



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Nov/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Nov/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.171	1535.715	1) Gujrat	18.337	173.435
2) Hydro	3.378	146.655	2) Madhya Pradesh	14.831	256.153
3) Gas	7.742	121.650	3) Chattisgarh	11.460	172.290
Total MSGENCO	127.291	1804.020	4) Maharashtra	63.083	1013.865
B) 1) JSW JAIGAD	24.943	381.174	5) Goa	-4.479	-87.093
2) WPCL	5.895	96.581	6) TAPS 1&2 Injection	3.840	52.842
3) ADANI	0.000	81.500	7) RGPPL Injection	7.097	153.339
4) Other CPP / IPP	7.977	110.010	8) Pench (Excess)	-0.212	-8.624
5) Wind Generation	3.521	44.472	# Total Cent. Sector	113.957	1726.207
6) PENCH (MS)	0.212	9.283	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.544	-146.006
1) TPCL Thermal	23.974	378.358	G) Bilateral Power *		
2) TPCL Hydro	1.798	49.336	1) MSEDCL Bilateral	31.672	661.722
TOTAL TPCL	25.772	427.694	Include PX	0.000	51.467
3) REL Thermal	12.173	175.178	2) MUMBAI Bilateral	10.497	170.935
D) STATE			Include PX	0.594	25.885
1) Thermal (A1+C1+C3)	152.318	2089.251	3) MUMBAI Schedule	10.497	171.148
2) Hydro (A2+B5+C2)	5.388	205.274	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.742	121.650	1) MSEDCL	274.252	4107.241
4) Wind (B4)	3.521	44.472	2) TPCL	31.792	502.377
5) CPP (B1+B2+B3)	38.815	587.765	3) REL	15.693	246.514
TOTAL STATE	207.784	3048.412	TOTAL STATE	321.737	4856.132

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	5074	5055	4247
MSGENCO Hydro	234	399	95
MSGENCO Gas	346	296	355
MSGENCO Total Generation	5654	5750	4697
Central Sector Receipt	5219	5254	4119
WIND	102	73	241
CPP / IPP	1636	1597	1606
Exchange with Mumbai	-343	-412	-414
MSEDCL DEMAND MET	12268	12312	10249
Load Shedding	60	57	57
MSEDCL DEMAND	12328	12369	10306
TPCL GENERATION	1231	1362	834
R-INFRA GENERATION	527	528	393
TPCL+R-INFRA DEMAND	2101	2302	1641
STATE DEMAND MET	14369	14614	11890
STATE DEMAND	14429	14671	11947
Frequency (Hz)	50.02	50.10	50.16

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.58 Hz at 14.08 Hrs	49.72 Hz at 17.53 Hrs	50.12	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 14/Nov/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.22	45.59	150	117	140
Unit 7	3.41	37.89	155	125	140
Total	6.63	83.48			280
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.97	55.12	175	155	165
Unit 4	6.14	47.53	346	0	
Unit 5	0.00	6.27	0	0	
Total	10.11	108.92			165
Parli					
Unit 3	0.00	22.53	0	0	0
Unit 4	3.06	47.59	160	0	147
Unit 5	3.78	12.39	169	146	156
Unit 6	0.00	24.39	0	0	0
Unit 7	4.66	58.71	252	136	165
Total	11.50	165.61			468
Chandrapur					
Unit 1	3.63	44.50	157	142	155
Unit 2	0.00	36.81	0	0	0
Unit 3	4.46	49.41	195	178	190
Unit 4	4.67	62.80	200	188	200
Unit 5	9.96	128.24	435	375	400
Unit 6	10.64	133.07	470	386	430
Unit 7	10.31	118.94	480	350	425
Total	43.67	573.78			1800
Paras					
Unit 3	4.25	60.81	204	152	160
Unit 4	4.17	60.81	197	149	160
Total	8.42	121.62			320
Khaparkheda					
Unit 1	3.85	52.08	180	150	146
Unit 2	3.92	51.44	180	149	162
Unit 3	4.15	55.74	209	145	170
Unit 4	4.15	55.54	188	160	166
Unit 5	7.12	98.95	336	247	260
Total	23.19	313.74			904
Nasik					
Unit 3	4.35	58.57	195	170	190
Unit 4	4.03	57.71	181	147	190
Unit 5	4.26	52.29	189	160	190
Total	12.64	168.58			570
Uran					
All Units	7.74	121.65	355	259	340
Total	7.74	121.65			340
PENCH (MS)					
Pench (MS)	0.21	9.28	50	0	
Total	0.21	9.28			
Koyna					
Stage 1-2	1.12	48.76	105	40	600
Stage 4	0.00	44.24	0	0	250
Stage 3	0.32	19.83	124	0	320
Kovna 12&4 Total	1.12	93.00			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.44	112.83			1170
Hydro					
KDPH	0.47	2.65	20	19	20
VTRNA	0.00	0.00	0	0	0
TILLARI	0.29	3.86	60	0	60
BHTGR/VEER	0.07	1.29	3	2	
BHIRA T.R.	0.10	3.00	41	0	63
RNGR+BHTSA	0.00	4.97	0	0	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.38	6.53	22	13	13
GHATGHAR	0.63	11.52	125	0	
Total	1.94	33.82			171
Wind					
MalharPeth	0.15	2.35			
Vankuswadi	0.28	4.22			
ATIT	1.32	1.78			
Kale	0.03	1.17			
Satara	0.16	7.44			
Shirala	0.10	1.67			
K Mahankal	0.02	2.16			
Supa	0.05	1.34			
Vita	0.82	6.98			
Dondaicha	0.34	7.65			
Sakri	0.05	0.79			
Nandurbar	0.01	0.56			
Khandke	0.14	4.41			
Khaparale	0.05	1.92			
Total	3.52	44.47			
CPP					
JSW JAIGAD	24.94	381.17	1047	953	941
WARDHA	5.90	96.58	249	241	245
Adani		81.50			
Other CPPs	7.98	110.01			
Total	38.82	669.26			1186
Tata					
Trombay 4	0.00	0.00	0	0	
Trombay 5	9.84	152.67	506	283	500
Trombay 6	3.76	81.01	158	155	500
Trombay 7A	2.97	41.32	127	120	120
Trombay 7B	1.63	22.96	69	67	80
Trombay 8	5.77	80.40	253	195	230
TATA Hydro	1.80	49.34	260	0	317
Total	25.77	427.69			1747
REL					
1&2	12.17	175.18	529	392	500
Total	12.17	175.18			500
Cent Sect					
Share					5439
Total					5439

MS PG CL	Thermal	116.17	1535.72			4507
	Thml+Gas	123.91	1657.36			4847
	Hydro	3.38	146.66			1341
	Total	127.29	1804.02			6188
State Total		207.78	3048.41			15060

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/Nov/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	4356	75	355	4786	177	1617	4264	4256	-426	-596	10250	86	10336	1993	12329	50.05
2	4148	75	355	4578	232	1604	4075	4341	-415	-563	10192	57	10249	1819	12068	50.08
3	4241	75	355	4671	245	1606	4043	4153	-356	-489	10186	57	10243	1715	11958	50.14
4	4247	95	355	4697	241	1606	4052	4119	-340	-414	10249	57	10306	1641	11947	50.16
5	4471	80	355	4906	246	1608	4063	4167	-317	-359	10568	57	10625	1609	12234	50.01
6	4767	75	355	5197	218	1622	4249	4483	-321	-307	11240	57	11297	1702	12999	49.99
7	4903	81	355	5339	214	1638	4794	4985	-371	-316	11870	59	11929	1731	13660	50.25
8	4983	141	355	5479	167	1644	4796	4970	-373	-308	11964	58	12022	1745	13767	50.18
9	5023	82	355	5460	127	1655	4834	4713	-405	-320	11635	57	11692	1857	13549	50.13
10	5004	155	355	5514	110	1637	4910	4653	-407	-283	11631	57	11688	1988	13676	50.17
11	5036	314	355	5705	107	1631	5069	5124	-463	-337	12230	60	12290	2098	14388	50.18
12	5074	234	346	5654	102	1636	5110	5219	-464	-343	12268	60	12328	2101	14429	50.02
13	5053	92	301	5446	142	1636	5148	5326	-470	-353	12197	117	12314	2109	14423	50.13
14	4963	75	304	5342	129	1640	5149	5332	-471	-339	12104	59	12163	2049	14212	50.24
15	5000	85	303	5388	148	1632	5143	5016	-471	-336	11848	58	11906	2027	13933	50.25
16	4911	80	300	5291	128	1647	5160	5216	-467	-412	11870	58	11928	2014	13942	50.17
17	4922	85	297	5304	152	1637	5293	4853	-462	-422	11524	58	11582	1978	13560	50.20
18	4922	80	297	5299	114	1614	4892	4433	-404	-343	11128	58	11186	1984	13170	50.02
19	5035	324	297	5656	119	1612	5461	5269	-464	-369	12332	57	12389	2243	14632	50.15
20	5055	399	296	5750	73	1597	5561	5254	-557	-412	12312	57	12369	2302	14671	50.10
21	5092	346	286	5724	80	1609	4967	5004	-539	-448	11989	57	12046	2292	14338	50.08
22	5037	181	287	5505	87	1587	4954	4568	-526	-514	11258	57	11315	2245	13560	50.16
23	4991	75	264	5330	82	1602	4857	4298	-526	-459	10855	57	10912	2169	13081	50.17
24	4937	74	259	5270	86	1498	4425	4210	-484	-502	10562	57	10619	2077	12696	49.80
MUs	116.17	3.38	7.74	127.29	3.53	38.82	115.27	113.96	-10.50	-9.54	274.26	1.47	275.73	47.49	323.22	50.12

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 14/Nov/2012

Position as on 6.30 Hrs of 15/Nov/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering, Converted to C O H from 20/09/2012.	
Uran Unit A0	120	15/11/2012	23.56		Continued.	A/OH.	
FORCED OUTAGE							
Tata TATA Hydro	444	05/09/2012	03:30		Continued.	BHIRA (BPSU-150MW)Unit tripped due to stator winding fault.	31/12/2012
Dabhol 2B	230	18/09/2012	18.42		Continued.	Gas shortage.	
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
CPP WPCL U-2	135	17/10/2012	00.23		Continued.	Bottom ash problem.	
Bhusawal Unit 2	210	19/10/2012	22.22		Continued.	ID Fan Problem	
Dabhol 3B	230	26/10/2012	00.49		Continued.	Gas shortage.	
Uran Unit 7	108	26/10/2012	13.26		Continued.	Gas Shortage	
Dabhol 1X	290	02/11/2012	16.26		Continued.	Gas shortage.	
Dabhol 1A	230	02/11/2012	16.27		Continued.	Gas shortage.	
CPP WPCL U-4	135	05/11/2012	21.30		Continued.	Maintenance Work.	
Parli Unit 6	250	07/11/2012	09.57		Continued.	Flame Failure.	
CPP Adani	660	09/11/2012	19.16		Continued.	Tripped due to Tripping of 400KV Wardha-Warora-I.	
Parli Unit 3	210	11/11/2012	22.25		Continued.	Water Shortage	
Dabhol 2A	230	12/11/2012	10.00		Continued.	Generator Protection.	
Dabhol 2X	290	12/11/2012	10.00		Continued.	Generator Protection.	
Bhusawal Unit 5	500	12/11/2012	20.08		Continued.	Vibration Problem.	
Parli Unit 4	210	13/11/2012	21.28	14/11/2012	02.18	Flame failure.	
Bhusawal Unit 4	500	14/11/2012	00.26	14/11/2012	04.04	Governor system problem.	
Parli Unit 4	210	14/11/2012	02.31	14/11/2012	03.24	Drum level high.	
Uran Unit 5	108	14/11/2012	12.48		Continued.	Gas Shortage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Nov/2012

Position as on 6.30 Hrs of 15/Nov/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur-I	04/11/2012	09.53		Continued.	Mumbai Strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	09/11/2012	12.07		Continued.	Hand tripped.
765 KV Wardha - Seoni - I	14/11/2012	17.27	14/11/2012	18.48	Over Voltage.
765 KV Seoni-Wardha-II	14/11/2012	21.12	15/11/2012	7.59	Over Voltage.
Parly(PG) - Wardha (PG) - I	14/11/2012	22.18	15/11/2012	7.18	Over Voltage.
Solapur PG - Parly PG - I	14/11/2012	22.38	15/11/2012	6.37	Over Voltage.
Dhule-Sar'Sarovar - II	15/11/2012	00.50	15/11/2012	05.44	Over Voltage.
Parly(PG) - Wardha (PG) - I	15/11/2012	20.53		Continued.	H/T For O/V
Dhule-Sar'Sarovar - II	15/11/2012	23.16		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Warora - Tiroda - II	09/11/2012	19.16		Continued.	Tripped due to Warora-Wardha(PG)-I on O/V.(Isolator problem at Tiroda)
Kolhapur - Mapusa - II	13/11/2012	16.31		Continued.	Over Voltage.
Kolhapur - Mapusa - I	14/11/2012	01.47	14/11/2012	05.37	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Halkarni - Amona	13/11/2012	16.02	14/11/2012	14.11	Not taken in service due to PDR problem.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Revamping Work of ICT-1.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Kalwa - Khargar	19/10/2012	08.55		Continued.	Mumbai Strengthening work(Till 19.11.12)
Mahape - Siemens	19/10/2012	10.09		Continued.	Mumbai Strengthening work(Till 19.11.12)
Ghodbandar - Bhoisor (MSETCL)	04/11/2012	10.35		Continued.	mumbai strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
220/132 KV 100 MVA T/F - 6 @ Chinchwad	12/11/2012	11.42		Continued.	Newly Charged & Kept on Humming(In Place of 220/132KV 50 MVA) Which Was Out From 12.10.12).
Babaleshwar - Chalisgaon	14/11/2012	12.54	14/11/2012	16.40	To Attend Insulator Flashover.
Kalwa - Bapgaon	15/11/2012	20.09	15/11/2012	21.27	To attend hot spot on B-Ph CT.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Temghar-Colourchem	14/11/2012	10.40	14/11/2012	12.30	Hot Spot Attending Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz Alarm. Proposed for Repairs.
Deepnagar-Aurangabad-I	05/11/2012	17.19		Continued.	Over Voltage.
Karad - Kolhapur - I	12/11/2012	16:02	15/11/2012	9.43	H/T for O/V

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Nov/2012

Position as on 6.30 Hrs of 15/Nov/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	12/11/2012	22.11		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	13/11/2012	16.14	14/11/2012	09.54	Over Voltage.
Karad - Newkoyna - I	13/11/2012	17.02		Continued.	Over Voltage.
Padgha - Nagothane - I	13/11/2012	22.00		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	14/11/2012	16.42	15/11/2012	9.29	Over Voltage
Karad - Kolhapur - I	15/11/2012	17.33		Continued.	H/T for O/V
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Ambazari - Abhijeet	13/11/2012	12.07		Continued.	H/T to control 220 KV Wardha-Yeotmal CKT line loading.
Chandrapur - Warora	14/11/2012	16.38	14/11/2012	21.03	To Control 220KV Wardha-Yeotmal Loading.
Chandrapur - Warora	15/11/2012	09.15	15/11/2012	09.20	To control 220KV Wardha-Y'mal loading.
Khaperkheda - Wardha.	15/11/2012	18.19	15/11/2012	18.25	To control 220KV Wardha-Y'mal loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated. Declared Faulty by Genco. Sent for Repairs.
Voltage Level : 220KV			Outage Type TRIPPED		
Vita - Lamboti	13/11/2012	20.18	14/11/2012	11.07	Tripped on D/P and declared faulty.
Babaleshwar - Chalisgaon	13/11/2012	23.45	14/11/2012	08.59	Bus Bar protection operated at Chalisgaon end.(Taken on TBC)
Chalisgaon - Bhusawal- II	13/11/2012	23.45	14/11/2012	00.16	Bus Bar protection operated at Chalisgaon end.
Chalisgaon-Bhusawal	13/11/2012	23.45	14/11/2012	00.17	Bus Bar protection operated at Chalisgaon end.
Chalisgaon - Malegaon	13/11/2012	23.45	14/11/2012	00.26	Bus Bar protection operated at Chalisgaon end.
Dhule-Chalisgaon	13/11/2012	23.45	14/11/2012	00.25	Bus Bar Protection operated at Chalisgaon end.
220/132 KV,200 MVA ICT-II At Chalisgaon	13/11/2012	23.45	14/11/2012	00.17	Bus Bar Protection operated.
220/132KV 200 MVA ICT I at Chalisgaon	13/11/2012	23.45	14/11/2012	00.16	Bus Bar Protection operated.
Koradi-Butibori	14/11/2012	03.11	14/11/2012	13.25	Distance Protection Operated Z-I.
Butibori TSS - Butibori(MIDC)	14/11/2012	03.11	14/11/2012	04.26	Distance Protection Operated Z-I.
Butibori TSS - Butibori(MIDC)	14/11/2012	13.11	14/11/2012	13.25	For Taking 220KV Koradi-Butibori TSS in Service.
Uran-Kharghar-II	15/11/2012	12.39	15/11/2012	12.54	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Padegaon-Sawangi	14/11/2012	14.20	14/11/2012	17.08	Distance Protection Operated Z-I R Ph to Y Ph Fault.
Voltage Level : 100KV			Outage Type TRIPPED		
Chinchwad - Talegaon	14/11/2012	11.21	14/11/2012	11.26	Transient Tripping

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Nov/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	140
	620	270
Bhusawal		
Unit 2	210	0
Unit 3	210	165
Unit 4	500	0
Unit 5	500	0
	1420	165
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	160
Unit 6	250	0
Unit 7	250	160
	1130	470
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	200
Unit 4	210	200
Unit 5	500	425
Unit 6	500	450
Unit 7	500	425
	2340	1860
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
Unit 5	500	300
	1340	940
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	290
	852	290
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	20
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	41
RNGR+BHTSA	20	5
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	6
GHATGHAR	250	0
	611	132
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	1091
WARDHA	405	245
Adani	660	
Other CPPs	0	
	1665	1336
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	317
	2024	1747
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4979
	3455	4979