78	125	114	120
Trombay 7B	1.57	37.47	67	64	60
Trombay 8	5.91	145.30	249	245	250
TATA Hydro	2.73	88.51	294	0	447
Total	33.77	832.77			1867
REL					
1&2	12.60	313.01	526	523	500
Total	12.60	313.01			500
Cent Sect					
Share					5457
Total					5457

MS PG CL	Thermal	107.21	2254.63			4465
	Thml+Gas	122.64	2613.18			5095
	Hydro	4.52	485.90			1298
	Total	127.16	3099.08			6393
State Total		223.29	5207.95			15666

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/Oct/2011

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	4592	83	664	5339	379	1750	5051	4106	-437	-437	11160	1833	11283	2063	15056	49.76
2	4606	78	664	5348	362	1644	4952	4437	-338	-246	11570	1647	11731	1852	15069	49.78
3	4550	83	668	5301	387	1628	4942	4294	-303	-141	11494	1587	11696	1733	14814	49.93
4	4525	83	668	5276	361	1630	4892	4309	-251	-142	11459	1679	11728	1673	14811	49.93
5	4468	78	668	5214	365	1646	4879	4354	-235	-70	11534	1682	11814	1648	14864	49.86
6	4471	78	668	5217	362	1769	4834	4496	-203	-77	11792	1848	12197	1681	15321	49.63
7	4478	78	675	5231	356	1780	4864	4667	-227	-95	11965	2232	12631	1740	15937	49.81
8	4537	78	674	5289	324	1795	4918	5082	-267	-108	12393	2588	13051	1864	16845	49.94
9	4543	141	651	5335	295	1808	4937	4793	-278	-199	12032	2745	12662	2125	16902	49.71
10	4502	138	634	5274	282	1762	5255	5259	-468	-385	12192	2490	12803	2451	17133	49.74
11	4381	296	621	5298	288	1786	5533	5833	-697	-555	12650	2391	13373	2676	17717	49.74
12	4440	313	620	5373	292	1795	5563	5627	-726	-527	12560	2511	13395	2712	17783	49.75
13	4416	243	614	5273	204	1790	5581	5563	-738	-484	12346	2540	13208	2704	17590	49.70
14	4486	203	613	5302	128	1774	5568	5550	-725	-424	12330	2505	13167	2643	17478	49.87
15	4369	288	613	5270	102	1778	5573	5794	-750	-521	12423	2310	13147	2707	17440	49.83
16	4411	338	614	5363	84	1807	5398	5530	-724	-549	12235	2232	12910	2711	17178	49.86
17	4479	153	621	5253	92	1795	5323	5596	-647	-518	12218	2376	12780	2670	17264	50.03
18	4478	138	617	5233	141	1807	5205	4977	-536	-396	11779	2689	12159	2597	17065	49.86
19	4415	551	628	5594	213	1803	5291	5523	-578	-444	12729	3117	12986	2658	18504	49.71
20	4536	629	642	5807	256	1820	5541	5682	-660	-438	13174	3132	13368	2663	18969	49.86
21	4529	204	642	5375	320	1822	5581	5682	-640	-627	12619	3099	12782	2656	18374	49.84
22	4458	88	649	5195	403	1819	5563	5392	-607	-580	12276	3079	12422	2466	17821	49.88
23	4308	88	649	5045	512	1747	5221	4516	-495	-411	11459	2951	11595	2282	16692	49.89
24	4228	73	657	4958	578	1632	5099	4226	-495	-378	11066	2515	11158	2148	15729	49.92
MUs	107.2 1	4.52	15.43	127.16	7.09	42.19	125.56	121.29	-12.02	-8.75	289.46	57.78	300.05	55.12	402.36	49.83

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 25/Oct/2011

Position as on 6.30 Hrs of 26/Oct/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect NTPC(K-4)	500	08/09/2011	14.26	25/10/2011	18.43	Annual Overhaul	
Koradi Unit 7	210	08/10/2011	23.43		Continued.	Annual overhaul.	03/11/2011
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	
Khaparkheda Unit 5	500	21/10/2011	00.40		Continued.	Furnace pressure low.	
Parli Unit 6	250	21/10/2011	21.19		Continued.	Low bunkering problem.	26/10/2011
Dabhol 1A	230	22/10/2011	17:56		Continued.	P.G. Test.	
CPP WPCL U-4	135	23/10/2011	01:42	26/10/2011	04.55	Maintenance work.	
Bhusawal Unit 3	210	25/10/2011	01.52	25/10/2011	04.47	Turbine tripped.	
Koradi Unit 5	200	25/10/2011	23.38		Continued.	ID Fan Problem	
CPP WPCL U-1	135	26/10/2011	10.26		Continued.	ID Fan Problem.	
Dabhol 3B	230	26/10/2011	23.03		Continued.	Gas shortage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Oct/2011

Position as on 6.30 Hrs of 26/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PG)-Bhadravati I	08/10/2011	19.50		Continued.	Over Voltage
Parli-Parli (PGCIL) I	19/10/2011	21.40		Continued.	Over Voltage.
Kolhapur - Mapusa - I	23/10/2011	11:57	25/10/2011	11.50	Over Voltage.
Parli (PGCIL)-Bhadravati-II	23/10/2011	21:57		Continued.	Over Voltage.
Dhule - S'Sarovar- II	24/10/2011	02:27	25/10/2011	08.36	Over Voltage.
Dhule-Sar'Sarovar - I	24/10/2011	23.33		Continued.	Over Voltage.
Parli-Solapur (PGCIL) Ckt.II	24/10/2011	23.45	25/10/2011	07.41	Over Voltage.
Kolhapur - Mapusa - II	25/10/2011	16.19		Continued.	Over Voltage
Parly(PG)- Solapur(PG) - I	25/10/2011	17.33		Continued.	Over Voltage
Parly(PG)- Solapur(PG) - II	25/10/2011	22.53	26/10/2011	05.14	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	22/10/2011	17:05		Continued.	Bus-I Bus bar protection operated due to Bursting of 400 KV Solapur (PGCIL) circuit breaker (Y-ph pole).
Voltage Level : 220KV			Outage Type TRIPPED		
Padgha - Boisar (PGCIL)	26/10/2011	14.11	26/10/2011	14.29	Tripped on Autoreclose.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT-II @ Nagothane.	19/10/2011	10.45		Continued.	H V Side Taken on TBC.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(8 MonthOutage)
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT
Wadkhal - Ndil - 2	23/10/2011	10:45		Continued.	Replacement of new CTPT metering.
Warora - RLY TSS CKT - I	25/10/2011	10.24	25/10/2011	14.40	Overhaul of Air Compressor of Breaker
Usmanabad --Bale	25/10/2011	11.50	25/10/2011	16.46	Main Bus section-II connected Jumper for New Solapur Bay
Warora - Rly TSS - II	25/10/2011	15.00	25/10/2011	18.42	Overhaul of Air Compressor of Breaker
220/132KV 100MVA ICT-I at Bambhori	25/10/2011	17.07	25/10/2011	17.08	New ICT Charged
220/132KV 100MVA ICT-II at Bambhori	25/10/2011	17.09	25/10/2011	17.10	New ICT Charged
Deepnagar - Bambhori	25/10/2011	17.14	25/10/2011	16.45	New Line Charged
Wardha-Abhijeet I	25/10/2011	20.12		Continued.	Main Brekaer Problem(Line taken on TBC)
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Supa - Shirur	23/10/2011	09:05		Continued.	Tower errection work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 315 MVA ICT-II @ Padgha	26/10/2011	09.24	26/10/2011	12.35	Hot Spot Attend.
315 MVA ICT-I @ Lonikand	26/10/2011	11.26	26/10/2011	16.17	Outage for attend Buchholz alarm.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Mahad-Nagothane	25/10/2011	10.08	25/10/2011	17.32	Hot Spot

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Oct/2011

Position as on 6.30 Hrs of 26/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Peth-Nigde	25/10/2011	10.35	25/10/2011	13.48	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	24/10/2011	06.50		Continued.	Over Voltage.
Bhusawal- Aurangabad	24/10/2011	22.37	25/10/2011	07.16	Over Voltage.
Bhusawal- Aurangabad	25/10/2011	22.00	26/10/2011	05.05	Over Voltage
Lonikand- Koyna Stage IV	25/10/2011	22.51		Continued.	Over Voltage
Bhusawal- Aurangabad	26/10/2011	08.01	26/10/2011	09.56	H/T for over voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	12/10/2011	19.56		Continued.	For System Stabiltiy.
Bale-Murud	16/10/2011	05.08	25/10/2011	16.40	To control Parli ICT loading.
Bale-Osmanbad	16/10/2011	05.08	26/10/2011	00.26	To control Parli ICT loading
Valve-Jamde	18/10/2011	17.18		Continued.	H/T due to Tower collapsed at Loc.N,40,44,45,46.
Vita - Lamboti	23/10/2011	15.40	26/10/2011	12.10	H/T for ICT overloading.
Bale-Murud	26/10/2011	05.09	26/10/2011	14.47	Load of Murud shifted to control Parli ICT loading.
Bale-Osmanbad	26/10/2011	05.09		Continued.	H/T to control Parli ICT loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 105 MVA Spare ICT at Parly II	22/08/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
400/220KV,100 MVA Spare Unit at Korady	04/10/2011	10.50		Continued.	Buchholz Alarm Recieved.
Karad-Jaigad II	26/10/2011	07.38	26/10/2011	10.03	H/T For O/v.
Voltage Level : 220KV			Outage Type TRIPPED		
Dondaicha - Jamde - I	18/10/2011	17.12		Continued.	Towers Damaged.
Dondaicha - Jamde - II.	18/10/2011	17.12		Continued.	Towers Damaged.
Dondaicha - Walve	18/10/2011	17.18		Continued.	Towers Damaged.
Dhule-Dondaicha-II	25/10/2011	03.06	25/10/2011	03.52	Distance protection R ph. to earth.
Dhule-Dondaicha-II	25/10/2011	04.25	25/10/2011	12.41	Distance protection R ph. to earth.Declared faulty.
220/132KV 100MVA ICT-I at Bambhori	25/10/2011	19.06		Continued.	Tripped on R.E.F.
220/33 KV 50 MVA T/F-II @Pandharpur	26/10/2011	15.56	26/10/2011	16.06	Tripped HV side master trip And LV side over current.
Mumwadi - Halkarni - II	26/10/2011	20.15	26/10/2011	20.40	Tripped on dist. protection zone-1.
Voltage Level : 132KV			Outage Type TRIPPED		
Eldari - Jintur	19/10/2011	15.20		Continued.	B Phase Pole of C B Flashover.
Girwali - Gangakhed	25/10/2011	17.18	25/10/2011	17.41	Distance Protection
Jalna - Jalna MIDC	26/10/2011	00.55	26/10/2011	01.45	'Y' Phase W T Jumper opened.
132 KV Bale-Mohol	26/10/2011	05.43	26/10/2011	05.55	Tripped On Dist. Prot.
132/33 KV 25 MVA T/F Velapur	26/10/2011	16.10	26/10/2011	16.20	Tripped back up prot.13.35 MW load affected.
null					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
50 MVAR Reactor of 400 KV Padgha-Bhoisor line	17/10/2011	19.47		Continued.	Oil Leakage at Padgha Reactor
Voltage Level : 132KV			Outage Type TRIPPED		
JALNA-KANHAIYYA NAGAR CKT	26/10/2011	00.55	26/10/2011	05.30	'Y' Phase W T Jumper opened.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Oct/2011

Position as on 6.30 Hrs of 26/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
132 KV Bale-MIDC	26/10/2011	21.50	26/10/2011	22.04	Tripped on distance protection 'R' phase.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/Oct/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	155
Unit 7	210	0
	620	155
Bhusawal		
Unit 2	210	170
Unit 3	210	160
Unit 4	500	0
	920	330
Parli		
Unit 3	210	150
Unit 4	210	150
Unit 5	210	130
Unit 6	250	0
Unit 7	250	200
	1130	630
Chandrapur		
Unit 1	210	160
Unit 2	210	140
Unit 3	210	180
Unit 4	210	200
Unit 5	500	325
Unit 6	500	300
Unit 7	500	315
	2340	1620
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	180
Unit 2	210	170
Unit 3	210	190
Unit 4	210	210
Unit 5	500	0
	1340	750
Nasik		
Unit 3	210	153
Unit 4	210	144
Unit 5	210	124
	630	421
Uran		
All Units	852	630
	852	630
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	128
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	1100
WARDHA	405	330
Other CPPs	0	
	1005	1430
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1867
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5584
	3455	5584

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