



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Jan/2012

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	119.861	1547.627	1) Gujrat	5.281	54.827
2) Hydro	11.341	130.377	2) Madhya Pradesh	16.232	299.575
3) Gas	12.379	207.433	3) Chattisgarh	10.760	176.640
Total MSGENCO	143.581	1885.437	4) Maharashtra	44.798	680.500
B) OTHERS			5) Goa	-5.397	-79.004
1) JSW JAIGAD	27.029	325.941	6) TAPS 1&2 Injection	7.824	109.205
2) WPCL	9.682	109.562	7) RGPPL Injection	24.255	351.630
3) Other CPP / IPP	6.934	91.617	8) Pench (Excess)	-0.498	-5.093
4) Wind Generation	4.173	49.936	# Total Cent. Sector	103.255	1588.280
5) PENCH (MS)	0.498	6.555	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-6.677	-55.647
1) TPCL Thermal	17.161	331.003	G) Bilateral Power *		
2) TPCL Hydro	5.396	47.431	1) MSEDCL Bilateral	38.615	580.697
TOTAL TPCL	22.557	378.434	Include PX	0.000	47.403
3) REL Thermal	12.665	173.084	2) MUMBAI Bilateral	7.628	103.581
D) STATE			Include PX	-4.304	-51.398
1) Thermal (A1+C1+C3)	149.687	2051.714	3) MUMBAI Schedule	7.628	103.581
2) Hydro (A2+B5+C2)	17.235	184.363	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.379	207.433	1) MSEDCL	288.475	4001.681
4) Wind (B4)	4.173	49.936	2) TPCL	27.918	408.093
5) CPP (B1+B2+B3)	43.645	527.120	3) REL	14.017	199.088
TOTAL STATE	227.119	3020.566	TOTAL STATE	330.410	4608.862

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4750	5304	4809
MSGENCO Hydro	1177	762	114
MSGENCO Gas	450	542	551
MSGENCO Total Generation	6377	6608	5474
Central Sector Receipt	5120	4392	3386
WIND	120	48	329
CPP / IPP	1958	1936	1519
Exchange with Mumbai	-434	-520	-109
MSEDCL DEMAND MET	13188	12516	10599
Load Shedding (LS)	1266	71	75
MSEDCL DEMAND (INCL. LS)	14454	12587	10674
TPCL GENERATION	1227	1113	530
REL GENERATION	528	527	527
TPCL+REL DEMAND	2189	2160	1166
STATE DEMAND MET	15377	14676	11765
Load Management (LM)	2211	3759	1626
Total Load Relief (LS+LM)	3477	3830	1701
UNRESTRICTED STATE DEMAND	18854	18506	13466
Frequency (Hz)	49.79	49.89	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.47 Hz at 18.02 Hrs	49.3 Hz at 10.16 Hrs	49.86	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/Jan/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	22.49	0	0	0
Unit 6	0.00	30.65	0	0	0
Unit 7	4.45	56.84	205	170	175
Total	4.45	109.98			175
Bhusawal					
Unit 2	4.48	48.48	205	165	180
Unit 3	4.36	60.26	190	165	180
Unit 4		0.00	0	0	
Total	8.84	108.74			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.94	59.83	183	146	175
Unit 5	3.76	32.43	173	146	155
Unit 6	4.41	63.88	212	137	100
Unit 7	4.77	62.38	240	149	185
Total	16.88	218.52			615
Chandrapur					
Unit 1	3.71	51.17	161	142	160
Unit 2	3.76	52.10	166	144	160
Unit 3	3.42	53.48	166	113	130
Unit 4	5.13	70.87	217	212	210
Unit 5	11.38	65.65	490	465	475
Unit 6	10.74	141.95	468	420	450
Unit 7	9.84	125.35	470	215	450
Total	47.99	560.57			2035
Paras					
Unit 3	5.50	77.06	251	210	250
Unit 4	5.01	74.02	226	153	250
Total	10.51	151.08			500
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	4.52	62.27	195	180	180
Unit 3	5.26	63.12	223	218	195
Unit 4	2.85	70.27	220	0	195
Unit 5	8.40	30.21	489	221	
Total	21.03	225.86			570
Nasik					
Unit 3	5.18	69.82	220	210	210
Unit 4	4.97	68.65	210	200	210
Unit 5	0.00	34.40	0	0	0
Total	10.15	172.88			420
Uran					
All Units	12.38	207.43	568	450	550
Total	12.38	207.43			550
PENCH (MS)					
Pench (MS)	0.50	6.56	52	0	
Total	0.50	6.56			
Koyna					
Stage 1-2	3.52	29.60	505	40	600
Stage 4	0.81	8.43	208	0	250
Stage 3	1.15	9.29	160	0	320
Total	5.48	47.32			1170
Kovna 12&4 Total	4.33	38.02			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.31	7.00	20	0	0
VTRNA	0.99	13.42	61	0	61
TILLARI	0.34	5.70	60	0	60
BHTGR/VEER	0.48	6.57	20	20	20
BHIRA T.R.	0.26	2.23	75	0	80
RNGR+BHTSA	0.34	5.10	14	14	14
BHANDARDRA	0.00	0.38	0	0	0
ELDARY	0.00	1.53	0	0	0
SMLHY PTN	1.03	15.24	51	40	10
GHATGHAR	2.12	25.90	250	0	0
Total	5.86	83.06			245
Wind					
MalharPeth	0.13	2.16			
Vankuswadi	0.27	3.67			
ATIT	0.03	0.60			
Kale	0.11	1.35			
Satara	0.11	7.04			
Shirala	0.10	1.44			
K Mahankal	0.73	3.58			
Supa	0.06	1.34			
Vita	0.74	7.95			
Dondaicha	1.21	12.69			
Sakri	0.15	1.85			
Nandurbar	0.09	1.16			
Khandke	0.22	2.88			
Khaparale	0.22	2.24			
Total	4.17	49.94			
CPP					
JSW JAIGAD	27.03	325.94	1217	941	1100
WARDHA	9.68	109.56	447	330	439
Other CPPs	6.93	91.62			
Total	43.64	527.12			1539
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	97.29	0	0	0
Trombay 6	7.33	92.88	415	155	500
Trombay 7A	2.69	41.07	132	89	120
Trombay 7B	1.55	22.73	70	58	60
Trombay 8	5.60	77.04	249	173	250
TATA Hydro	5.40	47.43	427	0	447
Total	22.56	378.43			1377
REL					
1&2	12.66	173.08	530	526	500
Total	12.66	173.08			500
Cent Sect					
Share					5063
Total					5063

MS PG CL	Thermal	119.86	1547.63			4675
	Thml+Gas	132.24	1755.06			5225
	Hydro	11.34	130.38			1415
	Total	143.58	1885.44			6640
State Total		227.12	3020.57			15119

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/Jan/2012

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	4731	119	551	5401	223	1554	4209	3745	-172	-195	10728	2075	10846	1379	14182	49.84
2	4722	114	551	5387	303	1526	4076	3552	-156	-164	10604	1994	10677	1245	13843	49.99
3	4809	114	551	5474	329	1519	4064	3386	-157	-109	10599	1701	10674	1166	13466	49.98
4	4863	119	559	5541	401	1523	4070	3395	-163	-87	10773	1870	10848	1146	13789	50.02
5	4858	124	565	5547	402	1550	4087	3503	-161	-77	10925	1898	11000	1141	13964	50.02
6	4875	119	562	5556	408	1792	4445	3835	-67	-33	11558	2002	11648	1253	14813	49.88
7	4761	139	563	5463	379	1897	4368	4212	-45	-19	11932	2530	12347	1388	15850	49.65
8	4826	315	566	5707	362	1943	4392	4660	-130	-94	12600	3106	13423	1526	17232	49.67
9	5001	671	568	6240	280	1952	4453	4458	-199	-168	12787	3339	13740	1747	17873	49.70
10	5006	952	559	6517	265	1957	4765	4462	-429	-331	12895	3265	13857	2011	18171	49.63
11	4913	1078	539	6530	262	1964	4861	4837	-513	-419	13199	3418	14398	2171	18788	49.69
12	4750	1177	450	6377	120	1958	4860	5120	-508	-434	13188	3477	14454	2189	18854	49.79
13	4811	1147	450	6408	55	1966	4830	5249	-492	-374	13356	3499	14645	2138	18993	49.79
14	4904	854	451	6209	37	1964	4759	5051	-414	-286	13027	3389	14256	1981	18397	49.99
15	4980	822	450	6252	20	1944	4726	5108	-393	-277	13072	3088	14115	1971	18131	49.92
16	4960	804	459	6223	21	1960	4652	5014	-404	-312	12929	3042	13975	1978	17949	49.75
17	5132	389	463	5984	17	1958	4657	4381	-409	-309	12033	3394	13005	1964	17391	49.96
18	5194	228	500	5922	34	1933	4662	4403	-414	-317	11993	3588	12642	1934	17515	49.99
19	5290	297	536	6123	42	1966	4878	4437	-512	-509	12109	3988	12393	2106	18203	49.89
20	5304	762	542	6608	48	1936	5079	4392	-560	-520	12516	3830	12587	2160	18506	49.89
21	5339	410	483	6232	61	1785	4982	4407	-456	-481	12056	3819	12115	2087	17962	49.81
22	5253	199	488	5940	43	1753	4599	4046	-316	-417	11390	3815	11445	1943	17148	49.86
23	5271	194	486	5951	34	1707	4519	3768	-343	-362	11101	3291	11156	1753	16145	49.87
24	5308	194	487	5989	28	1638	4292	3834	-215	-383	11106	2817	11161	1522	15445	49.95
MUs	119.86	11.34	12.38	143.58	4.17	43.64	109.28	103.26	-7.63	-6.68	288.48	72.24	301.41	41.90	402.61	49.86

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/Jan/2012

Position as on 6.30 Hrs of 15/Jan/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	12/11/2011	21.25		Continued.	Annual Overhaul.	22/01/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	18/01/2012
Cent_Sect NTPC (K-2)	210	20/12/2011	13.45		Continued.	Annual Overhaul.	18/01/2012
Khaparkheda Unit 1	210	31/12/2011	02.37		Continued.	Annual Overhaul	10/02/2012
Koyna ST - IV 3	250	07/01/2012	15.45		Continued.	Spherical Oil Tank Level Increased.	22/01/2012
Tata Trombay 5	500	11/01/2012	00.19		Continued.	Annual overhaul.	14/02/2012
Koyna Unit 2	75	15/01/2012	08.20	15/01/2012	15.05	Preventative Maint.Work.	
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	29/02/2012
Dabhol 3B	230	12/12/2011	23.46		Continued.	Gas shortage.	
Dabhol 3A	230	13/12/2011	16.09		Continued.	Gas Shortage	
Dabhol 3X	290	13/12/2011	16.09		Continued.	Gas Shortage	
Cent_Sect NTPC(K-3)	210	28/12/2011	14.00		Continued.	CW Pump Problem	
Nasik Unit 5	210	09/01/2012	07.30	15/01/2012	04.10	Boiler Tube Leakage.	
Koradi Unit 5	200	11/01/2012	00.12		Continued.	W/Dn,by Mahagenco.	
Koradi Unit 6	210	11/01/2012	00.20		Continued.	W/Dn,by Mahagenco.	
Khaparkheda Unit 4	210	14/01/2012	07.05	14/01/2012	15.24	Furnace Pressure draught.	
Uran Unit 8	108	14/01/2012	11.12	14/01/2012	17.40	Air intake filter replacement.	
Bhusawal Unit 2	210	15/01/2012	18.42		Continued.	Boiler Tube Leakage.	18/01/2012

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

Position as on 6.30 Hrs of 15/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha - Talegaon (PG)	15/01/2012	07.55	15/01/2012	16.38	Line Maintenance Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur	29/12/2011	07:54		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temporary reconfigured as Tarapur-Boisar ckt-II
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-S'Sarovar I	10/01/2012	21.50	15/01/2012	09.10	Over Voltage.
Parly(PG) - Wardha (PG) - I	11/01/2012	18.16		Continued.	Over Voltage.
Parli (PG)-Bhadravati I	11/01/2012	21.56		Continued.	Over Voltage.
Kolhapur - Mapusa - I	13/01/2012	18.08	14/01/2012	09.50	Over Voltage.
Wardha - Akola - II	13/01/2012	20.05		Continued.	Over Voltage.
Parly(PG)- Solapur(PG) - I	13/01/2012	21.42		Continued.	Over Voltage.
Akola - Aurangabad - I	13/01/2012	22.09	14/01/2012	08.15	Over Voltage.
Kolhapur - Mapusa - II	14/01/2012	16:10		Continued.	H/T for Overvoltage.
Dhule-S'Sarovar I	15/01/2012	22.00		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-S'Sarovar I	15/01/2012	12.56	15/01/2012	14.00	Dist.Prot.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 105 MVA Spare ICT at Parly II	22/04/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
400/220KV,200MVA Spare ICT at Kalwa.	15/12/2011	14.59		Continued.	For Replacement of Y Ph. C T of ICT-I by 400KV C T of Spare ICT.up to 18.01.2012
Dhule - Babhaleshwar - I	14/01/2012	10.28	15/01/2012	05.25	Line maintenance work.(From 17.59 Hrs ready for charging)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT-I @ Girawali	24/11/2011	10.46		Continued.	Augmentation of ICT BY 200 MVA ICT.
Kalwa-Trombay	30/11/2011	09.20		Continued.	Replacement of Breaker (Taken on TBC upto 16.01.2012).
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA (Up to 29/2/12)
Boiser - Borivali	29/12/2011	08.40		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temporary reconfigured as Tarapur-Boisar ckt-II
Parli-Usmanabad	12/01/2012	11.28	14/01/2012	20.44	Replacement of CT(upto14/1/2012)
Main Bus-I at Koradi.	12/01/2012	11.54		Continued.	Replacement of 29A Isolator
220/132KV 100 MVA ICT @ Yavatmal	13/01/2012	09.35		Continued.	Replacement of 220 & 132 KV C T.
220 KV Bus Coupler @ C'PUR	14/01/2012	09.04	14/01/2012	15.50	Measurement of tan delta of CT and Relay testing.
Trombay - Tifil	14/01/2012	09.06	14/01/2012	21.00	Installation of distance relay.
Karad-Wathar	14/01/2012	09.25	14/01/2012	17.25	Replacement of insulator.
220/132KV 200MVA ICT-I @ Raymond	14/01/2012	10.08	14/01/2012	16.10	LV C.B.Overhauling.
Karad - Ogalewadi - II	14/01/2012	10.35	14/01/2012	13.46	T-Jump connection of bus isolator.

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

Position as on 6.30 Hrs of 15/Jan/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Babaleshwar - Babaleshwar - I	14/01/2012	10.45	14/01/2012	14.40	Q.M.Work
220/132 KV 150 MVA T/F-I @ Boiser	14/01/2012	12.05	14/01/2012	18.45	Q.M.Work
Chinchwad-Theur	14/01/2012	13.30	14/01/2012	18.35	Aux.R-Ph clamp shifting.
Karad-Oglewadi-I	14/01/2012	13.57	14/01/2012	18.11	T-Jump connection of bus isolator.
Chandrapur-Wani	15/01/2012	08.02		Continued.	Dismantling of Existing Towers No.33 & 44 of 220KV Chandrapur-Warora,Erection of Tower @ Loc No.25,26,Stringing Bet.Existing Tower No.45 to New Loc No.25,26.
Chandrapur-Warora	15/01/2012	08.12		Continued.	Dismantling of Existing Towers No.33 & 44 of 220KV Chandrapur-Warora,Erection of Tower @ Loc No.25,26,Stringing Bet.Existing Tower No.45 to New Loc No.25,26.
220/100KV,200MVA ICT-I at Borivali.	15/01/2012	23.15		Continued.	Bus Outage @ Birivali.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Chalisgaon - Manmad	14/01/2012	11.40	14/01/2012	16.27	Measurement of contact ressitances.measurement of breaker
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthening.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogran pressure fire alarm received.
400/220KV 500MVA ICT-III at Dhule	07/01/2012	20.04		Continued.	Due to MCCB of Diff. Relay Burnt.
Bhusawal- Aurangabad	12/01/2012	17.11	15/01/2012	09.50	Over Voltage
Karad - Kolhapur - I	13/01/2012	16.34	14/01/2012	09.55	Over Voltage.
Karad-Kolhapur-II	14/01/2012	18.07		Continued.	Over Voltage.
Bhusawal- Aurangabad	15/01/2012	16.59		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	24/12/2011	17.58		Continued.	To control Wardha-Warora,Hinganghat -Warora.L/L.
Voltage Level : 400KV			Outage Type TRIPPED		
Kalwa - Lonikand	15/01/2012	04.25	15/01/2012	07.47	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip,Diff.Prot.operated,PRV tripped(Failed).
Aurangabad - Bhenda	15/01/2012	13.09	15/01/2012	13.30	Distance Protection Operated Z-I.
Aarey-Borivali-II	15/01/2012	15.03	15/01/2012	15.22	Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Akola - Paras-II	14/01/2012	02.10	14/01/2012	02.27	Distance Protection Z-I.
Bhandara - Madgi -I	14/01/2012	20.59	14/01/2012	21.26	Distance Protection Z-I.
Kannad - Kagzipura	15/01/2012	17.03	15/01/2012	22.55	Distance Protection Operated Z-i Y Ph. to E/F.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Jan/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	190
	620	190
Bhusawal		
Unit 2	210	190
Unit 3	210	180
Unit 4	500	
	920	370
Parli		
Unit 3	210	0
Unit 4	210	155
Unit 5	210	152
Unit 6	250	165
Unit 7	250	170
	1130	642
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	165
Unit 4	210	210
Unit 5	500	475
Unit 6	500	450
Unit 7	500	460
	2340	2080
Paras		
Unit 3	250	250
Unit 4	250	225
	500	475
Khaparkheda		
Unit 1	210	0
Unit 2	210	200
Unit 3	210	210
Unit 4	210	210
Unit 5	500	
	1340	620
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	70
	630	490
Uran		
All Units	852	500
	852	500
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	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	10
BHIRA T.R.	80	75
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	20
GHATGHAR	250	0
	611	260
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	396
Other CPPs	0	
	1005	1496
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4953
	3455	4953

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