



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/May/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/May/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.129	364.771	1) Gujrat	3.292	2.864
2) Hydro	11.004	31.643	2) Madhya Pradesh	16.977	51.799
3) Gas	11.266	33.645	3) Chattisgarh	9.600	31.250
Total MSGENCO	148.399	430.059	4) Maharashtra	56.524	176.176
B) OTHERS			5) Goa	-6.525	-19.260
1) JSW JAIGAD	27.733	82.311	6) TAPS 1&2 Injection	7.718	23.273
2) WPCL	9.566	24.929	7) RGPPL Injection	23.608	73.921
3) Other CPP / IPP	9.517	29.430	8) Pench (Excess)	-0.139	-0.437
4) Wind Generation	14.159	38.410	# Total Cent. Sector	111.055	339.586
5) PENCH (MS)	0.139	0.437	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.408	-39.940
1) TPCL Thermal	29.130	78.978	G) Bilateral Power *		
2) TPCL Hydro	4.896	10.902	1) MSEDCL Bilateral	42.255	127.887
TOTAL TPCL	34.026	89.880	Include PX	0.000	0.000
3) REL Thermal	12.539	37.612	2) MUMBAI Bilateral	15.198	39.637
D) STATE			Include PX	3.332	7.650
1) Thermal (A1+C1+C3)	167.798	481.361	3) MUMBAI Schedule	15.198	39.637
2) Hydro (A2+B5+C2)	16.039	42.982	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.266	33.645	1) MSEDCL	308.160	905.222
4) Wind (B4)	14.159	38.410	2) TPCL	39.235	110.821
5) CPP (B1+B2+B3)	46.816	136.670	3) REL	19.738	56.608
TOTAL STATE	256.078	733.068	TOTAL STATE	367.133	1072.651

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	5556	5342	5097
MSGENCO Hydro	800	456	296
MSGENCO Gas	463	471	478
MSGENCO Total Generation	6819	6269	5871
Central Sector Receipt	4907	4631	4402
WIND	385	690	631
CPP / IPP	1936	2020	1867
Exchange with Mumbai	-674	-703	-285
MSEDCL DEMAND MET	13373	12907	12486
Load Shedding	827	738	254
MSEDCL DEMAND	14200	13645	12740
TPCL GENERATION	1728	1700	989
R-INFRA GENERATION	524	521	524
TPCL+R-INFRA DEMAND	2926	2924	1798
STATE DEMAND MET	16299	15831	14284
STATE DEMAND	17126	16569	14538
Frequency (Hz)	49.74	49.68	49.57

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.25 Hz at 19.02 Hrs	49.05 Hz at 22.07 Hrs	49.69	.25 % 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 03/May/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.32	10.32	151	115	140
Unit 6	3.74	6.46	169	138	160
Unit 7	4.24	11.86	190	155	180
Total	11.30	28.64			480
Bhusawal					
Unit 2	3.73	10.26	175	130	160
Unit 3	3.93	11.24	180	150	160
Unit 4	3.93	9.96	191	125	
Total	11.59	31.47			320
Parli					
Unit 3	4.46	13.87	209	163	200
Unit 4	3.64	10.39	172	109	155
Unit 5	4.20	12.52	180	163	180
Unit 6	4.02	6.61	193	150	180
Unit 7	3.42	3.42	180	0	170
Total	19.74	46.81			885
Chandrapur					
Unit 1	3.77	11.21	164	141	165
Unit 2	3.73	11.32	166	140	165
Unit 3	4.49	13.48	195	184	190
Unit 4	4.35	11.40	196	140	170
Unit 5	10.68	32.52	465	410	425
Unit 6	10.42	31.44	470	375	440
Unit 7	9.41	30.01	436	333	325
Total	46.83	141.38			1880
Paras					
Unit 3	2.66	6.74	248	0	0
Unit 4	0.00	0.59	0	0	0
Total	2.66	7.32			0
Khaparkheda					
Unit 1	4.24	12.84	185	170	180
Unit 2	4.26	12.81	195	160	180
Unit 3	4.35	13.13	185	167	180
Unit 4	4.29	13.01	184	172	180
Unit 5	5.17	17.71	274	180	200
Total	22.32	69.50			920
Nasik					
Unit 3	3.41	13.26	215	0	210
Unit 4	4.36	13.65	209	142	210
Unit 5	3.91	12.74	190	134	200
Total	11.68	39.64			620
Uran					
All Units	11.27	33.64	485	456	450
Total	11.27	33.64			450
PENCH (MS)					
Pench (MS)	0.14	0.44	24	0	
Total	0.14	0.44			
Koyna					
Stage 1-2	3.36	9.13	405	35	450
Stage 4	2.65	7.99	549	0	250
Stage 3	1.72	3.70	280	0	320
Total	7.73	20.82			1020
Kovna 12&4 Total	6.01	17.12			700

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.43	1.29	18	17	18
VTRNA	0.84	2.50	61	0	60
TILLARI	0.06	0.18	58	0	0
BHTGR/VEER	0.26	0.76	11	10	10
BHIRA T.R.	0.21	0.47	52	0	40
RNGR+BHTSA	0.28	0.84	12	11	15
BHANDARDRA	0.45	0.61	19	18	0
ELDARY	0.20	0.46	12	6	0
SMLHY PTN	0.42	1.22	24	14	17
GHATGHAR	0.13	2.51	95	0	0
Total	3.28	10.82			160
Wind					
MalharPeth	0.44	1.66			
Vankuswadi	0.87	2.66			
ATIT	0.11	0.31			
Kale	0.27	0.90			
Satara	0.26	1.54			
Shirala	0.22	0.78			
K Mahankal	1.41	2.83			
Supa	0.14	0.48			
Vita	1.36	3.37			
Dondaicha	6.65	16.75			
Sakri	0.80	2.19			
Nandurbar	0.63	1.62			
Khandke	0.38	1.77			
Khaparale	0.61	1.55			
Total	14.16	38.41			
CPP					
JSW JAIGAD	27.73	82.31	1205	1109	1085
WARDHA	9.57	24.93	426	352	370
Other CPPs	9.52	29.43			
Total	46.82	136.67			1455
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.82	31.15	512	372	500
Trombay 6	7.47	17.66	443	158	500
Trombay 7A	2.37	8.03	124	70	120
Trombay 7B	1.46	4.65	68	52	60
Trombay 8	6.00	17.48	252	248	250
TATA Hydro	4.90	10.90	443	0	447
Total	34.03	89.88			1877
REL					
1&2	12.54	37.61	525	511	500
Total	12.54	37.61			500
Cent Sect					
Share					5150
Total					5150

MS PG CL	Thermal	126.13	364.77			5105
	Thml+Gas	137.40	398.42			5555
	Hydro	11.00	31.64			1180
	Total	148.40	430.06			6735
State Total		256.08	733.07			15717

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/May/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	4938	1308	478	6724	537	1963	5008	4699	-649	-616	13330	159	13489	2247	15736	49.65
2	5037	818	478	6333	543	1940	4879	4324	-511	-394	12759	218	12977	2027	15004	49.54
3	5000	579	478	6057	597	1877	4739	4519	-443	-279	12771	218	12989	1903	14892	49.46
4	4996	388	480	5864	588	1871	4747	4477	-443	-304	12496	233	12729	1841	14570	49.57
5	5097	296	478	5871	631	1867	4763	4402	-443	-285	12486	254	12740	1798	14538	49.57
6	5090	396	484	5970	582	1891	4710	4727	-430	-272	12898	357	13255	1826	15081	49.59
7	5204	305	485	5994	534	1892	4690	4600	-416	-244	12776	746	13522	1832	15354	49.69
8	5222	362	482	6066	280	1953	4688	4576	-421	-282	12593	794	13387	1935	15322	49.79
9	5313	339	477	6129	337	1899	4643	4489	-464	-422	12432	869	13301	2242	15543	49.77
10	5390	640	469	6499	324	1905	4750	4999	-549	-520	13207	648	13855	2634	16489	49.78
11	5528	879	467	6874	316	1937	4862	4959	-718	-584	13502	681	14183	2893	17076	49.78
12	5556	800	463	6819	385	1936	5044	4907	-907	-674	13373	827	14200	2926	17126	49.74
13	5545	556	460	6561	328	1941	5023	4927	-888	-677	13080	938	14018	2933	16951	49.71
14	5498	277	463	6238	514	1943	4950	4847	-835	-642	12900	799	13699	2864	16563	49.66
15	5617	409	458	6484	459	1929	4958	5019	-856	-650	13241	633	13874	2920	16794	49.58
16	5575	508	465	6548	617	1944	4931	5007	-879	-677	13439	650	14089	2929	17018	49.62
17	5342	456	471	6269	690	2020	4916	4631	-865	-703	12907	738	13645	2924	16569	49.68
18	5239	239	456	5934	932	2006	4762	3979	-716	-757	12094	500	12594	2863	15457	49.90
19	5162	228	461	5851	960	2013	4718	3788	-548	-681	11931	368	12299	2745	15044	49.91
20	5178	233	459	5870	796	2015	4980	4470	-622	-617	12547	506	13053	2763	15816	49.91
21	5187	233	461	5881	792	2015	4998	4275	-599	-528	12458	505	12963	2619	15582	49.78
22	5166	203	462	5831	740	2025	5021	4393	-625	-504	12508	374	12882	2498	15380	49.68
23	5144	253	464	5861	839	2022	4939	4954	-669	-516	13184	144	13328	2419	15747	49.60
24	5105	299	467	5871	838	2012	4896	5085	-700	-580	13246	113	13359	2392	15751	49.65
MUs	126.13	11.00	11.27	148.40	14.16	46.82	116.62	111.05	-15.20	-12.41	308.16	12.27	320.43	58.97	379.40	49.69

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 03/May/2012

Position as on 6.30 Hrs of 04/May/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect NTPC(K-6)	500	09/04/2012	00.09	03/05/2012	19.09	Annual Overhaul.	
Cent_Sect NTPC(V-4)	210	25/04/2012	00.07		Continued.	Annual Overhaul.	
Paras Unit 4	250	01/05/2012	03.25		Continued.	Annual Overhaul.	30/05/2012
FORCED OUTAGE							
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdrawn/Cold Standby	
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Dabhol 1A	230	30/03/2012	23.29		Continued.	Gas Shortage	
Dabhol 1X	290	31/03/2012	19:43		Continued.	Maintenance work.	
Dabhol 1B	230	31/03/2012	19:45		Continued.	Maintenance work.	
Cent_Sect Kawas GT1A	106	26/04/2012	18:13		Continued.	Less requisition.	
Cent_Sect Kawas GT1B	106	26/04/2012	18:16		Continued.	Less requisition.	
Uran Unit 5	108	29/04/2012	11.20		Continued.	Gas Shortage	
Parli Unit 7	250	30/04/2012	07.49	03/05/2012	01.03	Coal Handling Problem.	
Koyna Unit 3	75	30/04/2012	11.20		Continued.	For Installation & Commissioning of Numerical Relay.	10/05/2012
Paras Unit 3	250	01/05/2012	17.03	03/05/2012	10.03	Boiler Tube Leakage.	
CPP WPCL U-3	135	02/05/2012	11.30	03/05/2012	01.05	Tripped on A.C.Supply Fail.	
Cent_Sect NTPC(V-6)	210	03/05/2012	01.58	04/05/2012	01.55	Boiler Tube Leakage.	
Nasik Unit 3	210	03/05/2012	16.05	04/05/2012	19:15	Due to fire incidence at Station Transformer.	
Khaparkheda Unit 5	500	04/05/2012	18:36	04/05/2012	21:10	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/May/2012

Position as on 6.30 Hrs of 04/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad- II	04/05/2012	10.34	04/05/2012	23.04	To sort out problem of umbalance in bus bar relay.(Ready for charging at 18:44 hrs.on Dt:04/05/2012).
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
NASIK-NAVSARI-II	03/05/2012	08.37	03/05/2012	18.16	Insulator washing.
NASIK-NAVSARI-II	04/05/2012	08.43	04/05/2012	18.05	Water washing of insulator replacement.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Pench - Kanhan	03/05/2012	11.18	03/05/2012	15.36	R.M.Work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	25/04/2012	18.11		Continued.	Over Voltage.
Kolhapur - Mapusa - I	02/05/2012	18.37	03/05/2012	09.33	Over Voltage.
Kolhapur-Mapusa-II	03/05/2012	20.48	04/05/2012	09:06	Over Voltage.
Kolhapur - Mapusa - I	04/05/2012	17.08		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati - III	29/04/2012	18.04		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari-I	03/05/2012	10.39	03/05/2012	10.45	Distance protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Line Reactor on 400 KV Parly Ckt.-III at Chandrapur	22/03/2012	11.00		Continued.	High tan delta value of bushing.
50MVAR Reactor C'Pur - Parli -I at Parli end	16/04/2012	16.50		Continued.	Filtration work
Karad-Jaigad II	02/05/2012	15.29	03/05/2012	06.30	Cold Line Insulator Washing.
Lonikand - Parli - II	03/05/2012	08.43	03/05/2012	18.49	Line reactor isolator erection, jumpering and commissioning of reactor.
Tie Breaker at Akola	03/05/2012	10.11	03/05/2012	14.24	R.M.work and Testing work.
Karad - Lonikand	03/05/2012	12.14	03/05/2012	14.20	For taking TCSR 80 MVAR reactor in service.
Aus.Bus at Koradi	04/05/2012	10:01	04/05/2012	16:10	For erection of IPS tube for new 400 kv K'Kheda bay.
Main Bus- I @ Nagothane	04/05/2012	12.53	04/05/2012	21.00	R.M.Work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA
Uran-Kharghar-II	15/02/2012	07.42		Continued.	Mumbai system strengthing work
Khargar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthing work
Kharghar-TSS	18/02/2012	08.52		Continued.	Temporary Reconfigured as Uran-TSS at 20.30Hrs Dt.18/2/12
Uran - Kharghar - I	19/02/2012	07.50		Continued.	Mumbai System Strengthening Work.
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Babaleshwar - Ranjangaon	03/05/2012	07.30	04/05/2012	00.32	Replacement of R and Y ph.CT.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/May/2012

Position as on 6.30 Hrs of 04/May/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonand - Baramati	03/05/2012	08.28	04/05/2012	19:58	Breaker replacement work.
Wadkhal-IPCL I	03/05/2012	08.52	03/05/2012	15.32	R.M.Work
220/132 KV 150 MVA ICT-II @ Nasik	03/05/2012	09.02	03/05/2012	17.00	Bay maintenance and tan delta of HV and LV CT.
Jejuri (New) - Phursungi - II	03/05/2012	09.32	03/05/2012	18.02	Maintenance work.
Uran-ONGC	03/05/2012	09.56	03/05/2012	16.55	R.M.Work
Uran - HOCL	03/05/2012	10.01	03/05/2012	17:41	Hot Spot.
Wadkhal-IPCL-II	03/05/2012	15.44	03/05/2012	17.50	R.M.Work
Inter Connector @ Kalwa	04/05/2012	08.50	04/05/2012	17.51	Replacement of 3 Nos.of C.T.
New Paras TPS-Alola-II	04/05/2012	08:24	04/05/2012	12:28	Quarterly Maintainance work.
Chalisgaon - Malegaon	04/05/2012	08:40	04/05/2012	11:14	To attend red hot on Y ph line isolator.
Padgha-Jambhul-I	04/05/2012	09:21	04/05/2012	17:19	R. M. Work.
Uran - Nerul	04/05/2012	09:37	04/05/2012	18:31	For taking 2nd trip coil in service and bay main. work.
Wathar - Mudshingi	04/05/2012	10.00	04/05/2012	18.11	Q.M.Work
220/132 KV 200 MVA ICT-II @ Boiser	04/05/2012	10.42	04/05/2012	17.34	To attend red hot spot and tan delta testing work of CT.
Uran - JNPT	04/05/2012	11.58	04/05/2012	18.02	R.M.Work
Dhule - Malegaon	04/05/2012	11:28	04/05/2012	17:57	Connecting interconnector from old 220 kv switchyard to new 220 kv switchyard bay 208.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Malkapur-Motala	03/05/2012	11:20		Continued.	Repl. of bus side isolator.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Creek side Bus at Kalwa	04/05/2012	05:55	04/05/2012	17:42	Convorsion of old bus conductor with twin bus conductor.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Aurangabad-I	11/04/2012	16.03	04/05/2012	15:54	Over Voltage.
Bhusawal- Aurangabad	03/05/2012	17.08	04/05/2012	08:10	Over Voltage.
Aurangabad-Deepnagar-II	04/05/2012	20.39		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Temghar - II	24/04/2012	17.56		Continued.	To Control Padgha ICT.
Padgha-Temghar I	02/05/2012	20.34		Continued.	To Control Load on ICT @ Padgha.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Parli - I	03/05/2012	12.37	03/05/2012	19.48	Distance protection.
Bablsr-Padgha Ckt I	04/05/2012	03.16	04/05/2012	03.35	Distance protection operated at BBLSR end.
Chandrapur - Parli - I	04/05/2012	14.32	04/05/2012	15.23	Distance protection.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT-II @ Boiser	03/05/2012	09.49	03/05/2012	17.42	Differential protection.
Khaparkheda - Kanhan - I	04/05/2012	11:59	04/05/2012	19:02	Distance Protection Operated Zone 1 R & Y ph.
Kalmeshwar-Kaparkheda	04/05/2012	22:04	04/05/2012	23:05	Distance Protection Operated Zone 1 B ph.
Voltage Level : 132KV			Outage Type TRIPPED		
Hingna I - Mankapur CKT.	04/05/2012	22:36	04/05/2012	23:14	Distance Protection operated Zone 1 R ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/May/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	155
Unit 6	210	160
Unit 7	210	165
	620	480
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	0
	920	360
Parli		
Unit 3	210	200
Unit 4	210	155
Unit 5	210	180
Unit 6	250	180
Unit 7	250	170
	1130	885
Chandrapur		
Unit 1	210	140
Unit 2	210	125
Unit 3	210	190
Unit 4	210	190
Unit 5	500	475
Unit 6	500	440
Unit 7	500	440
	2340	2000
Paras		
Unit 3	250	0
Unit 4	250	250
	500	250
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	180
Unit 4	210	180
Unit 5	500	180
	1340	900
Nasik		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	140
	630	290
Uran		
All Units	852	460
	852	460
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	455
Stage 4	1000	250
Stage 3	320	320
	1920	1025
Hydro		
KDPH	40	18
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	30
GHATGHAR	250	0
	611	270
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	1085
WARDHA	405	422
Other CPPs	0	
	1005	1507
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	5025
	3455	5025