



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Jan/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 23/Jan/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	109.047	2675.477	1) Gujrat	6.139	129.938
2) Hydro	19.845	445.496	2) Madhya Pradesh	28.977	452.803
3) Gas	7.720	145.323	3) Chattisgarh	9.840	215.820
Total MSGENCO	136.612	3266.296	4) Maharashtra Net	78.325	1851.743
B) 1) JSW JAIGAD	19.689	451.683	(Incl. 765kV Solapur-Raichur)	0.447	-4.423
2) WPCL	5.185	99.190	5) Goa	-5.962	-129.405
3) ADANI	41.140	788.080	6) TAPS 1&2 Injection	7.611	174.984
4) Other CPP / IPP	14.853	278.348	7) RGPPL Injection	0.000	0.000
5) Wind Generation	1.789	87.787	8) Pench (Excess)	-0.207	-2.365
6) PENCH (MS)	0.207	7.113	# Total Cent. Sector	124.723	2693.518
7) SOLAR	0.551	18.565	F) Other Exchanges		
C) 1) TPCL Thermal	15.126	359.601	1) With TPCL (Excess)	-21.406	-427.204
2) TPCL Hydro	5.777	95.805	G) Bilateral Power *		
TOTAL TPCL	20.903	455.406	1) MSEDCL Bilateral	15.170	396.660
3) REL Thermal	5.826	157.369	Include PX	0.000	-18.787
D) STATE			2) MUMBAI Bilateral	17.925	360.790
1) Thermal (A1+C1+C3)	129.999	3192.447	Include PX	8.189	139.582
2) Hydro (A2+B6+C2)	25.829	548.414	3) MUMBAI Schedule	20.433	383.559
3) Gas (A3)	7.720	145.323	H) ENERGY CATERED (MUs)		
4) Wind (B5)	1.789	87.787	1) MSEDCL	323.343	7263.376
5) CPP/IPP (B1+B2+B3+B4)	80.867	870.361	2) TPCL	31.865	689.166
6) SOLAR (B7)	0.551	18.565	3) REL	16.270	350.791
TOTAL STATE	246.755	4862.897	TOTAL STATE	371.478	8303.333

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4365	4676	4599
MSGENCO Hydro	1623	1825	216
MSGENCO Gas	315	314	326
MSGENCO Total Generation	6303	6815	5141
Central Sector Receipt	6658	5006	4491
WIND	68	72	56
CPP / IPP	3420	3353	3251
SOLAR	69	17	0
Exchange with Mumbai	-1146	-976	-681
MSEDCL DEMAND MET	15372	14287	12258
Load Shedding	840	580	21
MSEDCL DEMAND	16212	14867	12279
TPCL GENERATION	1122	1139	498
R-INFRA GENERATION	261	262	196
TPCL+R-INFRA DEMAND	2529	2377	1375
STATE DEMAND MET	17901	16664	13633
STATE DEMAND	18741	17244	13654
Frequency (Hz)	50.09	49.97	50.11

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 02.57 Hrs	49.47 Hz at 07.16 Hrs	50.03	0 % 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 23/Jan/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.06	34.20	144	115	120
Unit 6	2.94	71.49	135	111	130
Unit 7	3.07	77.39	155	105	140
Total	9.07	183.08			390
Bhusawal					
Unit 2	3.24	67.78	140	130	140
Unit 3	3.38	71.91	145	135	150
Unit 4	8.39	195.66	415	0	430
Unit 5	6.06	147.48	355	0	349
Total	21.07	482.83			1069
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.06	83.22	186	160	180
Unit 5	4.02	56.03	180	146	180
Unit 6	5.46	105.54	254	185	250
Unit 7	5.10	103.38	238	180	250
Total	18.64	348.18			860
Chandrapur					
Unit 1	0.68	64.57	111	0	50
Unit 2	0.00	45.34	0	0	0
Unit 3	2.39	93.13	180	0	190
Unit 4	4.80	106.59	206	175	210
Unit 5	0.00	0.00	0	0	0
Unit 6	9.27	197.63	420	370	400
Unit 7	5.89	191.48	315	213	250
Total	23.03	698.73			1100
Paras					
Unit 3	5.81	107.28	255	198	250
Unit 4	5.50	116.32	255	195	250
Total	11.30	223.60			500
Khaparkheda					
Unit 1	1.19	82.30	175	0	177
Unit 2	3.36	31.20	185	0	0
Unit 3	4.21	90.64	185	163	172
Unit 4	4.64	92.55	201	170	200
Unit 5	0.00	162.04	0	0	0
Total	13.40	458.71			549
Nasik					
Unit 3	4.11	96.55	180	160	190
Unit 4	4.20	97.68	185	160	190
Unit 5	4.23	86.11	187	159	190
Total	12.54	280.34			570
Uran					
All Units	7.72	145.32	329	307	330
Total	7.72	145.32			330
PENCH (MS)					
Pench (MS)	0.21	7.11	40	0	
Total	0.21	7.11			
Koyna					
Stage 1-2	3.56	102.78	575	40	600
Stage 4	8.62	182.49	1122	0	250
Stage 3	2.78	60.20	320	0	320
Kovna 12&4 Total	12.18	285.26			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	14.96	345.46			1170
Hydro					
KDPH	0.45	9.78	19	18	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.32	4.83	66	0	60
BHTGR/VEER	0.06	1.62	3	2	3
BHIRA T.R.	0.00	2.54	0	0	0
RNGR+BHTSA	0.32	7.34	14	13	15
BHANDARDRA	0.00	2.02	0	0	
ELDARY	0.31	3.45	15	0	
SMLHY PTN	1.10	23.24	54	43	25
GHATGHAR	2.33	45.23	250	0	
Total	4.89	100.03			121
Wind					
MalharPeth	0.06	3.10			
Vankuswadi	0.18	5.75			
ATIT	0.00	1.32			
Kale	0.04	1.86			
Satara	0.55	21.81			
Shirala	0.04	1.79			
K Mahankal	0.00	0.91			
Supa	0.04	2.10			
Vita	0.43	8.97			
Dondaicha	0.28	25.04			
Sakri	0.02	3.27			
Nandurbar	0.03	2.08			
Khandke	0.10	6.17			
Khaparale	0.01	3.61			
Total	1.79	87.79			
CPP					
JSW JAIGAD	19.69	451.68	902	688	825
WARDHA	5.18	99.19	224	207	220
Adani	41.14	788.08	1830	1610	1851
Other CPPs	14.85	278.35			245
Total	80.87	1617.30			3141
SOLAR					
Total	0.55	18.56			
Total	0.55	18.56			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.99	231.93	505	317	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.58	48.24	119	98	120
Trombay 7B	1.55	30.87	68	62	60
Trombay 8	0.00	48.56	0	0	0
TATA Hydro	5.78	95.80	471	0	447
Total	20.90	455.41			1127
REL					
1&2	5.83	157.37	262	196	250
Total	5.83	157.37			250
Cent Sect					
Share					5000
Total					5000
MS PG CL	Thermal	109.05	2675.48		5038
	Thml+Gas	116.77	2820.80		5368
	Hydro	19.84	445.50		1291
	Total	136.61	3266.30		6659
State Total		246.76	4862.90		16177

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/Jan/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4605	130	326	5061	58	3204	0	3989	4773	-669	-805	12291	49	12340	1502	13842	50.11
2	4599	216	326	5141	56	3251	0	3684	4491	-558	-681	12258	21	12279	1375	13654	50.11
3	4600	151	326	5077	52	3338	0	3727	4618	-525	-604	12481	21	12502	1304	13806	50.19
4	4679	131	329	5139	43	3430	0	3847	4354	-525	-567	12399	21	12420	1268	13688	50.21
5	4674	131	329	5134	47	3424	0	4008	4483	-525	-579	12509	21	12530	1285	13815	50.09
6	4708	146	329	5183	52	3408	0	4409	5020	-590	-563	13100	112	13212	1406	14618	50.04
7	4655	131	329	5115	78	3444	0	4892	5951	-719	-655	13933	531	14464	1615	16079	49.85
8	4401	301	329	5031	98	3254	4	4979	6784	-777	-683	14488	891	15379	1805	17184	49.74
9	4438	1386	327	6151	107	3375	18	4802	5632	-728	-682	14641	869	15510	2070	17580	49.87
10	4301	1905	325	6531	98	3406	56	5180	5842	-961	-922	15044	668	15712	2333	18045	49.91
11	4257	2071	316	6644	116	3389	57	6146	6181	-1134	-1107	15283	722	16005	2503	18508	49.98
12	4365	1623	315	6303	68	3420	69	6230	6658	-1162	-1146	15372	840	16212	2529	18741	50.09
13	4270	1736	315	6321	63	3376	132	5682	6068	-1115	-1172	14788	1006	15794	2495	18289	50.06
14	4344	2218	307	6869	41	3348	105	5169	5554	-1012	-1119	14798	888	15686	2372	18058	50.21
15	4418	1774	308	6500	37	3353	61	5712	5811	-982	-1104	14658	683	15341	2379	17720	50.05
16	4511	1630	308	6449	43	3358	26	5715	5912	-986	-1050	14738	591	15329	2375	17704	49.97
17	4676	1825	314	6815	72	3353	17	4923	5006	-987	-976	14287	580	14867	2377	17244	49.97
18	4758	1131	319	6208	77	3429	6	4358	4009	-927	-1079	12653	694	13347	2365	15712	50.02
19	4786	429	320	5535	81	3486	0	4690	4311	-1042	-1037	12416	459	12875	2399	15274	49.90
20	4810	215	326	5351	120	3455	0	4898	4772	-1086	-1135	12603	466	13069	2417	15486	50.05
21	4861	151	325	5337	122	3322	0	4491	5021	-926	-1098	12729	246	12975	2279	15254	50.06
22	4658	144	322	5124	70	3367	0	3905	4499	-772	-924	12159	127	12286	2094	14380	50.11
23	4344	135	326	4805	84	3328	0	3891	4588	-886	-891	11914	71	11985	1895	13880	50.07
24	4329	135	324	4788	106	3349	0	3882	4385	-838	-827	11801	69	11870	1693	13563	50.08
MUs	109.05	19.84	7.72	136.61	1.79	80.87	0.55	113.21	124.72	-20.43	-21.41	323.34	10.65	333.99	48.14	382.12	50.03

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 23/Jan/2014

Position as on 6.30 Hrs of 24/Jan/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Condenser replacement work.	
REL 1	250	04/01/2014	23.38		Continued.	Annual Overhaul	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
CPP WPCL U-2	135	13/12/2013	13.17		Continued.	ID Fan problem	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Uran Unit 8	108	03/01/2014	14.06		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	14/01/2014	00.23		Continued.	Furnace Pressure High	
Chandrapur Unit 2	210	14/01/2014	12.38		Continued.	I D Fan Problem.	
Uran Unit 6	108	14/01/2014	12.45		Continued.	Gas Shortage.	
Chandrapur Unit 1	210	20/01/2014	22:32	23/01/2014	05.29	COAL MILL PROBLEM.	
Cent_Sect TARAPUR-4	540	22/01/2014	11.51		Continued.	G T Maintenance.	
Khaparkheda Unit 5	500	22/01/2014	16.45		Continued.	Withdrawn Due To BTL.	
Khaparkheda Unit 2	210	23/01/2014	05.31	23/01/2014	08.16	Flame Failure.	
Chandrapur Unit 3	210	23/01/2014	06.38	23/01/2014	15.45	Drum Level Low.	
Chandrapur Unit 1	210	23/01/2014	06.52	23/01/2014	11.14	Low Vaccum.	
Khaparkheda Unit 1	210	23/01/2014	07.15		Continued.	AVR Fault.	
Bhusawal Unit 5	500	23/01/2014	09.09	23/01/2014	11.37	Aux.Supply Failure.	
Chandrapur Unit 1	210	23/01/2014	11.46	23/01/2014	16.05	Furnace Pressure High.	
Bhusawal Unit 5	500	23/01/2014	11.46	23/01/2014	13.08	Elect.Prot.Optd.	
Bhusawal Unit 4	500	23/01/2014	21.41	24/01/2014	00.30	ID Fan Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jan/2014

Position as on 6.30 Hrs of 24/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha -Tarapur - I	23/01/2014	09.47	23/01/2014	20.08	Maint.Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Halkarni-Mahalaxmi	23/01/2014	08.45	23/01/2014	18.35	Insulator Repl.work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	21/01/2014	16.31	23/01/2014	10.06	Over Voltage.
Dabhol - NewKoyna - II	22/01/2014	00.02		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	22/01/2014	22.05	23/01/2014	06.22	Over Voltage.
Kolhapur - Mapusa - I	23/01/2014	16.31		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	23/01/2014	18.01		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	05/12/2013	19.30		Continued.	To control wardha-Yeotmal O/L
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/11KV 80 MVA STN.T/F 4B at Deepnagar	23/01/2014	10.29	23/01/2014	13.38	Taking oil samples from Bus CT and T/F CT for DGA analysis.
Main Bay BKR at Akola	23/01/2014	15.54	23/01/2014	17.46	Hot Spot at line isolator.
400/220 KV 500 MVA ICT-I @ Deepnagar	23/01/2014	17.00	24/01/2014	01.38	Check oil level in CT.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Pusad-Nanded	05/12/2013	06.03		Continued.	220KV Ghatodi S/S LILO Work.
Ghodbandar - Bhoisor (MSETCL)	07/12/2013	10.38		Continued.	MUMBAI STRENGTHENING WORK
Kandalgaon-Bhira	22/01/2014	11.20		Continued.	2 Days Outage At Bhira End & R.M Work.
Apta-Kalwa	23/01/2014	08.20	23/01/2014	17.25	Erection of new tower.
Apta - Taloja	23/01/2014	09.06		Continued.	Erection of new tower.
Chinchwad - Chakan	23/01/2014	09.28	23/01/2014	19.01	Repl.of old insulator string.
Bhigwan-Kurkum	23/01/2014	09.30	23/01/2014	16.55	Repl of faulty insulator disc.
Karad Mudsingi-II	23/01/2014	09.39	23/01/2014	17.45	Repl.of old insulator string.
Khaparkheda-Kawlewada-I	23/01/2014	09.55	23/01/2014	19.12	Repl of E/W.
Butibori-Abhijeet ckt.	23/01/2014	10.05	23/01/2014	14.13	Tan delta measurement and 220KV CT maint.
Girwali - Parbhani	23/01/2014	14.13	23/01/2014	16.31	Attending red hot.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Pedambe - Adlab	23/01/2014	09.20	23/01/2014	16.00	Hot Spot attending work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal - Deepnagar - II	03/01/2014	15.47		Continued.	For Change Over.
Talegaon PG - Aurangabad - II	09/01/2014	13.41		Continued.	over voltage
Karad-Kolhapur-II	22/01/2014	17.08	23/01/2014	07.03	Over Voltage.
Bhusawal- Aurangabad	22/01/2014	17.50	23/01/2014	06.44	Over Voltage.
Karad-Jaigad I	22/01/2014	21.32	23/01/2014	07.06	Over Voltage.
Lonikand- Koyna Stage IV	22/01/2014	21.57	23/01/2014	07.08	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jan/2014

Position as on 6.30 Hrs of 24/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
400/220 KV,500MVA ICT-II at Deepnagar.	23/01/2014	10.30	23/01/2014	13.40	In view of STN T/F 4B U/O.
Karad-Kolhapur-II	23/01/2014	16.22		Continued.	Over Voltage.
Karad-Jaigad I	23/01/2014	16.34		Continued.	Over Voltage.
Bhusawal- Aurangabad	23/01/2014	17.34		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	06/01/2014	19.47		Continued.	Paras-Chikhali line O/L
Chikhali - Jalna - I	06/01/2014	19.47		Continued.	Paras-Chikhali O/L
Babaleshwar - Ranjangaon	23/01/2014	06.08	23/01/2014	22.51	To Control BBLSR ICT Loading.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Mansar - Pench	11/01/2014	19:17		Continued.	Completion of Khaperkheda-Kanhan Outage and Withdeawal of Pench Suport.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	31/12/2013	02.29		Continued.	Over Voltage.
Chandrapur-II - Warora - I	21/01/2014	18.53		Continued.	Main Bus-I B/B Prot.Optd. Due to Y Ph.Bkr Pole Burst of 400KV Warora-I.
400/220 KV 315 MVA ICT I@ Bhusawal	23/01/2014	21.28	24/01/2014	01.38	Tripped on NDR.
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Theur - Jejuri	23/01/2014	21.35		Continued.	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/Jan/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	115
Unit 6	210	125
Unit 7	210	120
	620	360
Bhusawal		
Unit 2	210	140
Unit 3	210	150
Unit 4	500	430
Unit 5	500	301
	1420	1021
Parli		
Unit 3	210	0
Unit 4	210	155
Unit 5	210	160
Unit 6	250	185
Unit 7	250	190
	1130	690
Chandrapur		
Unit 1	210	130
Unit 2	210	0
Unit 3	210	190
Unit 4	210	210
Unit 5	500	0
Unit 6	500	400
Unit 7	500	250
	2340	1180
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	0
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
Unit 5	500	0
	1340	560
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	320
	852	320
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	18
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	0
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	25
GHATGHAR	250	0
	611	121
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	1200	823
WARDHA	405	220
Adani	1980	1851
Other CPPs	300	245
	3885	3139
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	5244
	3455	5244