



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Dec/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Dec/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.013	2412.589	1) Gujrat	-1.074	19.778
2) Hydro	10.059	199.901	2) Madhya Pradesh	7.872	232.534
3) Gas	7.654	169.102	3) Chattisgarh	5.160	118.170
Total MSGENCO	144.726	2781.592	4) Maharashtra Net	76.584	1772.068
B) 1) JSW JAIGAD	18.787	435.113	(Incl. 765kV Solapur-Raichur)	-6.057	-124.768
2) WPCL	2.561	53.365	5) Goa	-6.387	-122.672
3) ADANI	53.220	988.140	6) TAPS 1&2 Injection	3.803	86.702
4) Other CPP / IPP	18.382	449.073	7) RGPPL Injection	0.000	0.000
5) Wind Generation	7.846	147.674	8) Pench (Excess)	0.000	-1.837
6) PENCH (MS)	0.000	1.837			
7) SOLAR	1.073	19.231	# Total Cent. Sector	85.958	2104.743
C) 1) TPCL Thermal	14.397	336.020	F) Other Exchanges		
2) TPCL Hydro	2.255	72.911	1) With TPCL (Excess)	-20.137	-454.546
TOTAL TPCL	16.652	408.931	G) Bilateral Power *		
3) REL Thermal	10.495	166.602	1) MSEDCL Bilateral	17.046	514.599
D) STATE			Include PX	-7.887	-21.501
1) Thermal (A1+C1+C3)	151.905	2915.211	2) MUMBAI Bilateral	14.419	399.919
2) Hydro (A2+B6+C2)	12.314	274.649	Include PX	-1.165	44.505
3) Gas (A3)	7.654	169.102	3) MUMBAI Schedule	14.419	405.795
4) Wind (B5)	7.846	147.674	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	92.950	1925.691	1) MSEDCL	312.416	6526.222
6) SOLAR (B7)	1.073	19.231	2) TPCL	29.002	628.998
TOTAL STATE	273.742	5451.558	3) REL	18.278	400.346
			TOTAL STATE	359.696	7555.566

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5400	5865	5013
MSGENCO Hydro	1130	354	128
MSGENCO Gas	316	296	322
MSGENCO Total Generation	6846	6515	5463
Central Sector Receipt	5000	4988	1419
WIND	129	52	645
CPP / IPP	3993	4030	3479
SOLAR	148	125	0
Exchange with Mumbai	-893	-905	-450
MSEDCL DEMAND MET	15223	14805	10556
Load Shedding	60	67	55
MSEDCL DEMAND	15283	14872	10611
TPCL GENERATION	1006	854	514
R-INFRA GENERATION	522	522	386
TPCL+R-INFRA DEMAND	2421	2281	1350
STATE DEMAND MET	17644	17086	11906
STATE DEMAND	17704	17153	11961
Frequency (Hz)	49.87	49.90	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 18.02 Hrs	49.68 Hz at 16.28 Hrs	49.91	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 20/Dec/2014

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	3.90	69.08	180	149	170
Unit 7	4.12	78.68	185	153	170
Total	8.02	147.75			340
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	52.48	0	0	0
Unit 4	9.68	178.74	510	350	360
Unit 5	9.15	172.37	480	355	360
Total	18.82	403.58			720
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.62	71.39	155	143	155
Unit 6	5.35	102.79	250	210	210
Unit 7	5.23	102.00	250	207	215
Total	14.20	276.18			580
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.26	65.78	140	130	140
Unit 3	0.00	0.00	0	0	0
Unit 4	3.97	84.56	181	150	200
Unit 5	9.42	177.29	450	355	400
Unit 6	8.38	171.29	366	320	400
Unit 7	9.30	176.45	450	352	400
Total	34.32	675.38			1540
Paras					
Unit 3	4.95	97.54	237	188	200
Unit 4	4.72	95.66	217	183	200
Total	9.67	193.20			400
Khaparkheda					
Unit 1	4.00	76.68	190	150	162
Unit 2	3.80	75.65	175	145	162
Unit 3	4.69	86.84	214	179	189
Unit 4	4.71	87.71	210	183	189
Unit 5	11.08	158.37	500	400	475
Total	28.29	485.25			1177
Nasik					
Unit 3	4.68	87.44	205	180	200
Unit 4	4.48	58.93	198	171	190
Unit 5	4.53	84.88	195	181	190
Total	13.69	231.25			580
Uran					
All Units	7.65	169.10	388	296	320
Total	7.65	169.10			320
PENCH (MS)					
Pench (MS)	0.00	1.84	0	0	
Total	0.00	1.84			
Koyna					
Stage 1-2	3.62	53.76	410	40	600
Stage 4	1.64	30.29	280	0	250
Stage 3	0.75	17.96	146	0	240
Kovna 12&4 Total	5.26	84.05			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	6.02	102.01			1090
Hydro					
KDPH	0.44	11.21	19	18	36
VTRNA	0.00	15.83	0	0	0
TILLARI	0.37	6.97	63	0	64
BHTGR/VEER	0.00	0.51	0	0	0
BHIRA T.R.	0.18	3.97	80	0	64
RNGR+BHTSA	0.38	5.74	16	15	16
BHANDARDRA	0.08	5.54	4	3	4
ELDARY	0.32	4.82	14	8	14
SMLHY PTN	0.92	20.31	46	35	10
GHATGHAR	1.36	22.99	250	0	0
Total	4.04	97.89			208
Wind					
MalharPeth	0.13	3.61			
Vankuswadi	0.28	7.60			
ATIT	0.04	0.79			
Kale	0.12	2.75			
Satara	4.56	67.86			
Shirala	0.24	4.29			
K Mahankal	0.01	7.29			
Supa	0.14	1.83			
Vita	0.89	15.98			
Dondaicha	0.69	17.17			
Sakri	0.07	2.02			
Nandurbar	0.32	6.02			
Khandke	0.14	6.51			
Khaparale	0.20	3.94			
Total	7.85	147.67			
CPP					
JSW JAIGAD	18.79	435.11	821	698	740
WARDHA	2.56	53.36	111	103	113
Adani	53.22	988.14	2340	1940	2463
Other CPPs	18.38	449.07			500
Total	92.95	1925.69			3816
SOLAR					
Total	1.07	19.23			
Total	1.07	19.23			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.14	194.59	492	314	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	0.00	24.33	0	0	0
Trombay 7B	0.00	15.56	0	0	0
Trombay 8	5.25	101.53	253	198	250
TATA Hydro	2.26	72.91	269	0	447
Total	16.65	408.93			1197
REL					
1&2	10.50	166.60	524	385	500
Total	10.50	166.60			500
Cent Sect					
Share					4715
Total					4715
MS PG CL	Thermal	127.01	2412.59		5337
	Thml+Gas	134.67	2581.69		5657
	Hydro	10.06	199.90		1298
	Total	144.73	2781.59		6955
State Total		273.74	5451.56		17183

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/Dec/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	5038	133	322	5493	698	3481	0	1520	1599	-553	-668	10603	85	10688	1566	12254	50.04
2	5044	128	322	5494	765	3505	0	1431	1490	-461	-516	10738	55	10793	1418	12211	50.02
3	5013	128	322	5463	645	3479	0	1133	1419	-416	-450	10556	55	10611	1350	11961	50.01
4	5035	138	322	5495	603	3588	0	1093	1403	-375	-416	10673	55	10728	1315	12043	49.96
5	5047	133	322	5502	600	3606	0	1293	1782	-383	-409	11081	57	11138	1328	12466	49.94
6	5043	127	323	5493	538	3726	0	2583	2768	-431	-529	11996	66	12062	1432	13494	50.00
7	5057	132	323	5512	541	3690	1	3907	4101	-476	-637	13208	88	13296	1565	14861	49.91
8	5147	493	325	5965	488	3815	10	4429	4738	-514	-670	14346	88	14434	1686	16120	49.83
9	5402	516	320	6238	329	4010	61	4600	4685	-498	-604	14719	80	14799	1932	16731	49.80
10	5373	966	318	6657	204	4014	107	4703	4744	-600	-741	14985	64	15049	2234	17283	49.82
11	5400	1130	316	6846	129	3993	148	4825	5000	-730	-893	15223	60	15283	2421	17704	49.87
12	5515	1145	311	6971	106	4010	169	4761	4791	-740	-944	15103	64	15167	2450	17617	49.88
13	5761	847	308	6916	79	4018	171	4675	4817	-744	-955	15046	127	15173	2424	17597	49.85
14	5870	385	297	6552	66	4053	138	4750	4607	-738	-892	14524	72	14596	2297	16893	49.94
15	5865	354	296	6515	52	4030	125	4787	4988	-738	-905	14805	67	14872	2281	17153	49.90
16	5518	877	301	6696	77	3930	94	4777	4376	-727	-951	14222	61	14283	2256	16539	49.50
17	5345	455	302	6102	101	4075	42	4704	4601	-714	-963	13958	64	14022	2253	16275	49.82
18	5251	141	311	5703	137	4000	7	4446	4576	-697	-1174	13249	65	13314	2251	15565	49.91
19	5315	343	312	5970	229	3989	0	4608	4525	-700	-1275	13438	59	13497	2401	15898	49.91
20	5356	309	313	5978	255	3993	0	4504	4432	-603	-1284	13374	63	13437	2396	15833	49.98
21	5170	198	316	5684	251	3987	0	3642	3897	-591	-1310	12509	62	12571	2262	14833	49.99
22	5064	465	315	5844	287	4008	0	2229	2611	-642	-1126	11624	61	11685	2086	13771	49.98
23	5194	240	349	5783	299	3998	0	1968	2153	-641	-972	11261	61	11322	1902	13224	49.93
24	5190	276	388	5854	367	3952	0	1941	1855	-708	-853	11175	61	11236	1778	13014	50.05
MUs	127.01	10.06	7.65	144.73	7.85	92.95	1.07	83.31	85.96	-14.42	-20.14	312.42	1.64	314.06	47.28	361.34	49.91

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 20/Dec/2014

Position as on 6.30 Hrs of 21/Dec/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	
Koyna Unit 11	80	23/09/2014	02.30		Continued.	Stator Earth Fault	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.(60Days)	
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	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	economic shutdown	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
Parli Unit 4	210	13/10/2014	10.49		Continued.	Coal Shortage.	
CPP WPCL U-1	135	30/10/2014	00.43		Continued.	ESP Bag Filter Damaged	
CPP IPL U-2	270	30/10/2014	16.16		Continued.	Gen.Diff.Protection operated	
CPP WPCL U-4	135	01/11/2014	00.19		Continued.	Withdrawn	
Chandrapur Unit 3	210	12/11/2014	20.58		Continued.	Coal Shortage.	
Tata Trombay 6	500	21/11/2014	21.11		Continued.	Economic Shut Down	
Uran Unit 8	108	26/11/2014	00.02		Continued.	Gas Shortage	
CPP Adani U1	660	08/12/2014	14.45		Continued.	Uproting of turbine steam chest drain line	
Tata Trombay 7B	60	11/12/2014	20.39		Continued.	Mandatory Gas Path Inspection.	
Tata Trombay 7A	120	11/12/2014	21.51		Continued.	Mandatory Gas Path Inspection.	
Uran Unit 5	108	18/12/2014	00.25	20/12/2014	22.13	Gas Shortage.	
Bhusawal Unit 3	210	19/12/2014	15.39		Continued.	Boiler Tube Leakage	
CPP JSW (J) U2	300	19/12/2014	16.55		Continued.	No Schedule	
Koyna ST-IV 1	250	20/12/2014	11.00	20/12/2014	19.00	R.M.Work	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Dec/2014

Position as on 6.30 Hrs of 21/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli (PG) - Wardha (PG) - II	20/12/2014	08.33	20/12/2014	18.28	Stringing work of broken E/W
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	21/11/2014	14.51		Continued.	Mumbai Strengthening work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	18/12/2014	17.40	20/12/2014	10.54	Over Voltage.
Kolhapur - Mapusa - I	19/12/2014	16.14	20/12/2014	08.39	Over Voltage
Kolhapur-Solapur (PG) II	19/12/2014	22.04	20/12/2014	08.17	Over Voltage
Kolhapur - Mapusa - II	20/12/2014	17.16	21/12/2014	08.02	Over Voltage
Dhule-Sar'Sarovar - I	20/12/2014	19.22	21/12/2014	06.58	Over Voltage
Kolhapur - Mapusa - I	21/12/2014	17.03		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	21/12/2014	18.05		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	13/12/2014	00.00		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	19/12/2014	23.30	20/12/2014	06.59	Over Voltage
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole II Padgha	21/12/2014	01.20	21/12/2014	04.50	Hot Spot
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT-II @ Nagothane.	12/11/2014	13.02		Continued.	Shifted to TBC for BKR overloading.
400/220 KV 500 MVA ICT - I @ Warora	23/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder of B Ph CTR System.
400/220 KV 315 MVA ICT-II @ Nagothane.	20/12/2014	10.17	20/12/2014	17.00	CT Oil Leakage
400/220KV,500MVA ICT-III At Kalwa.	20/12/2014	11.30	20/12/2014	16.54	Taken on TBC For DCRM Work
765KV Koradi-III -- Tiroda - II	20/12/2014	18.29	20/12/2014	18.30	First Time Charge
400/220/33KV,500 MVA ICT-I At Kalwa	21/12/2014	08.14	21/12/2014	18.30	Work on NDR.
Kalwa-Padgha II	21/12/2014	08.53	21/12/2014	19.50	Restranging of SWG Earthwire Conversion of SSN to DSN @ Road Cross Location.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Ghodbandar	25/11/2014	10.43		Continued.	Erection & Stringing Work.
Ghodbandar - Bhoisor (MSETCL)	25/11/2014	11.36		Continued.	Erection & Stringing Work.
Chinchwad-Urse	20/12/2014	06.27	20/12/2014	16.42	Hot Spot, Taken on TBC
Lonikand - VSNL	20/12/2014	09.00	20/12/2014	19.11	Repl.of Disc Insulator
Anandnagar-Pal	20/12/2014	10.00	20/12/2014	20.20	Repl.of A/R Relay
Pawas-Kharepatan	20/12/2014	10.12	20/12/2014	15.23	Tree cutting work
Infosys - Pigasus	20/12/2014	10.24	20/12/2014	15.03	CT Oil Leakage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	17/12/2014	19.48	20/12/2014	08.40	Over Voltage.
Karad - Kolhapur - I	19/12/2014	16.06	20/12/2014	08.20	Over Voltage

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Dec/2014

Position as on 6.30 Hrs of 21/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Karad-Jaigad I	19/12/2014	16.43	20/12/2014	08.49	Over Voltage
Lonikand- Koyna Stage IV	19/12/2014	20.36	20/12/2014	06.51	Over Voltage
Karad-Kolhapur-II	20/12/2014	17.08	21/12/2014	09.05	Over Voltage
Bhusawal- Aurangabad	20/12/2014	17.50	21/12/2014	08.40	Over Voltage
Lonikand- Koyna Stage IV	20/12/2014	20.05	21/12/2014	08.00	Over Voltage
Karad-Jaigad I	20/12/2014	20.23	21/12/2014	08.00	Over Voltage
Kolhapur-Karad -I	21/12/2014	16.09		Continued.	Over Voltage.
Karad-Jaigad II	21/12/2014	16.36		Continued.	Over Voltage.
Bhusawal- Aurangabad	21/12/2014	18.05		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	21/12/2014	20.25		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Parli-Usmanabad	15/12/2014	15.17		Continued.	To Free TBC for Parly GCR Bus-II Outage.
Aurangabad - Babaleshwar	21/12/2014	06.48	21/12/2014	21.02	To Control Aurangabad ICT Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Dabhol - I	13/12/2014	03.02		Continued.	Over Voltage
Karad - Kolhapur - II	20/12/2014	00.00	20/12/2014	08.45	Over Voltage
765KV Koradi-III -- Tiroda - II	21/12/2014	01.39		Continued.	LBB Operated at Koradi-III
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
220/100 KV 200 MVA ICT II at Trombay	20/12/2014	01.46	20/12/2014	10.38	Diff.protection
Urse - Talegaon - I	20/12/2014	05.45	20/12/2014	06.56	Distance Protection
Talegaon (Ambi) - General Motor	20/12/2014	05.45	20/12/2014	06.21	Tripped
220KV Bus-I at Talegaon Ambi	20/12/2014	05.45	20/12/2014	06.18	Bus Bar Operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Dec/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	160
Unit 7	210	180
	620	340
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	426
Unit 5	500	360
	1420	786
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	152
Unit 6	250	220
Unit 7	250	195
	1130	567
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	0
Unit 4	210	200
Unit 5	500	400
Unit 6	500	400
Unit 7	500	400
	2340	1540
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	210
Unit 4	210	210
Unit 5	500	500
	1340	1280
Nasik		
Unit 3	210	200
Unit 4	210	190
Unit 5	210	190
	630	580
Uran		
All Units	852	465
	852	465
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	19
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	14
SMLHY PTN	12	4
GHATGHAR	250	0
	611	194
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	740
WARDHA	405	115
Adani	2640	2363
Other CPPs	300	500
	4545	3718
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1197
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4762
	3455	4762