



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Apr/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Apr/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.691	1606.971	1) Gujrat	12.883	201.977
2) Hydro	5.911	132.182	2) Madhya Pradesh	22.317	279.138
3) Gas	14.126	164.289	3) Chattisgarh	8.830	111.300
Total MSGENCO	131.728	1903.442	4) Maharashtra	67.535	928.199
B) 1) JSW JAIGAD	26.010	340.684	5) Goa	-5.589	-84.721
2) WPCL	7.444	101.614	6) TAPS 1&2 Injection	3.918	29.125
3) ADANI	14.630	149.550	7) RGPPL Injection	15.562	277.101
4) Other CPP / IPP	10.938	145.806	8) Pench (Excess)	-0.013	-3.935
5) Wind Generation	9.170	127.750	# Total Cent. Sector	125.443	1738.184
6) PENCH (MS)	0.013	3.935	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.257	-181.098
1) TPCL Thermal	20.664	359.253	G) Bilateral Power *		
2) TPCL Hydro	1.472	51.613	1) MSEDCL Bilateral	52.597	612.144
TOTAL TPCL	22.136	410.866	Include PX	13.145	107.863
3) REL Thermal	12.604	175.901	2) MUMBAI Bilateral	14.884	209.591
D) STATE			Include PX	2.674	52.697
1) Thermal (A1+C1+C3)	144.959	2142.125	3) MUMBAI Schedule	14.884	209.591
2) Hydro (A2+B5+C2)	7.396	187.730	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.126	164.289	1) MSEDCL	311.119	4329.867
4) Wind (B4)	9.170	127.750	2) TPCL	31.997	505.545
5) CPP (B1+B2+B3)	59.022	602.734	3) REL	17.001	262.261
TOTAL STATE	234.673	3224.628	TOTAL STATE	360.117	5097.673

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4625	4647	4622
MSGENCO Hydro	323	204	100
MSGENCO Gas	594	590	589
MSGENCO Total Generation	5542	5441	5311
Central Sector Receipt	6246	5527	5018
WIND	69	523	427
CPP / IPP	2456	2459	2339
Exchange with Mumbai	-694	-659	-361
MSEDCL DEMAND MET	13619	13291	12734
Load Shedding	698	179	188
MSEDCL DEMAND	14317	13470	12922
TPCL GENERATION	965	843	840
R-INFRA GENERATION	526	525	527
TPCL+R-INFRA DEMAND	2185	2027	1728
STATE DEMAND MET	15804	15318	14462
STATE DEMAND	16502	15497	14650
Frequency (Hz)	49.98	50.15	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.47 Hz at 18.02 Hrs	49.72 Hz at 19.17 Hrs	50.08	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/Apr/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	
Unit 6	4.21	52.99	185	159	170
Unit 7	3.93	57.12	185	150	152
Total	8.14	110.11			322
Bhusawal					
Unit 2	4.10	54.65	175	165	170
Unit 3	3.97	54.94	175	155	160
Unit 4	8.38	113.18	380	315	376
Unit 5	2.70	41.26	220	0	
Total	19.14	264.03			706
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	0.00	0.00			0
Chandrapur					
Unit 1	3.23	44.24	139	127	140
Unit 2	3.82	51.36	163	154	160
Unit 3	4.76	53.75	203	192	200
Unit 4	4.55	60.43	192	179	200
Unit 5	10.64	94.57	460	422	450
Unit 6	10.46	128.89	450	420	450
Unit 7	9.52	128.80	425	314	400
Total	46.98	562.04			2000
Paras					
Unit 3	5.72	82.88	257	196	250
Unit 4	0.00	72.37	0	0	0
Total	5.72	155.25			250
Khaparkheda					
Unit 1	3.48	53.14	160	130	160
Unit 2	3.58	48.64	165	102	160
Unit 3	3.47	52.81	162	121	140
Unit 4	3.65	56.24	166	134	160
Unit 5	8.30	128.17	434	260	360
Total	22.48	339.02			980
Nasik					
Unit 3	4.57	62.06	195	180	195
Unit 4	0.00	51.09	0	0	0
Unit 5	4.66	63.37	200	183	195
Total	9.23	176.52			390
Uran					
All Units	14.13	164.29	595	580	540
Total	14.13	164.29			540
PENCH (MS)					
Pench (MS)	0.01	3.94	7	0	
Total	0.01	3.94			
Koyna					
Stage 1-2	1.32	36.29	280	40	600
Stage 4	0.00	15.82	0	0	250
Stage 3	0.39	11.72	144	0	240
Kovna 12&4 Total	1.32	52.11			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.70	63.84			1090
Hydro					
KDPH	0.59	9.90	38	0	36
VTRNA	0.96	13.62	61	0	60
TILLARI	0.36	4.95	60	0	60
BHTGR/VEER	0.05	0.64	2	2	2
BHIRA T.R.	0.20	2.57	64	0	80
RNGR+BHTSA	0.30	4.40	13	12	13
BHANDARDRA	0.00	1.30	0	0	14
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.00	14.24	42	41	
GHATGHAR	0.75	16.72	125	0	
Total	4.21	68.34			265
Wind					
MalharPeth	0.35	6.78			
Vankuswadi	0.59	8.46			
ATIT	0.08	2.67			
Kale	0.19	3.18			
Satara	0.20	9.00			
Shirala	0.18	4.75			
K Mahankal	1.07	9.18			
Supa	0.10	1.88			
Vita	0.51	14.46			
Dondaicha	4.07	45.58			
Sakri	0.57	5.98			
Nandurbar	0.42	5.07			
Khandke	0.34	5.87			
Khaparale	0.50	4.89			
Total	9.17	127.75			
CPP					
JSW JAIGAD	26.01	340.68	1103	980	1005
WARDHA	7.44	101.61	316	306	317
Adani	14.63	149.55	620	600	610
Other CPPs	10.94	145.81			
Total	59.02	737.65			1932
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	6.45	149.71	497	244	500
Trombay 6	3.61	61.98	151	150	500
Trombay 7A	2.97	41.08	127	121	120
Trombay 7B	1.62	22.53	68	66	60
Trombay 8	6.02	83.94	252	250	250
TATA Hydro	1.47	51.61	235	0	447
Total	22.14	410.87			1877
REL					
1&2	12.60	175.90	527	523	500
Total	12.60	175.90			500
Cent Sect					
Share					5915
Total					5915

MS PG CL	Thermal	111.69	1606.97			4648
	Thml+Gas	125.82	1771.26			5188
	Hydro	5.91	132.18			1355
	Total	131.73	1903.44			6543
State Total		234.67	3224.63			16767

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/Apr/2013

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	4484	105	589	5178	536	2423	5206	5425	-546	-573	12995	116	13111	2167	15278	49.98
2	4465	105	589	5159	600	2418	4793	5132	-472	-470	12846	130	12976	1975	14951	49.99
3	4480	100	589	5169	714	2436	4739	4965	-456	-456	12828	148	12976	1840	14816	50.13
4	4557	105	589	5251	663	2360	4779	4854	-479	-387	12741	159	12900	1756	14656	50.20
5	4622	100	589	5311	427	2339	4730	5018	-458	-361	12734	188	12922	1728	14650	50.04
6	4606	95	588	5289	314	2424	4740	5154	-493	-372	12809	386	13195	1738	14933	49.99
7	4594	105	590	5289	212	2451	4842	4891	-432	-365	12478	818	13296	1733	15029	50.04
8	4559	123	592	5274	117	2430	4836	5240	-421	-394	12667	806	13473	1760	15233	50.10
9	4626	318	591	5535	85	2428	5057	5169	-493	-466	12751	813	13564	1846	15410	50.16
10	4619	379	588	5586	89	2435	5424	5717	-634	-580	13247	551	13798	1986	15784	50.02
11	4594	390	583	5567	70	2453	5683	6248	-722	-689	13649	543	14192	2119	16311	50.03
12	4625	323	594	5542	69	2456	5753	6246	-734	-694	13619	698	14317	2185	16502	49.98
13	4662	200	593	5455	48	2459	5715	6101	-697	-717	13346	802	14148	2224	16372	49.97
14	4671	199	595	5465	112	2459	5512	5730	-684	-685	13081	621	13702	2162	15864	50.07
15	4603	194	590	5387	251	2458	5710	6013	-703	-680	13429	450	13879	2121	16000	50.08
16	4612	194	593	5399	391	2450	5825	6184	-709	-674	13750	313	14063	2049	16112	50.13
17	4647	204	590	5441	523	2459	5452	5527	-709	-659	13291	179	13470	2027	15497	50.15
18	4749	296	589	5634	554	2474	4302	3969	-489	-569	12062	141	12203	2039	14242	50.26
19	4816	524	590	5930	616	2503	4301	3349	-477	-622	11776	112	11888	2068	13956	50.17
20	4803	593	585	5981	609	2555	4806	4715	-756	-784	13076	92	13168	2267	15435	50.05
21	4828	446	585	5859	619	2541	4695	4829	-798	-790	13058	74	13132	2315	15447	50.11
22	4817	199	582	5598	557	2529	4727	4753	-821	-857	12580	71	12651	2312	14963	50.16
23	4843	209	583	5635	502	2544	4650	5240	-860	-752	13169	67	13236	2305	15541	50.05
24	4798	405	580	5783	492	2538	4399	4973	-839	-661	13125	67	13192	2275	15467	50.10
MUs	111.68	5.91	14.13	131.72	9.17	59.02	120.68	125.44	-14.88	-14.26	311.11	8.34	319.45	49.00	368.45	50.08

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/Apr/2013

Position as on 6.30 Hrs of 15/Apr/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 5	200	16/09/2012	04.23		Continued.	C.O.H.,Generator Stator Replacement.	13/04/2013
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
Cent_Sect Tarapur 2	80	31/12/2012	17.05		Continued.	Refuelling work	
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage/AOH from 06.03.2013	
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Parli Unit 7	250	17/02/2013	01.00		Continued.	Water Shortage.	
Cent_Sect TARAPUR-3	540	30/03/2013	22.30		Continued.	AOH.	
FORCED OUTAGE							
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
CPP Adani U1	660	31/01/2013	17:05		Continued.	No Schedule.	
CPP WPCL U-4	135	04/02/2013	19.16		Continued.	ID fan vibration problem.	
Dabhol 2A	230	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 2X	290	06/02/2013	21.32		Continued.	Gas Shortage	
Bhusawal Unit 5	500	10/04/2013	11.17	14/04/2013	03.03	Air heater problem.	
Nasik Unit 4	210	13/04/2013	00.05	15/04/2013	05.00	Boiler Tube Leakage.	
Dabhol 1B	230	13/04/2013	01.22		Continued.	Gas Shortage.	
Paras Unit 4	250	13/04/2013	17.36		Continued.	Boiler Tube Leakage.	17/04/2013
Dabhol 1A	230	14/04/2013	01.22		Continued.	Gas Shortage.	
Dabhol 1X	290	14/04/2013	01.24		Continued.	Gas Shortage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Apr/2013

Position as on 6.30 Hrs of 15/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Boiser	13/04/2013	10.33		Continued.	Mumbai Stengthing Work & Now Line Tarapur-Ghodbunder.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Wardha (PG) - Warora - I	12/04/2013	20.50	14/04/2013	10.48	Attending Sparking on B Ph.L A.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	02/04/2013	18.01		Continued.	Over Voltage.
Dhule-S'Sarovar I	11/04/2013	02.09		Continued.	Over Voltage.
Kolhapur - Mapusa - I	13/04/2013	17.07	14/04/2013	13.32	Over Voltage.
Kolhapur - Mapusa - II	14/04/2013	16.41		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur - Mapusa - II	14/04/2013	13.21	14/04/2013	14.29	D/P, Y-N,Z-I.
Voltage Level : 220KV			Outage Type TRIPPED		
Tarapur-Borivali	14/04/2013	05.32	14/04/2013	05.58	Tripped.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule - Babhaleshwar - I	06/04/2013	11.26		Continued.	CB Overhauling Work(Taken on TBC).
Bay @ Koradi	13/04/2013	08.07		Continued.	Maintenance & Testing Work,Taken on TBC.
New Koyna - StageIV - I	14/04/2013	09.30	14/04/2013	19.27	Cold Washing of Insulator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalwa - Khargar	05/04/2013	10.52		Continued.	Mumbai Strengthening Work.
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	06.12		Continued.	To Attend Hot Spot.
Nasik-Raymond	13/04/2013	10.09	14/04/2013	05.10	220 KV Main Bus Outage.
220/132 KV 200 MVA ICT - II @ Raymand	13/04/2013	10.21	14/04/2013	05.19	220 KV Main Bus Outage.
220/132KV 200MVA ICT-I @ Raymond	13/04/2013	10.29	14/04/2013	05.16	220 KV Main Bus Outage.
Main Bus @ Raymand	13/04/2013	10.31	14/04/2013	05.00	220 KV Main Bus Outage.
Raymond-Washala	13/04/2013	10.31	14/04/2013	05.15	220 KV Main Bus Outage.
Nerul -Sonkhar	14/04/2013	08.27	14/04/2013	12.04	Replacement of R Ph. C T Due to Oil Leakage.
Main Bus I @ Kalwa I	14/04/2013	08.59	14/04/2013	17.36	To Connect the Jumper of 220KV Khargar-Kalwa Line & 220KV Siemens-Kalwa Lines @ Gantry Structure of 400KV Kalwa @ Proposed Bays.
Borivali(M)-Borivali(T)-5	14/04/2013	10.50	14/04/2013	18.16	GIS Roff Work in Vicinity of Line @ Tata Borivali End.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.
400/220KV 500MVA ICT-II at Warora	07/02/2013	17.57		Continued.	Handtripped
Aurangabad-Deepnagar-II	21/03/2013	11.15		Continued.	Hand Tripped

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Apr/2013

Position as on 6.30 Hrs of 15/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal - Deepnagar - I	05/04/2013	09.26		Continued.	Over Voltage.
Bhusawal- Aurangabad	13/04/2013	16.20		Continued.	Over Voltage.
Karad - Kolhapur - II	13/04/2013	16.42	14/04/2013	06.23	Over Voltage.
Karad - Kolhapur - I	14/04/2013	17.51	15/04/2013	06.44	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	12/04/2013	17.57		Continued.	To Control Over Loading of 220KV Paras-Chikhili.
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.
Warora-Tiroda-I	02/04/2013	14.05		Continued.	Over Voltage.
Chandrapur - Parli - III	13/04/2013	17.25	14/04/2013	06.42	Distance Protection.
New Koyna - Jaigad - II	14/04/2013	05.26	14/04/2013	19.30	Distance protection Zone2 B ph. to earth.
Newkoyna - Jaigad - I	14/04/2013	05.57	14/04/2013	09.54	Distance protection Zone2 B ph. to earth.
Warora - Wardha (PG) - II	14/04/2013	17.46	14/04/2013	22.52	Over Voltage, DT Received @ Warora End.
Parli - Lamboti	14/04/2013	17.59	14/04/2013	18.57	Over Voltage, DT Received @ Parli.
Voltage Level : 220KV			Outage Type TRIPPED		
Pedambe - Oni	14/04/2013	04.13	14/04/2013	04.24	Back Up Protection.
Pawas - Newali	14/04/2013	04.15	14/04/2013	04.54	D/P Z-II,Y Ph to Earth from Newali.
Pawas-Kharepatan	14/04/2013	04.15	14/04/2013	04.26	Back up Protection.
Kalwa - Borivali	14/04/2013	05.31	14/04/2013	12.04	C C Burst @ Kalwa.
Pawas-Kharepatan	14/04/2013	06.18	14/04/2013	12.30	D/P Zone-I,R Ph.Earth.
Versova-Ghodbandar	14/04/2013	14.45	14/04/2013	23.02	R Ph.WT Burst @ Versova,Causing Bus-II Bus Bar Protection.
Bus Coupler at Varsova	14/04/2013	14.45	14/04/2013	15.02	R Ph.WT Burst @ Versova,Causing Bus-II Bus Bar Protection.
Bus- II @ Versova	14/04/2013	14.45	14/04/2013	15.02	R Ph.WT Burst @ Versova,Causing Bus-II Bus Bar Protection.
Aarey-Versova	14/04/2013	14.45	14/04/2013	15.10	R Ph.WT Burst @ Versova,Causing Bus-II Bus Bar Protection.
Versova-Dhanu	14/04/2013	14.45	14/04/2013	15.06	R Ph.WT Burst @ Versova,Causing Bus-II Bus Bar Protection.
220/33 KV 100 MVA T/F - IV @ Versova	14/04/2013	14.45	14/04/2013	15.06	R Ph.WT Burst @ Versova,Causing Bus-II Bus Bar Protection.
220/33 KV 100 MVA T/F - V @ Versova	14/04/2013	14.45	14/04/2013	15.08	R Ph.WT Burst @ Versova,Causing Bus-II Bus Bar Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Durgwada-Lalkhedi	15/04/2013	03.45	15/04/2013	04.20	25 MVA R Ph.C T Burst.
Durgwada - Akola MIDC	15/04/2013	03.45	15/04/2013	03.52	25 MVA R Ph.C T Burst.
Durgowada - Daryapur	15/04/2013	03.45		Continued.	25 MVA R Ph.C T Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Apr/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	175
Unit 7	210	180
	620	355
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	350
Unit 5	500	
	1420	650
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	140
Unit 2	210	160
Unit 3	210	200
Unit 4	210	200
Unit 5	500	450
Unit 6	500	450
Unit 7	500	425
	2340	2025
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
Unit 5	500	400
	1340	1040
Nasik		
Unit 3	210	195
Unit 4	210	185
Unit 5	210	195
	630	575
Uran		
All Units	852	580
	852	580
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	36
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	14
GHATGHAR	250	0
	611	265
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	1006
WARDHA	405	328
Adani	1320	617
Other CPPs	0	
	2925	1951
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	5269
	3455	5269